

QCCANADA

GROUND ENGAGING TOOLS

CATALOGUE



NOVA
GROUND ENGAGING TOOLS

GROUND ENGAGING TOOLS

NOVA PRODUCTS

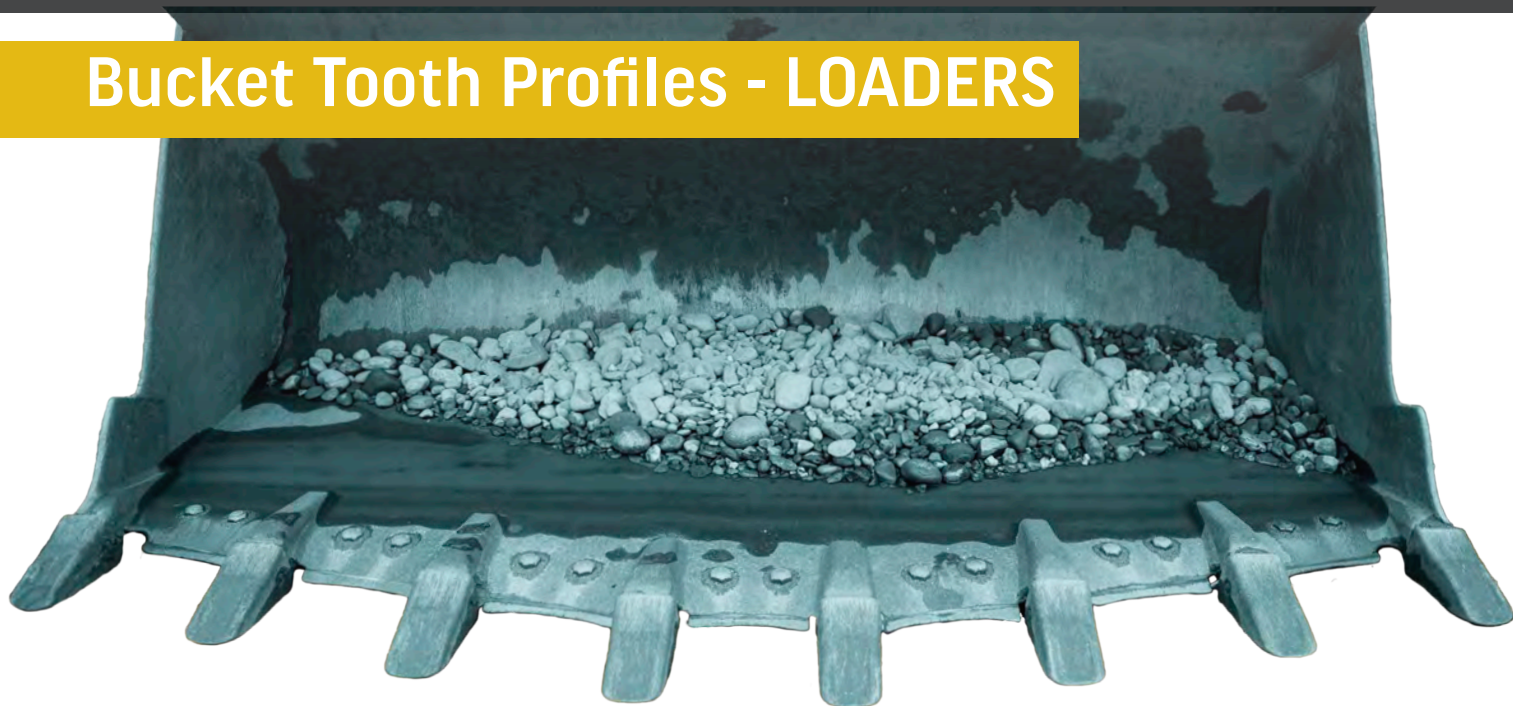
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At Nova Ground Engaging Tools it is our mission to ship you the correct product for your machine as quickly as possible.

If you do not have part numbers for the ground engaging tools you require, it is essential that you identify a few key pieces of information about the machine and the parts in demand.



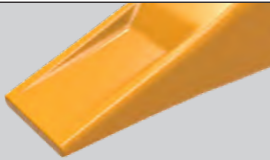
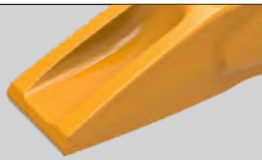
Bucket Tooth Profiles - LOADERS



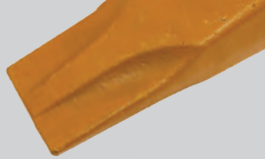
MOST
PENETRATIVE



LEAST
PENETRATIVE

PROFILE TYPE	EXAMPLE	FEATURES & BENEFITS
ROCK ABRASION		- Good penetration, wear material on underside of tooth. - Best for use on any high abrasion application.
HEAVY DUTY ROCK ABRASION		- Better penetration than rock abrasion, lots of wear material on bottom of tooth. - Stays sharp. - Works well in compacted & high abrasion material.
STANDARD LONG		- Multi-purpose, general duty tooth. - Good choice for most basic applications. - Available in all styles of teeth. - Available for all sizes of equipment.
HEAVY DUTY LONG		- Very similar to standard Long but with much more wear material throughout. - Longest wear life of all the tooth profiles.
ABRASION		- Offers similar applications as the standard long, but with a wider tip. - Extra wear panel on the bottom of the tooth. - May also be found on log grapples.
HEAVY DUTY ABRASION		- Similar to abrasion with a lot more wear material. - Heavy duty wear panels on the bottom & sides of the tooth.

Bucket Tooth Profiles - EXCAVATORS

PROFILE TYPE	PICTURE	FEATURES & BENEFITS
TIGER		-Unmatched penetration in frost, rock or hard-pan conditions. -Stays sharp. -Little wear material = shorter lifespan.
TWIN TIGER		-More penetration longer life than tiger. -Less leverage than tiger requiring more breakout force from the excavator.
PENETRATION		-Good penetrating tooth. -Stays sharp throughout life. -Average wear material. -Good for lightly packed rock shale & clay.
EXTRA		-Premium design for max penetration and lifespan. -Tip has self sharpening rib. -Reinforced box for rock and abrasive terrain.
FLAT PENETRATOR (SYL)		-Good penetration and digging action in most medium to hard pack conditions. -Vertical rib on both sides maintains sharp point w/ average amount of wear material.
ROCK CHISEL		-Best for use on rock or hard ground. -Remains sharp throughout life. -Good leverage takes pressure off machine & bucket improving performance & lifespan.
ROCK ABRASION		-Similar to rock chisel but much more wear material on underside of tooth. -Best for use on any high abrasion application.
STANDARD LONG		-Multi-purpose general duty tooth. -Good choice for most basic applications. -Available in most styles of teeth. -Available for most sizes of equipment.
FLARE		-Designed for mud or soft ground. -Works as a paddle to lift earth. -Best for clean-out/utility work.
HEAVY DUTY LONG		-Very similar to standard long but with much more wear material throughout. -Longest wear life of all the tooth profiles.

**MOST
PENETRATIVE**



**LEAST
PENETRATIVE**

Conversion & Crossover Charts

CATERPILLAR STYLE



Bucket Tooth Conversion Chart

TOOTH CATEGORY	CAT	
	J SERIES	K SERIES
1		
2	J200 1U3202	
3	J220 6Y3222	
4	J250 1U3252	
5	J300 1U3302	K80
6	J350 1U3352	K90
7	J400 7T3402	K100
8	J460 9W8452	K110
9	J550 9W8552	K130
10	J660 616602	K150
11	J700 4T4702	K170
12	J800 618802	

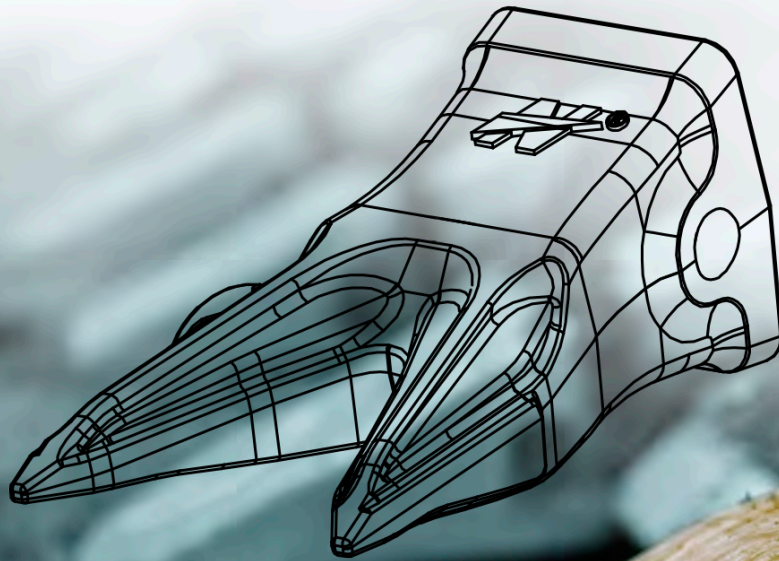
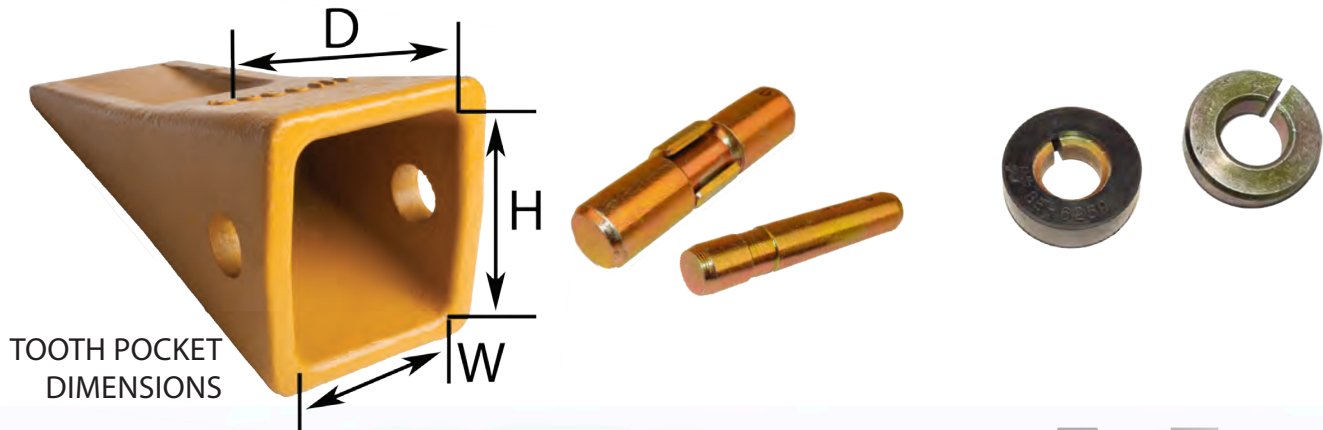
Crossover Excavator Tooth Chart

TOOTH CATEGORY		MACHINE WEIGHT RANGE (lbs)	MACHINE HP RANGE	MACHINE BOF RANGE (lbs)	CATERPILLAR
General Purpose / HD	HD / Extra HD				
1	1	1900 - 7925	8 - 29	2000 - 6475	301, 302
1	2	6675 - 9975	28 - 42	7200 - 8590	303
2	2	10200 - 11825	36 - 51	6700 - 7900	304, 416, 420, 426, 428, 436
2	3	10000 - 18200	38 - 110	8200 - 15975	305, 307, 308, 432E, 442E
3	3	18000 - 20000	54 - 65	12700 - 13000	446, E70B
3	4	18200 - 26500	54 - 102	10200 - 15975	311, 416, 420, 422, 428, 430, 434, 444
4	4	20500 - 27500	83 - 125	11300 - 17800	E120, 450E
4	5	27400 - 35900	89 - 127	17000 - 25900	205, 206, 212, 214, 312, 313, 314
5	6	36000 - 60,995	100 - 168	20750 - 36900	213B, 214, 215, 224, 315, 318, 319, 320, 322CL, 325CL, E180, E220, M315, M316, M318
6	7	44500 - 73200	136 - 205	14600 - 42500	225, 227, 229, 321, 323, 324, 325, 328, E240, EL240, M322, M325
7	8	63200 - 90500	175 - 270	37500 - 45000	320, 329, 330, 345BL
8	9	77200 - 108900	192 - 380	44500 - 59995	235, 336, 345, 350, 350L, EL300
9	10	102000 - 157900	325 - 430	59000 - 60900	245, 365
10	11	152000 - 192500	425 - 530	64100 - 81250	385
11	12	178500 - 199500	485 - 599	69900 - 85500	
12	12	200000 - 260000	600 - 775	85000 - 115500	

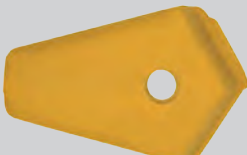
Caterpillar Style Bucket Teeth

CATERPILLAR STYLE

TOOTH STYLE	PIN HOLE LOCATION	PIN HOLE SHAPE	LOCKING SYSTEM	REMARKS
CATERPILLAR	SIDE	ROUND	2 pc STEEL PIN & RETAINER (STEEL OR SLEEVED)	RETAINER IS A LOCK WASHER RECESSED INTO ADAPTER



CATERPILLAR STYLE Bucket Adapter Profiles

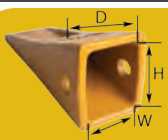
PROFILE TYPE	PICTURE	FEATURES & BENEFITS
FLUSHMOUNT		-Used exclusively on Loaders. -Sits on top of bucket lip to allow for loader to scrape clean.
1-1/2 LONG LEG TOP		-Generally meant for Loaders (used on some excavators). -The loader application is good for buckets using a wear edge or lip protector between adapters. -An angled left & right hand adapter is available in some Cat loader sizes only. -Not to be used on Cat excavators.
1-1/2 LONG LEG BOTTOM		-Used exclusively on excavators. -Wraps around the bucket lip with the longest leg on the bottom to provide support. -Notched left & right hand adapter is available in some Cat sizes only.
1-1/4 LONG LEG BOTTOM		-Used exclusively on excavators & backhoes. -Wraps around the bucket lip with the longest leg on bottom to provide support. -Available for small Caterpillar styles.
WELD-ON NOSE		-Cost effective option for replacing worn out noses or for use on log grapples. -Available in all Caterpillar styles.
2 LEG BOLT-ON		-Generally used only on Loaders. -Double leg, bolt on adapter is ideal for changing to clean up bucket easily & quickly. -May have 2 or 3 bolt holes. -Available in select Caterpillar style sizes only. -Right & left hand adapters are available for Caterpillar only.

BUCKET TOOTH & ADAPTER SPECIFICATIONS



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J200 CATERPILLAR STYLE



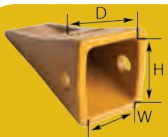
Tooth Pocket: W: 2 5/16" H: 2 5/16" D: 2 1/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 1U3202		3.20 lbs 5 3/4" 1 7/8"	
Extra 1U3202E		3.20 lbs 6 9/16" 1 1/16"	
Tiger 1U3202T		2.90 lbs 6 1/4" 1/4"	

	PINS	LOCKS
Standard	9W7112 W: 7/16" L: 2 5/16" 	8E6209 OD: 13/16" ID: 13/32"
Alternate	1U4208 W: 7/16" L: 2 5/16" 	4T0001 OD: 3/4" ID: 13/32"

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 4 		119-3205 3.30 lbs	4 1/4	3 1/8	7/8	3/8	22	8

J225 CATERPILLAR STYLE



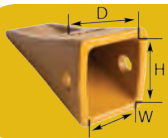
Tooth Pocket: W: 1 7/8" H: 2 3/8" D: 2 5/8"

Tooth Profile Type Part #	Applica- tion	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 6Y3222		4.60 lbs 6 1/2" 2 1/4"	
Tiger 6Y3222T		3.30 lbs 6 3/4" 1/2"	

PINS	
Standard	6Y3228 W: 9/16" L: 2 5/8"
LOCKS	
Standard	8E6259 W: 1 3/16" L: 17/32"
Alternate	3G9609 OD: 1 1/8" ID: 17/32"

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 4 		6Y3224 7.30 lbs	5 9/16	3 5/16	1 1/16	9/16	22	8

J250 CATERPILLAR STYLE



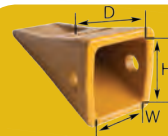
Tooth Pocket: W: 2 1/4" H: 2 3/4" D: 3 1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 1U3252		7.10 lbs 7 9/16" 3 5/16"	
Rock Chisel 1U3252RC		9.00 lbs 8 1/4" 1 3/8"	
Tiger 1U3252T		6.90 lbs 8 1/2" 1/2"	
Twin Tiger 1U3252WT		7.90 lbs 8" 3 3/8"	

PINS		
Standard	9J2258 W: 9/16" L: 3 1/8"	
Alternate	8E6258 W: 9/16" L: 3 1/8"	

LOCKS		
Standard	8E6259 OD: 1 3/16" ID: 17/32"	
Alternate	3G9609 OD: 1 1/8" ID: 17/32"	

J300 CATERPILLAR STYLE



Tooth Pocket: W: 2 11/16" H: 3 1/16" D: 3 5/8"

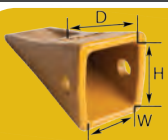
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 1U3302		10.30 lbs 8 9/16" 2 13/16"	
Extra 1U3302E		12.10 lbs 9 15/16" 1-15/16"	
Rock Chisel 1U3302RC		12.10 lbs 9 3/4" 1 1/4"	
Tiger 1U3302T		9.70 lbs 9 1/2" 7/16"	
Twin Tiger 1U3302WT		11.60 lbs 9 1/2" 4-3/16"	
HD Long 9N4302		12.30 lbs 8 11/16" 2 3/4"	
Rock Abrasion 4T2303RP		18.60 lbs 10 5/16" 1 1/2"	

PINS		
Standard	9J2308 W: 9/16" L: 3 5/8"	
Alternate	8E6308 W: 9/16" L: 3 5/8"	

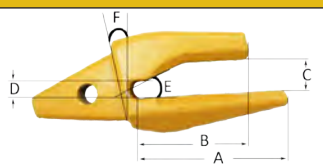
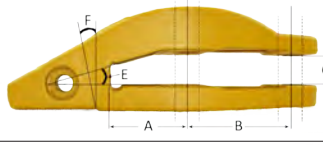
LOCKS		
Standard	8E6259 OD: 1 3/16" ID: 17/32"	
Alternate	3G9609 OD: 1 1/8" ID: 17/32"	

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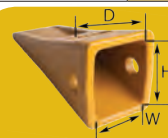
J300 CATERPILLAR STYLE



Tooth Pocket: W: 2 11/16" H: 3 1/16" D: 3 5/8"

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 4 		3G6304 18.00 lbs	8	4 9/16	1 5/16	9/16	22	8
Type 7 		1U0307 25.40 lbs	2 3/4	4 7/8	1 1/16	-	23	14

J350 CATERPILLAR STYLE



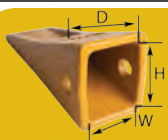
Tooth Pocket: W: 3 1/8" H: 3 1/4" D: 4 1/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 1U3352		14.30 lbs 9 9/16" 3 3/8"	
Extra 1U3352E		15.40 lbs 11 1/8" 2 3/8"	
Rock Chisel 1U3352RC		17.40 lbs 10 1/2" 1 5/16"	
Flare 8J3350		15.95 lbs 9 1/2" 7"	
Tiger 1U3352TL		13.20 lbs 11" 1/2"	
Twin Tiger 1U3352WTL		14.30 lbs 11" 4 7/8"	
HD Long 9N4352		18.70 lbs 10 1/16" 3 7/16"	
Abrasion 4T2353		16.80 lbs 9 5/16" 4 1/4"	
Rock Abrasion 4T2353RP		21.60 lbs 11 1/2" 1 5/8"	
HD Rock Abrasion 4T2353RPHD		24.00 12" 3/4"	

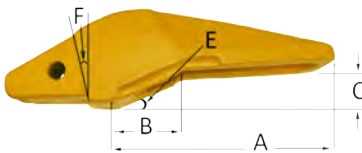
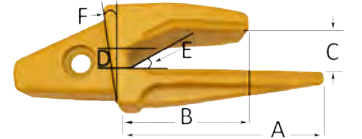
PINS		
Standard	9J2358 W: 3/4" L: 4 1/4"	
Alternate	8E6358 W: 9/16" L: 3 5/8"	
LOCKS		
Standard	8E6359 OD: 1 3/4" ID: 23/32"	
Alternate	3G9549 OD: 1 1/2" ID: 23/32"	

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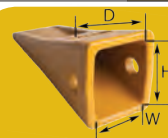
J350 CATERPILLAR STYLE



Tooth Pocket: W: 3 1/8" H: 3 1/4" D: 4 1/16"

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 1 		1U1354 31.70 lbs	11 1/4	3 3/4	1 1/2	-	22	14
Type 4 		3G8354HD 27.20 lbs	8 7/8	5 1/4	1 5/8	5/8	22	12

J400 CATERPILLAR STYLE



Tooth Pocket: W: 3 1/2" H: 3 7/8" D: 4 11/16"

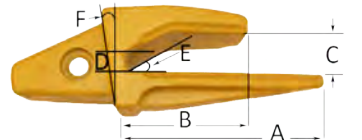
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 7T3402		18.70 lbs 10 1/2" 4"	
Extra 7T3402E		23.60 lbs 12 1/16" 2 1/2"	
Rock Chisel 7T3402RC		22.50 lbs 11 7/8" 1 7/16"	
Tiger 7T3402TL		21.60 lbs 12 3/4" 1/4"	
Twin Tiger 7T3402WTL		23.80 lbs 12 5/16" 5 7/16"	

PINS

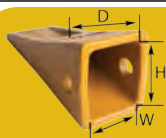
Standard	7T3408 W: 7/8" L: 4 5/8"	
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LOCKS

Standard	8E8409 OD: 1 1/2" ID: 27/32"	
Alternate	7T3409 OD: 1 1/2" ID: 23/32"	

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 4 		6I6404 33.50 lbs	10	7 5/8	1 3/4	3/4	22	9

J450/J460 CATERPILLAR STYLE



Tooth Pocket: W: 3 1/2" H: 3 7/8" D: 4 11/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 9W8452		26.20 lbs 11 3/4" 4 3/8"	
Extra 1U3452E		32.40 lbs 13 1/2" 2.00"	
Rock Chisel 1U3452RC		31.20 lbs 12 5/8" 1 7/8"	
Flare 8J1450		36.50 lbs 12 1/16" 8 15/16"	
Tiger 1U3452TL		28.70 lbs 13 7/16" 7/8"	
Twin Tiger 1U3452WTL		33.10 lbs 14 1/16" 6 1/16"	
HD Long 9N4452		34.00 lbs 12 1/2" 4 1/2"	
Abrasion 9W1453		31.70 lbs 11 1/2" 5 7/16"	
Rock Abrasion 9W1453RP		49.90 lbs 14 1/2" 1 3/4"	
HD Rock Abrasion 9W1453RPHD		55.90 lbs 14 7/16" 1 1/8"	

J450 SERIES

PINS

J450 Standard	1U1458 W: 3/4" L: 5 1/4"	
J450 Alternate	6Y2527 W: 3/4" L: 5 1/4"	

LOCKS

J450 Standard	8E6359 OD: 1 3/4" ID: 23/32"	
J450 Alternate	3G9549 OD: 1 1/2" ID: 23/32"	

J460 SERIES

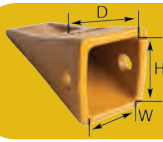
PINS

J460 Standard	8E0468 W: 15/16" L: 5 1/4"	
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LOCKS

J460 Standard	8E8469 OD: 1 15/16" ID: 29/32"	
J460 Alternate	8E0469 OD: 1 11/16" ID: 29/32"	

J450/J460 CATERPILLAR STYLE

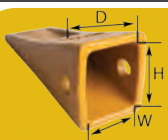


Tooth Pocket: W: 3 1/2" H: 3 7/8" D: 4 11/16"

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 3 Left Hand & Right 		114-0465 (RH) 114-0466 (LH) 55.10 lbs	12 1/2	9	2 1/8	3/4	22	12
Type 4 		8E6464HD 46.50 lbs	11 5/8	7 1/2	2	3/4	24	9
Type 5 Left Hand & Right Hand 		8E6465HD (RH) 8E6466HD (LH) 44.60 lbs	11 7/8	7 3/4	2"	7/8	24	9



J550 CATERPILLAR STYLE



Tooth Pocket: W: 4 7/8" H: 4 5/8" D: 5 3/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Long 9W8552		46.20 lbs 13 1/8" 5 3/8"	
Extra 1U3552E		45.00 lbs 14 3/16" 3.00"	
Rock Chisel 1U3552RC		51.60 lbs 15 1/8" 1 1/2"	
Tiger 1U3552TL		36.00 lbs 14 7/8" 7/16"	
Twin Tiger 1U3552WTL		42.10 lbs 14 1/4" 8 1/4"	
HD Rock Abrasion 9W1553RPHD		69.90 lbs 15 1/4" 6 1/8"	

PINS		
Standard	1U1558 W: 1" L: 6 3/8"	
Alternate	6Y8558 W: 1" L: 6 3/8"	

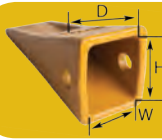
LOCKS		
Standard	8E5559 OD: 2" ID: 31/32"	
Alternate	3G9559 OD: 1 3/4" ID: 31/32"	



Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 2 		107-3554 76.50 lbs	14 1/4	12 5/8	2 5/8	1 1/16	22	15



J600 CATERPILLAR STYLE



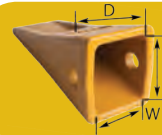
Tooth Pocket: W: 5 11/16" H: 5 13/16" D: 7"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Rock Chisel 6I6602RC		87.00 lbs 18" 6 3/8"	

PINS		
Standard	6I6608 W: 1 1/8" L: 7 5/8"	
LOCKS		
Standard	6I6609 OD: 2 1/4" ID: 1 5/32"	

Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
Type 4 	Diagram labels: A (total length), B (width), C (height), D (hole diameter), E (angle), F (tip width).	6I6604 100.26 lbs	14 1/2	12	3 1/16	1 3/8	22	9

R300 RIPPER CATERPILLAR STYLE



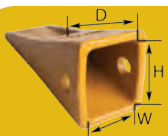
Tooth Pocket: W: 2 3/8" H: 3 3/16" D: 4 3/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper Penetration 6Y0309		11.70 lbs 11 7/16" 1 3/4"	

PINS		
Standard	9J6583 W: 3/4" L: 3 9/16"	
LOCKS		
Standard	1U2405 OD: 1 13/16" ID: 23/32"	

Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)
Shank Assembly 	Diagram labels: A (length), B (width), C (height), D (diam.) (hole diameter).	9J3139 119.00 lbs	20 5/8	7	2 15/16	2 1/16

R310 RIPPER CATERPILLAR STYLE

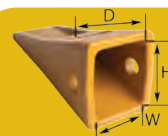


Tooth Pocket: W: 2 3/8" H: 3 3/16" D: 4 3/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper Non-Centerline 7J3312		31.90 lbs 13 7/8" 3 5/16"	

	PINS	LOCKS
Standard	4T2479 W: 1" L: 4 3/4"	-
Alternate	7J9600 W: 1" L: 4 3/4"	-

R350 RIPPER CATERPILLAR STYLE



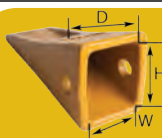
Tooth Pocket: W: 3 1/4" H: 4 5/8" D: 5 13/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper Non-Centerline 6Y3522		24.00 lbs 14" 1 7/8"	
Ripper Penetration 6Y0359		23.60 lbs 14 1/8" 2"	

	PINS	LOCKS
Standard	9J2358 W: 3/4" L: 4 1/4"	1U2405 OD: 1 13/16" ID: 23/32"

Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)
Type 9 Weld On Nose 		8E7350WN 18.50 lbs	5 3/8	7 21/32	3 1/16	3/8
Shank Assembly 		9W7382 337 lbs	-	-	-	-

R450 RIPPER CATERPILLAR STYLE



Tooth Pocket: W: 3 7/16" H: 5" D: 7 3/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper Abrasion 4T4453		44.70 lbs 16 5/8" 3 3/8"	
Ripper Penetration 4T5452		40.00 lbs 15 5/8" 2"	
Ripper Centerline 9W2452		36.20 lbs 15" 3"	

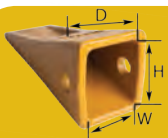
	PINS	LOCKS
Standard	6Y3394 W: 1" L: 4 5/16" 	8E4743 OD: 2" ID: 4 3/4"
Alternate	4T2479 W: 1" L: 4 3/4" 	-



Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)
Type 9 Weld On Nose 		4T9776WN 45.50 lbs	7 17/32	11	3	-
Shank Guard 		6J8814 31.70 lbs	12 1/4	17	14 1/4	3 1/16
Shank Guard 		8E1848 52.0 lbs	-	-	-	-
Nose Segment 		8E8418 176.00	13 3/16	23-1/16	3	37 DEG
Nose Segment 		7J1791 165.0 lbs	14 1/4	23 3/8	3	38 DEG

R500 RIPPER

CATERPILLAR STYLE



Tooth Pocket: W: 4 3/8" H: 6 1/2" D: 6 3/4"

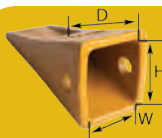
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper Abrasion 4T4503		68.00 lbs 19" 2 7/8"	
Ripper Penetration 4T5502		61.80 lbs 17 1/8" 2 3/4"	
Ripper Futura Style 4T5502F		36.20 lbs 15" 3"	

	PINS	LOCKS
Standard	6Y3909 W: 1 1/4" L: 5 5/8"	4T4707 OD: 2 1/2" ID: 1 7/32"
Alternate	3G0500 W: 1 1/4" L: 6"	-



Adapter Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)
Nose Segment 		103-8115 189 lbs	-	-	-	-
Shank Guard 		1U3644 91.00 lbs	29	9	5 1/4	4 1/8
Shank Guard 		6Y9704 122.0 lbs	19 1/16	25 1/2	5 5/8	4 1/8
Shank Guard HD Sharp 		9W8365 85.0 lbs	-	-	-	-

R550 RIPPER CATERPILLAR STYLE



Tooth Pocket: W: 4 3/8" H: 6 1/2" D: 6 3/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper Centerline Short 9W4551		89.00 lbs 17 5/8" 3"	
Ripper Centerline 9W4552		98.00 lbs 19 7/8" 3"	

	PINS	LOCKS
Standard	8E2229 W: 1 1/4" L: 6" 	101-2874 OD: ID:
Alternate	6Y2443 W: 1 3/8" L: 6 1/8" 	-

Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	D (in)
Shank Guard HD Sharp 		9N4621 172.0 lbs	-	-	-	-

RIPPER CATERPILLAR STYLE VERTICAL WEAR SHROUD (Pin On)

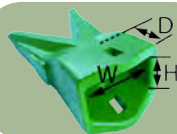
Type / Application	Machines	Part # Weight / Pc	Max Wall Thickness	Adapter Plate	Pin	Lock
Vertical Wear Shroud 	D9, D8, 988, 980	9J9600 37.0 lbs	1-1/2"	152-2762	135-9350	8E6359



RIPPER CATERPILLAR STYLE VERTICAL WEAR SHROUD (Pin On)

Type / Application	Picture	Part # Weight / Pc	A (in)	B (in)	C (in)	Thickness (in)	Bolt Size	Hole Spacing (in)
Side Cutter 		4T2886 172.0 lbs	9	10	18	3/4	3/4	4.5 - 3 - 3 - 3 - 4.5

C18 CONICAL ESCO STYLE

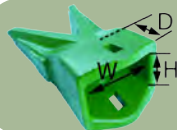


Tooth Pocket: W: 1 3/16" H: 1 1/2" D: 2 1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard 18TL		2.30 lbs 5 1/2" 2"	

	PINS	LOCKS
Standard	18PN W: 1/2" L: 2 1/32"	18LK OD: 9/16" ID: 1 3/8"

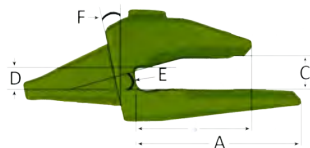
C25 CONICAL ESCO STYLE



Tooth Pocket: W: 2 9/16" H: 2 3/8" D: 2 7/8"

	PINS	LOCKS
Standard	25/30PN W: 3/4" L: 2 7/8"	25/30LK OD: 11/16" ID: 1 1/2"

	PINS	LOCKS
Ratchet	25/30PNR W: 3/4" L: 2 7/8"	25/30LKR OD: 11/16" ID: 1 1/2"

Part#
3807-25
Type 2

Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
11.00 lbs	5 7/16	3 3/4	1 1/8	3/4	31	17

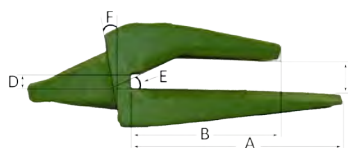
C30 CONICAL ESCO STYLE



Tooth Pocket: W: 3" H: 2 5/16" D: 2 3/4"

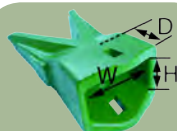
	PINS	LOCKS
Standard	25/30PN W: 3/4" L: 2 7/8"	25/30LK OD: 11/16" ID: 1 1/2"

	PINS	LOCKS
Ratchet	25/30PNR W: 3/4" L: 2 7/8"	25/30LKR OD: 11/16" ID: 1 1/2"

Part#
3807-30
Type 2

Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
15.20 lbs	7 3/4	5 1/8	1 1/8	1/2	30	20

C35 CONICAL ESCO STYLE

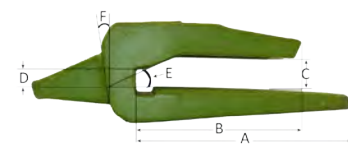


Tooth Pocket: W: 3" H: 2 13/16" D: 3 1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard 35S		9.90 lbs 8 3/4" 3 5/8"	

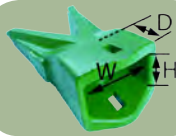
	PINS	LOCKS
Ratchet	35PN W: 7/8" L: 3 1/4"	35/40LKR OD: 15/16" ID: 1 15/16"

	PINS	LOCKS
Standard	35PN W: 7/8" L: 3 1/4"	35/40LKR OD: 15/16" ID: 1 15/16"

Part#
3808-35
Type 2

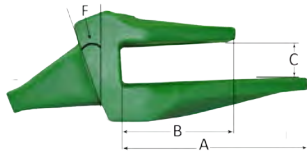
Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
22.00 lbs	9 1/2	6 7/8	1 3/8	1	30	12

C40 CONICAL ESCO STYLE



Tooth Pocket: W: 4" H: 3 1/2" D: 3 9/16"

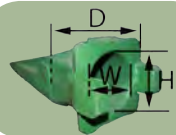
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard 40S		12.80 lbs 9 7/16" 3 5/8"	

Part#
3809-40
Type 2

Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
20.50 lbs	8 1/4	4 7/8	1 5/8	SQUARE LIP	30	12

	PINS	LOCKS
Ratchet	35/40PNR W: 1 3/16" L: 3 5/8" 	35/40LKR OD: 15/16" ID: 1 15/16"
	PINS	LOCKS
Standard	35/40PNR W: 1 3/16" L: 3 5/8" 	35/40LKR OD: 15/16" ID: 1 15/16"

H21 HELILOK / VERTICALOK ESCO STYLE

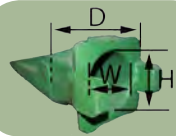


Tooth Pocket: W: 2 5/16" H: 2 5/16" D: 2 1/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator 21SYL		7.30 lbs 8 3/4" 2 7/8"	

HELILOK PIN	VERTALOK KIT
21LK W: 2" L: 2 3/4" 	21VKIT

H27 HELILOK / VERTICALOK ESCO STYLE

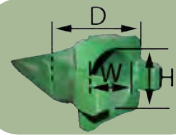


Tooth Pocket: W: 2 3/4" H: 2 3/4" D: 2 1/2"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator 27SYL		9.80 lbs 9 1/4" 3"	

HELILOK PIN	VERTALOK KIT
27LK W: 2 1/4" L: 3" 	27VKIT

H37 HELILOK / VERTICALOK ESCO STYLE

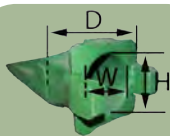


Tooth Pocket: W: 3 1/4" H: 4 3/4" D: 5 3/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator 37SYL		17.30 lbs 11" 4 3/4"	

HELILOK PIN	VERTALOK KIT
37LK W: 2 3/4" L: 3 3/4" 	37VKIT

H47 HELILOK / VERTALOK ESCO STYLE

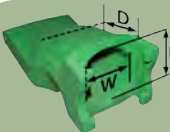


Tooth Pocket: W: 4" H: 4" D: 3 5/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator 47SYL		27.70 lbs 12.50" 5 1/8"	

HELILOK PIN	VERTALOK KIT
47LK W: 3 1/4" L: 4 1/4"	47VKIT

V17 SUPER V ESCO STYLE

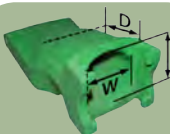


Tooth Pocket: W: 1 15/16" H: 1 1/2" D: 2"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
V17TYL		2.40 lbs 6" 1 7/8"	

STANDARD PIN
V17PN W: 5/8" L: 1 7/8"

V19 SUPER V ESCO STYLE



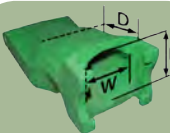
Tooth Pocket: W: 2 3/16" H: 2 3/16" D: 2 1/2"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V19SYL		4.20 lbs 7 1/16" 2 1/2"	

STANDARD PIN
V19PN W: 5/8" L: 2 1/16"

Part# V19AD Type 2									
			Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
			9.50 lbs	6 1/4	2 15/16	1 1/8	1/2	1/2	27

V23 SUPER V ESCO STYLE



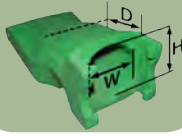
Tooth Pocket: W: 2 1/2" H: 2 1/2" D: 3"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V23SYL		6.30 lbs 8 1/4" 3"	

STANDARD PIN
V23PN W: 5/8" L: 2 1/16"

Part# V23ADP Type 2									
			Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
			13 lbs	6 7/8	3 1/4	1 1/4	1/2	30	14

V29 SUPER V ESCO STYLE



Tooth Pocket: W: 2 13/16" H: 2 13/16" D: 2 13/16"

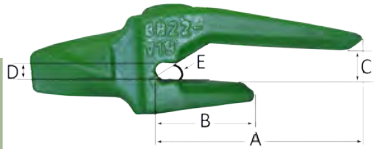
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V29SYL		10.30 lbs 9 7/16" 3 7/16"	

STANDARD PIN

V29PN
W: 7/8"
L: 3 1/8"

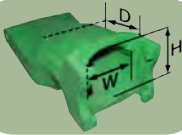


Part#
V29ADP
Type 2



Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
17.5 lbs	7 1/2	3 3/4	1 1/2	5/8	-	-

V33 SUPER V ESCO STYLE



Tooth Pocket: W: 3 1/4" H: 3 1/4" D: 3 3/16"

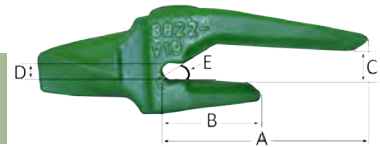
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V33SYL		14.60 lbs 10 1/2" 3 7/8"	
HD Abrasion V33AR		23.70 lbs 9 3/4" 5"	

STANDARD PIN

V33PN
W: 7/8"
L: 3 3/8"

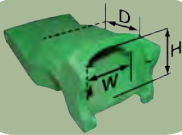


Part#
V33ADP
Type 2



Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
23.00 lbs	8 3/8	4 1/4	1 13/16	1/2	30	9

V39 SUPER V ESCO STYLE



Tooth Pocket: W: 3 5/8" H: 3 5/8" D: 3 3/8"

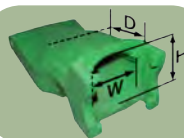
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V39SYL		20.30 lbs 11 1/4" 4 1/2"	

STANDARD PIN

V39PN
W: 1"
D: 3 3/4"



V43 SUPER V ESCO STYLE



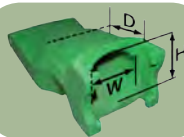
Tooth Pocket: W: 4" H: 4" D: 4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V43SYL		29.70 lbs 12 1/2" 5"	
HD Abrasion V43AD		39.10 lbs 12 7/16" 3 1/8"	
SHV V43SHV		35.20 lbs 11 3/4" 1"	
VX V43VX		29.60 lbs 13 3/4" 5 1/2"	

STANDARD PIN

V43PN
W: 1 1/8"
L: 4 1/8"

V51 SUPER V ESCO STYLE



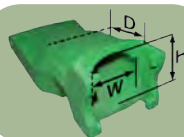
Tooth Pocket: W: 4 1/8" H: 4 1/8" D: 4 5/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V51SYL		36.60 lbs 12 1/2" 5 1/2"	
Short Impact V51RYL		36.90 lbs 11 3/8" 5 1/2"	

STANDARD PIN

V51PN
W: 1 1/2"
L: 4 7/16"

V59 SUPER V ESCO STYLE



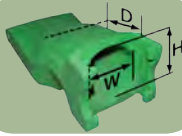
Tooth Pocket: W: 4 3/4" H: 4 3/4" D: 4 3/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V59SYL		53.40 lbs 14 3/4" 5 15/16"	

STANDARD PIN

V59PN
W: 1 1/2"
L: 4 13/16"

V61 SUPER V ESCO STYLE



Tooth Pocket: W: 5 1/16" H: 5 1/16" D: 5 3/8"

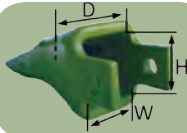
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Flat Penetrator V61SYL		51.90 lbs 14 3/8" 5 7/8"	
Short Impact V61RYL		51 lbs 12 13/16" 5 15/16"	

STANDARD PIN

V61PN
OD: 1 1/2"
ID: 4 13/16"



R25 RIPPER ESCO STYLE



Tooth Pocket: W: 2 5/8" H: 2 13/16" D: 5 1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper 25R12		13.10 lbs 11 1/8" 2 1/4"	

PIN

25RP
W: 17/32"
H: 3 11/16"

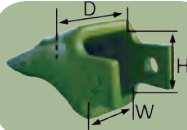


BUSHING

25RB
W: 13/16"
H: 2 7/16"



R35 RIPPER ESCO STYLE



Tooth Pocket: W: 3 9/16" H: 4 5/8" D: 8 1/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Ripper 35R12		27.20 lbs 14" 2 1/2"	

PIN

35RP
W: 17/32"
H: 4 3/4"

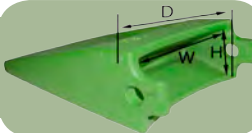


BUSHING

35RB
W: 13/16"
H: 3 3/16"



LOG GRAPPLE ESCO STYLE



Tooth Pocket: W: 7 7/8" H: 3 1/4" D: 3 1/2"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Log Grapple 75LL		68.50 lbs 11 1/4" 9"	

PIN

390LTP
W: 17/32"
H: 4 3/4"



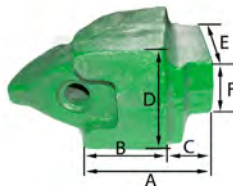
BUSHING

75KLKSR
W: 13/16"
H: 3 3/16"
2 required

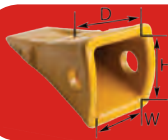


WELD ON NOSE ESCO STYLE

Part#
75LLWN
Type 9



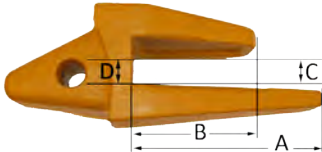
Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
68.00 lbs	1 1/8	3 5/8	1 1/2	4 1/8	6 3/4	2 3/16

PC100/200 KOMATSU STYLE

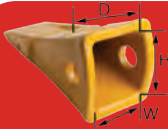
Tooth Pocket: W: 2-13/16" H: 3-1/8" D: 4-1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING
Standard 205-70-19570		8.85 lbs 8-1/2" 2-3/4"		092-44-02496 W: 31/32" / L: 3 25/32"
Rock Chisel 205-70-19570RC		12.30 lbs 10" 1 3/8"		

Part#
205-939-7120
Type 1



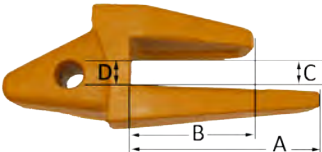
Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
14.80 lbs	7 1/8	4 1/4	1 7/16	N/A	SQR LIP	12

PC300 KOMATSU STYLE

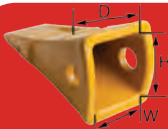
Tooth Pocket: W: 3-3/4" H: 3-1/4" D: 4-3/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING
Standard 207-70-14151		14.70 lbs 9-7/8" 3-1/2"		175-78-21810 W: 1" / L: 4 3/4"

Part#
206-939-5120
Type 1



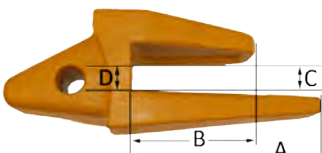
Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
17.50 lbs	8 1/8	4 7/8	1 3/4	N/A	SQR LIP	12

PC400 KOMATSU STYLE

Tooth Pocket: W: 4 3/8" H: 3 7/8" D: 6 1/8"

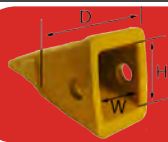
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING
Standard 208-70-14270		32.20 lbs 12 1/4" 5"		092-44-03036 W: 1 5/32" / L: 5 3/8"

Part#
208-939-3120
Type 1



Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
65.50 lbs	10 5/8	6 3/4	1 3/4	N/A	SQR LIP	12

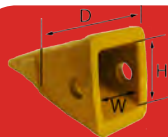
D150 RIPPER KOMATSU STYLE



Tooth Pocket: W: 3" H: 2 5/8" D: 3 5/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING
Ripper Penetration 175-78-31230		34 lbs 13 1/8" 3"		175-78-21740 W: 31/32" / L: 4 5/8"

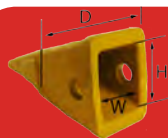
D275 RIPPER KOMATSU STYLE



Tooth Pocket: W: 3 5/16" H: 6 1/16" D: 8 5/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING
Ripper 141-78-11253		27.1 lbs 13 3/4" 3 1/4"		175-78-21740 W: 31/32" / L: 4 5/8"

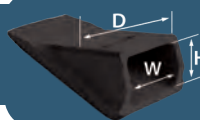
D375 RIPPER KOMATSU STYLE



Tooth Pocket: W: 3 5/16" H: 6 1/16" D: 8 5/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING
Ripper Centerline 195-78-71320		50 lbs 16 3/8" 3"		175-78-21740 W: 31/32" / L: 4 5/8"

2A H & L STYLE



Tooth Pocket: W: 1 1/8" H: 1 1/4" D: 2 1/2"

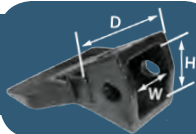
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Crimp On 2AF		1 lbs 4 3/8" 1 11/16"	



Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
1.60 lbs	3 13/16	1 9/16	1 3/4	3/8	30	12

Weight	A (in)	B (in)	C (in)	D (in)	E (deg)	F (deg)
2.00 lbs	3 3/4	6 1/4	1 7/8	7/8	30	-

23 H & L STYLE



Tooth Pocket: W: 1 9/16" H: 1 3/4" D: 2 7/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Fab 23F		1 lbs 4 3/8" 1 11/16"	
Star Rock Chisel 230ST		2.80 lbs 6 3/16" 1/4"	
Twin Tiger 230WT		3.90 lbs 9 3/8" 2 7/8"	

Flex Pin
23P

W:23/32" L: 2 1/8"

XL Flex Pin
23PEX

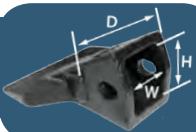
W:23/32" L: 2 1/2"

4 TAB Flex Pin
23P4T

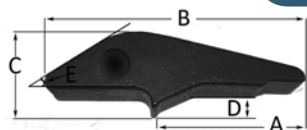
W:23/32" L: 2 1/8"



23 H & L STYLE



Tooth Pocket: W: 1 9/16" H: 1 3/4" D: 2 7/8"

Part#
1001-23
Type 2

Weight

A (in)

B (in)

C (in)

D (in)

E (deg)

4.10 lbs

4 11/16

8

2 3/8

3/4

30

Part#
2740W23
Type 2

Weight

A (in)

B (in)

C (in)

D (in)

E (deg)

3.50 lbs

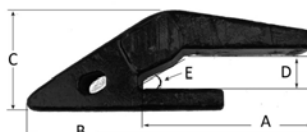
3 1/2

7 1/2

2 11/16

1 1/16

24

Part#
2740AW23
Type 2

Weight

A (in)

B (in)

C (in)

D (in)

E (deg)

3.25 lbs

3 1/4

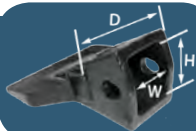
7 1/8

2 1/2

7/8

24

24 H & L STYLE

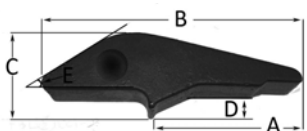


Tooth Pocket: W: 1 1/2" H: 2 1/8" D: 4 1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard 240S		4 lbs 7 1/2" 2 1/8"	

Flex Pin
24P

W:27/32" L: 2 9/32"

Part#
2740W24
Type 3

Weight

A (in)

B (in)

C (in)

D (in)

E (deg)

5.30 lbs

5 1/2

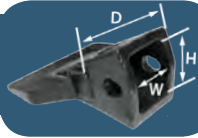
10

2 5/16

1 1/16

24

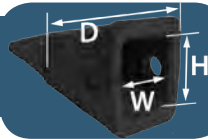
27 H & L STYLE



Tooth Pocket: W: 3" H: 2 1/4" D: 4 1/8"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture		
Standard 270S		8.20 lbs 7 7/8" 3 9/16"		Flex Pin 27P W: 29/32" L: 3"	

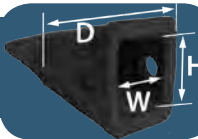
18C RIPPER H & L STYLE



Tooth Pocket: W: 2 1/2" H: 1 3/4" D: 3 1/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture		
Ripper 18C		14.70 lbs 10 9/16" 2 3/8"		Flex Pin 18P W: 1 5/32" L: 3 1/2"	

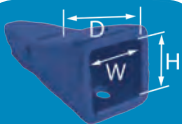
21C RIPPER H & L STYLE



Tooth Pocket: W: 1" H: 2 7/16" D: 3 15/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture		
Ripper 21C		3.90 lbs 7 1/4" 1 3/4"		Flex Pin 21P W: 13/16" L: 2"	

X156 PARABOLIC HENSLEY STYLE



Tooth Pocket: W: 2 1/2" H: 1 3/4" D: 3 1/4"

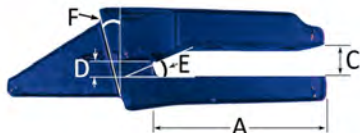
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard X156		1.40 lbs 5" 1 13/16"	
Standard Long X156L		1.70 lbs 5 3/8" 1 15/16"	
Tiger X156T		1.90 lbs 5 1/2" 9/16"	
Twin Tiger X156WT		2.40 lbs 6" 3 3/16"	

SPLIT ROLL PIN

P156
W: 3/8"
L: 2"



Part#
X156-50
Type 1



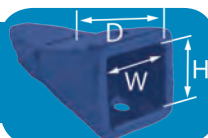
Weight	A (in)	B (in)	C (in)	D (in)	E (deg)
4.10 lbs	8 1/4	6	3/4	2 1/4	30

Part#
X156FL
Type 2



Weight	A (in)	B (in)	C (in)	D (in)	E (deg)
4.66 lbs	6	3 1/8	n/a	n/a	30

X156X PARABOLIC HENSLEY STYLE



Tooth Pocket: W: 2 1/2" H: 1 3/4" D: 3 1/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard X156X		1.65 lbs 5 7/16" 1 11/16"	
Tiger X156XT		1.90 lbs 5 1/2" 9/16"	

FLEX PIN

23P
W: 23/32"
L: 2 1/8"

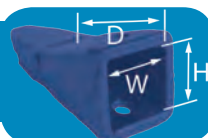


Part#
X156XFL
Type 2



Weight	A (in)	B (in)	C (in)	D (in)	E (deg)
4.66 lbs	6	3 1/8	n/a	n/a	30

X162 PARABOLIC HENSLEY STYLE



Tooth Pocket: W: 1 3/4" H: 2 1/2" D: 3 7/8"

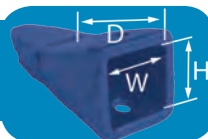
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
HD Long X162HD		4.20 lbs 6 5/8" 2 1/8"	

COIL ROLL PIN

P162
W: 1/2"
L: 3"



X220 PARABOLIC HENSLEY STYLE



Tooth Pocket: W: 2 5/16" H: 2 1/4" D: 3 9/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard X220		6.10 lbs 7" 2 7/16"	

COIL ROLL PIN

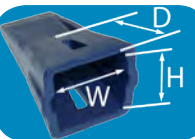
P220
W: 1/2"
L: 3"



X290 PARABOLIC
HENSLEY STYLE

Tooth Pocket: W: 2 7/8" H: 2 5/8" D: 3 5/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	FLEX PIN	STEEL PIN
Standard X290		8.70 lbs 8 1/16" 3 1/16"		P290 W: 1 1/4" L: 3 1/16" 	K290S W: 1 1/16" L: 3 5/32"

X295 PARABOLIC
HENSLEY STYLE

Tooth Pocket: W: 3 5/8" H: 2 17/32" D: 3 15/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN W/ SNAP RING	
Standard X295		8.20 lbs 8" 3 1/4"		P295 W: 13/4" L: 3 5/8" 	

X330 PARABOLIC
HENSLEY STYLE

Tooth Pocket: W: 3 13/32" H: 2 17/32" D: 3 15/16"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	FLEX PIN	STEEL PIN
Standard X330		13.80 lbs 9 1/8" 3 5/8"		P330 W: 1 5/8" L: 3 1/2" 	K330S W: 1 3/8" L: 3 3/4"

X370 PARABOLIC
HENSLEY STYLE

Tooth Pocket: W: 3 5/8" H: 3 3/8" D: 4 1/8"

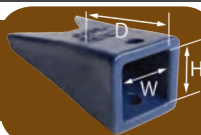
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	FLEX PIN	STEEL PIN
Standard X370		18.50 lbs 10 1/4" 4 1/8"		P370 W: 1 29/32" L: 4 15/16" 	K370S W: 1 21/32" L: 4 3/8"

X400 PARABOLIC
HENSLEY STYLE

Tooth Pocket: W: 4" H: 3" D: 4 3/4"

Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	FLEX PIN	
Standard X400		16.10 lbs 9 5/8" 4 1/8"		P400HD W: 1 29/32" L: 3 5/8" 	

X100 X SERIES ADCO STYLE



Tooth Pocket: W: 1 11/16" H: 1 11/16" D: 2 7/16"

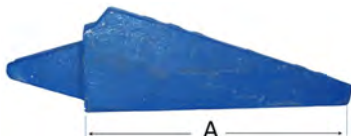
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture
Standard Centre 100C		3.50 lbs 5 7/8" 1/3"	
Tiger Frost Left 100L		3.10 lbs 6 1/4" n/a	
Tiger Frost Right 100R		3.10 lbs 6 1/4" n/a	

COIL ROLL PIN

P100
W: 3/8"
L: 2"

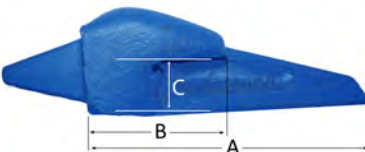


Part#
110C
Type 3



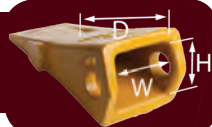
Weight	A (in)	B (in)	C (in)
6 lbs	7	6 19/32	

Part#
110L
Type 3



Weight	A (in)	B (in)	C (in)
6.50 lbs	8 1/2	3 3/4	1

E262 HYUNDAI E STYLE



Tooth Pocket: W: 3 1/2" H: 3 1/16" D: 4 3/4"

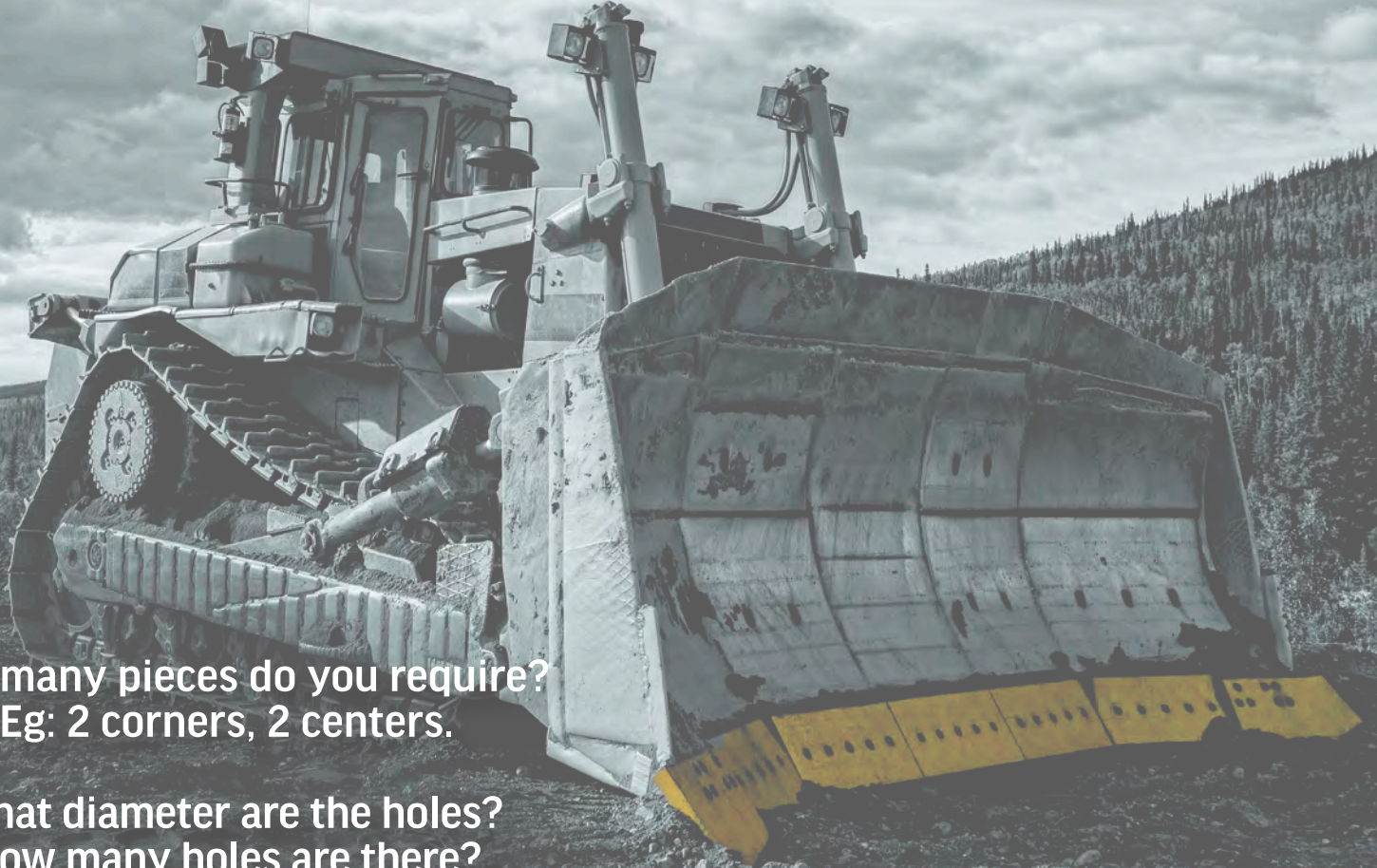
Tooth Profile Type Part #	Application	Weight / Piece O.A.L. Tip Width	Profile Picture	PIN	LOCK
Standard E262-3046		15.60 lbs 10 3/8" 3 1/2"		9J2358 W: 1 3/4" L: 4 1/4"	P235W OD: 11/16" ID: 1 1/2"



One of the largest inventories of
teeth and adapters in North America



CUTTING EDGES



How many pieces do you require?
Eg: 2 corners, 2 centers.

What diameter are the holes?
How many holes are there?

What is the hole pattern and spacing?

Please see our "Cutting Edge Worksheet" located near the back of the catalog.
It will help you identify and accurately relay the aforementioned specifications to our Sales and Production team.

Other factors to consider include:
Ground condition (frozen, loose soil),
abrasiveness, wearability and job factors.

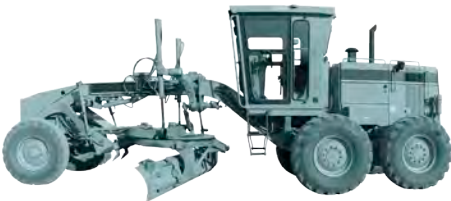


NOVA
GROUND ENGAGING TOOLS



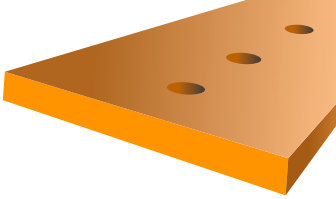
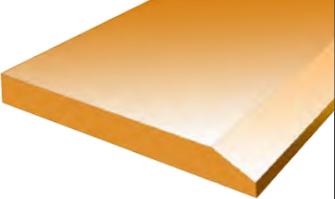
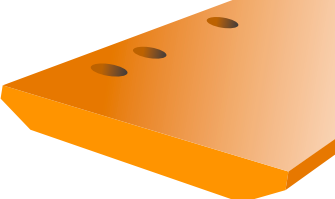
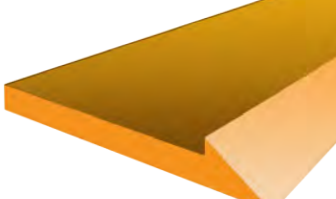
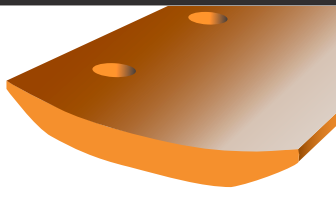
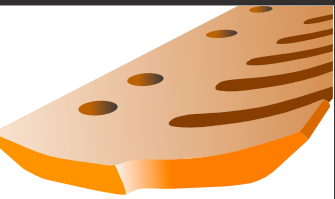
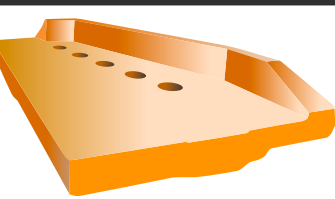
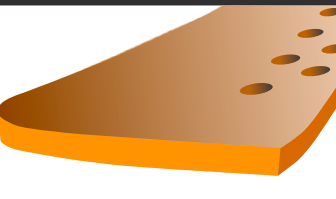
CUTTING EDGE APPLICATIONS

We design and fabricate cutting edges, wear plates, base edges, shrouds and end bits for virtually any piece of equipment. Call us for pricing on your custom orders!

EXCAVATOR	BULLDOZER	LOADER
 • OEM fit or custom designed. • Weld on or bolt on cutting edges. • Standard, serrated or half arrow cutting edges. • Weld in base edges with holes for edges or straight to accept adapters. • Heat treated edges from 1/2" - 2" thick. • Weld on bucket wear bars also available.	 • OEM fit or custom designed. • Cutting Edges made straight or cropped for U-blades. • Bolt on cutting edges through-hardened from 5/8" - 2" thick. • End bits available in hot cupped, level cut or flat.	 • OEM fit or custom designed. • Weld on or bolt on cutting edges and segments. • Standard, serrated or half arrow segments and cutting edges. • Lips available in straight spade and semi-spade styles. • Bolt on or weld on wear and heel plates for buckets. • Heat treated edges from 1/2" - 2" thick.
SCRAPER	GRADER	PLOW
 • OEM fit or custom designed. • Straight level cut and drop center cutting edges. • Through hardened edges from 3/4" - 2" material.	 • OEM fit or custom designed. • Curved grader blades in 6", 8", and 10" wide. • Flat grader blades in 8", 10", 13", and 16" wide. • All grader edges available in standard or serrated. • Heat treated or high carbon steel from 1/2" - 2" thickness. • Flat tungsten carbide impregnated cutting edges now available. • Full selection of flat or curved wing edges. • Moldboard end bits and overlays available.	 • OEM fit or custom designed. • Flat or curved bolt on wear edges. • High carbon or heat treated material. • Top or center drilled. • Flat tungsten carbide impregnated edges now available.

CUTTING EDGE PROFILES



SQUARE EDGE FLAT	SINGLE BEVEL FLAT	DOUBLE BEVEL FLAT	HALF ARROW
			
• Generally used for mounted snow plow. • May also be used for application specific base edges on excavators and loaders. • Usually made as bolt-on with holes in top or in the center (reversible). • Holes may be countersunk, round or square. • Material is often high carbon steel.	• Commonly used as a weld on edge (welded to base of bucket). • Can also be used as a base edge (made with / without holes to accomodate bolt-on edges, adapters or wear segments). • Can be custom drilled or cut. • Can be either heat treated steel for wear or weldable steel for base edges.	• Generally meant as a bolt on wear edge for loaders, dozers, graders, scrapers, backhoes and excavators. • Commonly supplied with bolt holes center drilled (except for graders) to allow the edge to be reversed after lead edge is worn. • Available without holes for custom weld-on applications. • Supplied in heat-treated or through-hardened steel.	• Either bolt-on or weld-on. • Generally designed for loader bucket applications. Sometimes used as a replacement cutting edge for excavators. • Sold in bulk lengths or cut into segments (custom holes and lengths available). • Heat treated boron steel.
DOUBLE BEVEL CURVED	SERRATED	ROUTER BIT	HOT CUPPED END BIT
			
• Primarily used in grader or plow applications. • Generally supplied with square countersunk holes at the top of the blade. • Can be custom ordered with no holes or specialized holes. • Standard heat treated diamond steel (some smaller sizes made from high-carbon steel).	• Serrated (ice edges) can be made from single bevel or double bevel flat, or double bevel curved material. • Serrations can be cut into either side of the edge or both sides (reversible). • Teeth are made with standard width and gap spacing (which depends on thickness and size of the edge). • Custom serrations can be cut to specification.	• Designed to work on scrapers. • They help move material into the center of the bowl and up the elevating conveyor. • Available in standard and heavy duty for most major OEM equipment.	• Made exclusively for bulldozers. • Designed in left hand and right hand configurations. • Digs deep into the surface material and helps move it to the center of the blade to ensure even material flow. • Available in many different thicknesses to suit your application (and most OEM bulldozers).



EXCAVATOR EDGE Application Chart

BUCKET WIDTH / STYLE	BASE EDGE	STANDARD BOLT-ON EDGE	SERRATED BOLT-ON EDGE	3PC BOLT-ON EDGE	QTY OF HOLES	SIZE OF HOLE
24"	E152X25X610SBF6	E203X19X660DBF6	E203X19X660DBFS6	N/A	4	3/4"
30"	E152X25X762SBF6	E203X19X813DBF6	E203X19X813DBFS6	N/A	5	3/4"
32"	E152X25X813SBF6	E203X19X864DBF6	E203X19X864DBFS6	N/A	5	3/4"
36"	E254X32X914SBF6	E254X25X965DBF6	E254X25X965DBFS6	N/A	6	1"
40"	E254X32X1016SBF6	E254X25X1067DBF6	E254X25X1067DBFS6	CONTACT US	7	1"
42"	E254X32X1067SBF6	E254X25X1118DBF6	E254X25X1118DBFS6	JD49044C (X1) & JD49044E (X2)	7	1"
48"	E254X32X1219SBF6	E254X25X1270DBF6	E254X25X1270DBFS6	JD49050C (X1) & JD49050E (X2)	8	1"
48" XHD	E305X38X1219SBF6	E305X251270DBF6	E305X38X1270DBFS6	CONTACT US	8	1"
54"	E254X32X1372SBF6	E330X25X1422DBF6	E330X25X1422DBFS6	JD49056C (X1) & JD49056E (X2)	10	1"
54" XHD	E305X38X1372SBF6	E406X28X1422DBF6	E406X28X1422DBFS6	JD69056C (X1) & JD69056E (X2)	10	1"
60"	E254X32X1524SBF6	E330X25X1574DBF6	E330X25X1574DBFS6	JD59062C (X1) & JD59062E (X2)	11	1"
60" XHD	E305X38X1524SBF6	E406X28X1574DBF6	E406X28X1574DBFS6	JD69092C (X1) & JD69062E (X2)	11	1"
62"	E254X32X1574SBF6	E330X25X1626DBF6	E330X25X1626DBFS6	JD59062C (X1) & JD59064E (X2)	12	1"
62" XHD	E305X38X1574SBF6	E406X28X1626DBF6	E406X28X1626DBFS6	JD69062C (X1) & JD69064E (X2)	12	1"
66"	E305X38X1676SBF6	E406X28X1727DBF6	E406X28X1727DBFS6	JD89068C (X1) & JD69062E (X2)	13	1"
66" XHD	E305X50X1676SBF6	E406X34X1727DBF6	E406X34X1727DBFS6	CONTACT US	13	1"
72"	E305X38X1829SBF6	E406X28X1880DBF6	E406X28X1880DBFS6	JD69074C (X1) & JD69074E (X2)	14	1"
72" HD	E305X50X1829SBF8	E406X28X1880DBF8	E406X28X1880DBFS8	JD89074C (X1) & JD89074E (X2)	9	1"
72" XHD	E355X50X1829SBF8	E406X34X1880DBF8	E406X34X1880DBFS8	Please Call Us	12	1"
84"	E355X50X2134SBF6	E406X28X2185DBF6	E406X28X2185DBFS6	JD89086C (X1) & JD89086E (X2)	14	1"
84" XHD	E355X50X2134SBF6	E406X34X2185DBF6	E406X34X2185DBFS6	CONTACT US	14	1"

CATERPILLAR LOADER EDGE Application Chart

MODEL	BUCKET STYLE	BASE EDGE	BUCKET WIDTH	QTY OF HOLES	BOLT-ON CENTER EDGES	BOLT-ON END EDGES	BOLT-ON SEGMENTS	J SERIES TOOTH FAMILY
416, 426, 428, 436	LOADER (FRONT)	9R4672	89-1/16"	8	9W8215 (X2)	N/A	N/A	J200
		9R5313	94-3/8"	15	4T8077 (X1)	N/A	N/A	J200
IT12, IT18, IT26 IT28, 916, 924F, 926	GENERAL PURPOSE	5V4670	93-1/2"	10	1U0295 (X2)	4T8091 (X2)	N/A	J250
		9V6572	93-1/4"	24	1U0295 (X2)	4T8091 (X2)	4T6694 (X7)	J250
		8V7214	94-3/8"	10	1U0295 (X2)	4T8091 (X2)	N/A	J250
910	GENERAL PURPOSE	5G2809	81-7/8"	7	4T8796 (X1)	4T2914 (X2)	N/A	J250
		6S6500	84-3/4"	7	4T2920 (X1)	4T2918 (X2)	N/A	J250
		5G3085	84-3/4"	19	4T2913 (X1)	4T2914 (X2)	7T8935 (X6)	J250
920, 930	GENERAL PURPOSE	6W2984	94-7/8"	24	1U0607 (X2)	4T8091 (X2)	4T6694 (X7)	J250
		8K8161	96"	9	1U1465 (X1)	1U1464 (X2)	N/A	J250
931, 935	GENERAL PURPOSE	5G2808	72"	8	4T2911 (X1)	4T2910 (X2)	N/A	J250
		6S6501	74-3/4"	6	4T2919 (X2)	N/A	N/A	J250
		5G8467	76-3/4"	8	9W9943 (X1)	9W9944 (X2)	N/A	J250
		6S6500	84-3/4"	7	4T2920 (X1)	4T2918 (X2)	N/A	J250
		5G3477	91-3/4"	7	4T2915 (X1)	4T2914 (X2)	N/A	J250
936E, 936F 938F	GENERAL PURPOSE	6W2985	103-7/8"	24	1U0292 (X2)	4T8091 (X2)	4T6695 (X7)	J250
		8V1825	104"	10	1U0292 (X2)	4T8091 (X2)	N/A	J250
		8V7619	104-7/8"	10	1U0292 (X2)	4T8091 (X2)	N/A	J250
941, 951, 953	GENERAL PURPOSE	5V4673	79-1/2"	10	1U0605 (X2)	4T8091 (X2)	4T6691 (X7)	J300
		6W2977	79-1/2"	24	1U0605 (X2)	4T8091 (X2)	N/A	J300
		8K6452	80-1/4"	8	1U1467 (X2)	N/A	N/A	J300
		9V6572	93-1/4"	24	1U0295 (X2)	4T8091 (X2)	4T6694 (X7)	J300
		5V4670	93-1/2"	10	1U0295 (X2)	4T8091 (X2)	N/A	J300
943, 953	GENERAL PURPOSE	4V8335	81-3/4"	10	1U0294 (X2)	4T8091 (X2)	N/A	J300
		9V6571	81-3/4"	24	1U0294 (X2)	4T8091 (X2)	4T6691 (X7)	J300
		4V8850	86-3/4"	8	1U0293 (X2)	4T8091 (X2)	N/A	J300
		9V6570	86-7/8"	24	1U0293 (X2)	4T8091 (X2)	4T6692 (X7)	J300
944, 950	GENERAL PURPOSE	8K6161	96"	9	1U1465 (X1)	1U1464 (X2)	N/A	J300
		5V7277	95"	12	1U2414 (X2)	4T8101 (X2)	N/A	J300
		6W2986	95"	26	1U2414 (X2)	4T8101 (X2)	4T6694 (X7)	J300
		6W2987	103-1/16"	12	1U2412 (X2)	4T8101 (X2)	4T6694 (X7)	J300
		5V7525	103-7/8"	12	1U2413 (X2)	4T8101 (X2)	N/A	J300
		6W2988	103-7/8"	26	1U2413 (X2)	4T8101 (X2)	4T6694 (X7)	J300
		8K8162	105-7/8"	10	1U1470 (X1)	1U1469 (X2)	N/A	J300
950B, 950E, 950F	GENERAL PURPOSE	5V4696	107-3/4"	12	1U0601 (X2)	4T8101 (X2)	N/A	J300
		9V6573	107-3/4"	26	1U0601 (X2)	4T8101 (X2)	4T6695 (X7)	J300
		5V7410	108-1/16"	12	1U0601 (X2)	4T8101 (X2)	N/A	J300
950B, 950E, 950F, 960F	ROCK	6W2973	110-3/4"	20	7T5963 (X1) & 7T5962 (X1) & 7T5961 (X1)	4T8101 (X2)	N/A	J300
955	GENERAL PURPOSE	5V7262	88-1/8"	12	1U2410 (X2)	N/A	N/A	J300
		8K7524	88-1/2"	8	1U1471 (X2)	4T8101 (X2)	N/A	J300
		6W2978	89"	26	1U2410 (X2)	4T8101 (X2)	4T6692 (X7)	J300
		5V7263	95-3/4"	12	1U2411 (X2)	4T8101 (X2)	N/A	J300
963	GENERAL PURPOSE	4V4958	89-3/8"	12	1U0599 (X2)	4T8101 (X2)	N/A	J300
		6W2979	89-9/16"	26	1U0599 (X2)	4T8101 (X2)	4T6692 (X7)	J300
		4V3174	97-3/8"	12	1U0600 (X2)	4T8101 (X2)	N/A	J300
		6W2980	97-1/2"	26	1U0600 (X2)	4T8101 (X2)	4T6694 (X7)	J300



CATERPILLAR LOADER EDGE Application Chart

MODEL	BUCKET STYLE	BASE EDGE	BUCKET WIDTH	QTY OF HOLES	BOLT-ON CENTER EDGES	BOLT-ON END EDGES	BOLT-ON SEGMENTS	J SERIES TOOTH FAMILY
966C	GENERAL PURPOSE	6W2989	111-7/8"	26	1U2407 (X2)	3G6395 (X2)	4T6698 (X7)	J300
		7V0904	112-1/2"	12	1U2406 (X2)	3G6395 (X2)	N/A	J300
		6W2990	112-1/2"	26	1U2406 (X2)	3G6395 (X2)	4T6698 (X7)	J300
		6W2979	115"	16	1U1476 (X1)	1U1475 (X2)	N/A	J300
		8K9754	115"	26	1U2407 (X2)	3G6395 (X2)	N/A	J300
966D, 966E, 966F	GENERAL PURPOSE	7V6844	114-3/4"	12	1U1909 (X2)	3G6395 (X2)	N/A	J350
		7V1490	119-3/4"	12	1U0593 (X2)	3G6395 (X2)	N/A	J350
		9V6575	119-3/4"	26	1U0593 (X2)	3G6395 (X2)	4T6699 (X7)	J350
966D, 966E, 966F	ROCK	6W2993	121-1/2"	28	4T9185 (X1) & 4T9125 (X1) & 4T9126 (X1)	4T9127 (X1) & 4T9128 (X1)	4T6697 (X1) & 4T9123 (X1) & 4T2914 (X3)	J350
970	GENERAL PURPOSE	9V6575	119-3/4"	26	1U0593 (X2)	3G6395 (X2)	4T6699 (X7)	J350
		7I3015	125-3/4"	26	1006668 (X2)	3G6395 (X2)	1006666 (X7)	J350
973	GENERAL PURPOSE	5V0600	102-1/2"	12	1U0591 (X2)	3G6395 (X2)	N/A	J350
		6W2982	102-5/8"	26	1U0591 (X2)	3G6395 (X2)	4T6697 (X7)	J350
		5G7303	106-3/8"	12	9W8334 (2)	3G6395 (X2)	N/A	J350
		6W2981	112-1/4"	26	1U0592 (X2)	3G6395 (X2)	4T6698 (X7)	J350
973	ROCK	6W2994	106-1/2"	16	9W3676 (X1)	9W3677 (X1) & 9W3678 (X1)	4T3015 (X3) & 4T9123 (X3) & 4T9124 (X1)	J350
977	GENERAL PURPOSE	7V0906	95-3/4"	12	1U2408 (X2)	3G6395 (X2)	N/A	J350
		6W2983	95-3/4"	26	1U2408 (X2)	3G6395 (X2)	4T6696 (X7)	J350
		8K9499	98"	14	1U1478 (X1)	1U1479 (X2)	N/A	J350
		7V0898	111"	12	1U2409 (X2)	3G6395 (X2)	N/A	J350
980, 980B	GENERAL PURPOSE	6W2991	125-1/8"	26	4T5273 (X2)	1U0761 (X2)	4T6700 (X7)	J350
		9K1619	128-3/4"	16	4T6594 (X1)	4T6592 (X2)	N/A	J350
980, 980B, 980C, 980F	ROCK	9V3561	132-3/4"	35	4T7141 (X1) & 4T7144 (X1) & 4T7145 (X1)	4T7142 (X1) & 4T7143 (X1)	4T3015 (X1) & 4T9123 (X3) & 4T9124 (X3)	J350
980C, 980F		9V6574	130-1/2"	26	1U0762 (X2)	1U0761 (X2)	N/A	J350
		7V4188	130-7/8"	12	1U0762 (X2)	1U0761 (X2)	4T6700 (X7)	J350
988, 988B		3V0187	143-1/2"	18	4T6588 (X3)	N/A	N/A	J460
		4E6085	143-1/2"	26	9W1375 (X2)	1U0761 (X2)	4T6700 (X7)	J460
988, 988B		8R4649	143-1/2"	47	9W5733 (X1) & 9W5731 (X1) & 9W5736 (X1)	9W5732 (X1) & 9W5735 (X1)	9W5734 (X1) & 9W5737 (X3) & 9W5730 (X3)	J460
988, 988B		9C2932	143-1/2"	35	9W8250 (X1)	9W8249 (X2)	9W5734 (X7)	J460
988F		4E7616	148-1/2"	42	1019350 (X1)	1019351 (X1) & 1019352 (X1)	1019435 (X3) & 1019436 (X1) & 1019437 (X1)	J460
990		4E9915	175-1/4"	48	1016420 (X1) & 1016422 (X1) & 1016423 (X1)	1016421 (X1) & 1016424 (X1)	4T6760 (X1) & 4T6761 (X3) & 4T6762 (X3)	J550
992C, 992D		9V3570	187"	26	N/A	N/A	4T6760 (X1) & 4T6761 (X3) & 4T6762 (X3)	J550
994		8X0809	224-1/2"	40	N/A	N/A	8E3157 (X2) & 8E3158 (X3) & 8E3159 (X3)	J600
994		1016776	244-7/8"	40	N/A	N/A	8E3157 (X8)	J600

CATERPILLAR LOADER HALF ARROW Application Chart

MODEL	LENGTH OF LIP	WELD-ON BASE EDGE	QTY OF HOLES	BOLT-ON CENTER EDGES	BOLT-ON END EDGES
966, 970	119"	9V6575	18	1U0596NR (X2)	3G6395LNR (X1) & 3G6395RNR (X1)
970	126"	7I3015	18	100-6668NR (X2)	3G6395LNR (X1) & 3G6395RNR (X1)
980	130"	9V6574	18	1U0762NR (X2)	1U0761NR (X2)
980 (with Teeth)	130"	9V6574	18	113-3140C (X1)	113-3141R (X3) & 113-3142L (X3)
980	134"	111-9770	18	109-9212NR (X3)	1U0761NR (X2)
980G / 988B (with Teeth)	143"	8R4649	21	9W5734NRC (X1)	9W5730NRL (X3) & 9W5737NRR (X3)
988F (with Teeth)	148"	4E7616	21	101-9453C (X3)	101-9436R (X2) & 101-9437L (2)
990 / 992 (with Teeth)			28	109-2675C (X1)	109-2676R (X3) & 109-2677L (X3)

CATERPILLAR GRADER Application Chart

MODEL	SERIAL NO.	END BITS - PART NO.	END BIT HOLES		OVERLAYS	OVERLAY HOLES	
			SIZE	QTY		SIZE	QTY
112, 12, 12G	112 (ALL), 12 (ALL), 12G (61M1-1715), 120 (87V1-6134)	9W2945 (x2)	5/8"	10	6D1904 (x2)	5/8"	10
120, 130, 140	130 (74V2293-UP), 140 (72V1-9828)	7D2052 (x2)	5/8"	10	6D1948 (x2)	5/8"	10
12G, 120G, 120H, 130G	12G (61M11716-UP), 120G (87V08135-UP), 120H (ALL), 130G (74V02293-UP)	8E5531 (x2)	5/8"	10	9W1767 (x2)	5/8"	16
135H, 140G, 140H, 143H	135H (ALL), 140G (72V09829-UP), 140H (8x8011, 8x8016), 143H (ALL)				9W1768 (x2)	5/8"	16
140H, 143H, 14H, 160H, 163H	140H (1124520), 143H (1124521), 14H (ALL), 160H (ALL), 163H (ALL)	8E5529 (x2)	3/4"	10	6Y2805 (x2)	3/4"	16
14	ALL	7D2083RH (x1), 7D2084LH (x1)	5/8"	8	4D5757RH (x1), 4D5758LH (x1)	5/8"	10
		8E5529 (x2)	5/8"	10	4D5757RH (x1), 4D5758LH (x1)	5/8"	10
14G	96U1-7324, 96U7325-UP	9J4405RH (x1), 9J4406LH	3/4"	16	7D9999 (x2)	3/4"	16
		9J4405RH (x1), 9J4406LH (x1)	3/4"	16	6Y2805	3/4"	16
16	ALL	9J4407RG (x1), 9J4408LH (x1)	5/8"	8	7D5193 (x2)	5/8"	16
16G	93U1-2777	9D4880RH (x1), 9D4881LH (x1)	3/4"	8	7D9999 (x2)	3/4"	16
	93U2778-UP	8E5530 (x2)	3/4"	10	6Y2805 (x2)	3/4"	16
16H	93U1-2777	8E5530 (x2)	3/4"	10	N/A	N/A	N/A
212	ALL	9J4411 (x2)	5/8"	8	N/A	N/A	N/A
24H	ALL	109-3118 (x2)	1"	12	N/A	N/A	N/A

CATERPILLAR DOZER Application Chart

MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLT		STD. HOT CUP END BITS	H.D. HOT CUP END BITS	LEVEL CUT END BITS	END BIT BOLT	
			SIZE	QTY				SIZE	QTY
D3, D3A, D3B	3P	4T6231 (x1), 4T6230 (x2)	5/8"	19	N/A	N/A	4T6229 (x2)	5/8"	6
D3C	SUPER SLGP	4T6230 (x2)	5/8"	12	N/A	N/A	4T6229 (x2)	5/8"	6
D3C, D4C	3P, 4P	4T6230 (x2)	5/8"	12	N/A	N/A	6Y5839, 6Y5840	5/8"	6
D3C, D4C	3P-LGP, 4P-LGP	4T6232 (x2)	5/8"	16	N/A	N/A	6Y5839, 6Y5840	5/8"	6
D4	4A	4T2979 (x1)	5/8"	13	5A4565HC, 5A4566HC	N/A	4T3043, 4T3044	5/8"	6
D4	4S	4T2977 (x1)	5/8"	18	3G8321HC, 3G8322HC	N/A	4T3051, 4T3052	3/4"	12
D4, D4E	4S	4T2982 (x1)	5/8"	14	3G8321HC, 3G8322HC	N/A	4T3051, 4T3052	3/4"	12
D4C	4S	4T2980 (x1)	5/8"	15	3G8321HC, 3G8322HC	N/A	4T3051, 4T3052	3/4"	12
D4C, D4H	4P-LGP	6Y5842 (x2)	5/8"	16	N/A	N/A	6Y5839, 6Y5840	5/8"	6
D4H	4A, 4P-LGP	4T8940 (x2)	3/4"	16	4T5407HC, 4T5408HC	N/A	3G4285 (x2)	3/4"	8
D4H	4P	3G9306 (x2)	3/4"	12	4T5407HC, 4T5408HC	N/A	3G4285 (x2)	3/4"	8
D5	5A	4T2978 (x2)	5/8"	24	3G8295HC, 3G8296HC	N/A	4T3049, 4T3050	3/4"	8
D5, 815F	5A	4T3004 (x2)	3/4"	18	3G8295HC	N/A	4T3041, 4T3042	3/4"	8
815S		4T3012 (x2)	3/4"	20	3G8319HC, 3G7320HC	N/A	4T3045, 4T3046	3/4"	8
D5, D5B	5A	4T2978 (x1)	5/8"	24	3G8295HC, 3G8296HC	N/A	4T3049, 4T3050	3/4"	8
D5C, D5H	5P	3G9306 (x2)	3/4"	12	N/A	N/A	8E7078, 8E7079	3/4"	12
D5H	5P-LPG	4T2315 (x2)	3/4"	20	4T5407HC, 4T5408HC	N/A	3G4285 (x2)	3/4"	8
D5H	5S	3G6062 (x2)	3/4"	14	4T5407HC, 4T5408HC	N/A	3G4285 (x2)	3/4"	8
D6	6A	4T2978 (x2)	5/8"	24	3G8295HC, 3G8296HC	N/A	4T3049, 4T3050	3/4"	12
D6	6S	4T2977 (x2)	5/8"	18	3G8321HC, 3G8322HC	N/A	4T3051, 4T3052	3/4"	12
D6C	6A	4T3009 (x2)	3/4"	20	3G8297HC, 3G8298HC	9W9010HC, 9W9011HC	4T3041, 4T3042	3/4"	12
D6H	6A	4T6252 (x2)	3/4"	21	4T4455HC, 4T4456HC	6Y4410HC, 6Y4411HC	4T4435, 4T4436	3/4"	12
D7	7A	4T2949 (x2)	3/4"	30	3G8314HC, 3G8315HC	N/A	4T6667, 4T6668	3/4"	14
D7, D7F, D7G	7A	4T2989 (x3)	3/4"	21	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
D7G, D7G, 814S	7S	4T2993 (x1), 4T2992 (x2)	7/8"	17	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
D7F, D7G	7U	4T3421 (x1), 4T3420 (x2)	7/8"	19	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
816		4T6531 (x1), 4T6532 (x2)	7/8"	22	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
824S		5J6891 (x2)	7/8"	20	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
826, 834S, 835		4T6515 (x2)	7/8"	24	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14

CATERPILLAR DOZER Application Chart

MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLT		STD. HOT CUP END BITS	H.D. HOT CUP END BITS	LEVEL CUT END BITS	END BIT BOLT	
			SIZE	QTY				SIZE	QTY
834, 835		4T6531 (x1), 4T6532 (x2)	7/8"	22	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
824S		5J6891 (x2)	7/8"	20	3G8293HC, 3G8294HC	3G8315HC, 3G8315HC	4T6505, 4T6506	7/8"	14
834U		4T8797 (x2), 4T8798 (x2)	7/8"	26	3G8293HC, 3G8294HC	3G8315HC, 3G8316HC	4T6505, 4T6506	7/8"	14
D8	8A	4T2888 (x2)	3/4"	32	3G8313HC, 3G8314HC	N/A	4T6667, 4T6668	7/8"	14
D8	8SU	4T2944 (x2)	3/4"	26	3G8311HC, 3G8312HC	N/A	4T6671, 4T6672	3/4"	14
D8H	8A	4T6352 (x4)	7/8"	24	3G8315HC, 3G8316HC	3G8285HC, 3G8286HC	4T6505, 4T6506	7/8"	14
D8H	8U	4T6300 (x1), 4T6297 (x2)	7/8"	22	3G8315HC, 3G8316HC	3G8285HC, 3G8286HC	4T6505, 4T6506	7/8"	14
825		4T6238 (x3)	1"	24	3G8317HC, 3G8318HC	3G8287HC, 3G8288HC	4T6239, 4T6240	1"	14
D8K	8A	4T2994 (x3)	1"	24	3G8317HC, 3G8318HC	3G8287HC, 3G8288HC	4T6239, 4T6240	1"	14
D8K	8SU	4T2988 (x3)	1"	21	3G8301HC, 3G8302HC	3G8279HC, 3G8280HC	9W8551, 9W8552	1"	14
D8K	8U	4T2987 (x2), 4T2986 (x2)	1"	22	3G8317HC, 3G8318HC	3G8287HC, 3G8288HC	4T6239, 4T6240	1"	14
D8L	8A	4T2988 (x2), 4T2987 (x2)	1"	26	3G8317HC, 3G8318HC	3G8287HC, 3G8288HC	4T8089, 4T8090	1"	14
D8L	8SU	4T9586 (x1), 6Y5540 (x2)	1"	21	3G8291HC, 3G8292HC	3G8283HC, 3G8284HC	1003135, 1003136	1"	14 V
D8N	8SU	4T6381 (x1), 6Y5540 (x2)	1"	19	8E4193HC, 8E4194HC	8E4537HC, 8E4538HC	4T6239, 4T6240	1"	14
D8N	8U	9W6092 (x2), 7T9127 (x2)	1"	22	8E4193HC, 8E4194HC	8E4537HC, 8E4538HC	6Y4277, 6Y4278	1"	14
D9	9C	4T6450 (x1), 4T6388 (x2)	1"	29	3G8291HC, 3G8292HC	3G8283HC, 3G8284HC	N/A	1"	14
D9	9SU	4T6448 (x2)	1"	20	3G8289HC, 3G8290HC	3G8281HC, 3G8284HC	N/A	1"	14
D9	9U	4T6453 (x1), 4T6457 (x2)	1"	25	3G8291HC, 3G8292HC	3G8283HC, 3G8284HC	N/A	1"	14
D9H	9A	4T6388 (x1), 4T6387 (x2)	1"	25	3G8291HC, 3G8292HC	3G8283HC, 3G8284HC	N/A	1"	14
D9H	9SU	4T6386 (x3)	1"	21	3G8289HC, 3G8290HC	3G8281HC, 3G8284HC	N/A	1"	14
D9H	9SU	4T6386 (x3)	1"	21	3G8289HC, 3G8290HC	3G8281HC, 3G8284HC	N/A	1"	14
D9N	9SU	6Y5539 (x1), 6Y5540 (x2)	1"	22	8E4196HC, 8E4197HC	8E4539HC, 8E4540HC	6Y4277, 6Y4278	1"	14
D9N	9U	6Y5538 (x1), 6Y5540 (x2)	1"	25	8E4196HC, 8E4197HC	8E4539HC, 8E4540HC	6Y4277, 6Y4278	1"	14
D10	10U	1U4458 (x3), 1U4457 (x2)	1-1/4"	41	8E4543HC, 8E4544HC	8E4545HC, 8E4546HC	8E9785, 8E9786	1-1/4"	18
D10N	10SU	9W6609 (x2), 9W6608 (x2)	1-1/4"	36	8E4198HC, 8E4199HC	8E4541HC, 8E4542HC	1003131, 1003132	1-1/4"	18
D10N	10U	9W6615 (x3), 9W6608 (x2)	1-1/4"	25	8E4198HC, 8E4199HC	8E4541HC, 8E4543HC	1003131, 1003132	1-1/4"	14
D11N	11SU	9W2426 (x2), 9W2425 (x2)	1-1/4"	36	8E4543HC, 8E4544HC	8E4545HC, 8E4546HC	8E9785, 8E9786	1-1/4"	18
D11N	11U	9W2426 (x2), 9W2425 (x2)	1-1/4"	36	8E4543HC, 8E4544HC	8E4545HC, 8E4546HC	8E9785, 8E9786	1-1/4"	18
D11N	11U	9W2426 (x1), 9W2425 (x2), 9W2424 (x2)	1-1/4"	45	8E4543HC, 8E4544HC	8E4545HC, 8E4546HC	8E9785, 8E9786	1-1/4"	18

CATERPILLAR RIPPER Application Chart

MODEL	SINGLE RIPPER SHANK	MULTI RIPPER SHANK	WELD-ON NOSE (WN) / SEGMENT (SG)	SHANK GUARD	TOOTH SERIES
D3, 931	8J5299		8J7525WN		J200
943, 953	1U11257		9J4254WN		J250
12G, 14G, 14H, 120, 130, 140	9J6586				R300
16G, 16H, D5, D6, D7, 973, 977	9J3139				R350
D7H, 983	9W7382		9W7488WN		R350
D8	7J1792	7J1795	8E8418SG	6J8814	R450
D8L	4T3015	4T0136	8E8418SG	6J8814	R450
D8N, D8R	4T8989	4T8990	4T9776WN 7J1791SG	6J8814	R450
D9, D9N, D9R	9W6167	4T8990	4T9776WN 7J1781SG	6J8814	R450
D9L, D10N, D10R, D11MS	6Y6138	6Y6141	1U3630SG	1U3644	R500
D11N		6Y5616	9W9695SG	6Y9704	R550
D11SS	8E0467	8E4166	6Y9473SG	9N4521	R550

CATERPILLAR COMPACTOR Application Chart

MODEL	TAMPER FOOT	ROCK FOOT	BASE	CLEANER BAR	TOOTH
815	8K9189	4V3851	7K6958	4S7928	3G8250
815B, 815F	2V7053	4V3851	7K6957	106-2047	
824B, 825, 825B, 834, 835	8K9171	7K2939	9S1645	3S3228	
825C	8K9171	4V0668	7K7071		



GENERAL GRADER EDGE Application Chart

MOLD BOARD LENGTH	STYLE	STANDARD CURVED EDGE	STANDARD SERRATED CURVED EDGE	STANDARD FLAT EDGE	STANDARD SERRATED FLAT EDGE	HOLE SIZE (QTY)
10 FOOT	STANDARD	7D4509 (X2)	7D4509S (X2)	4T2967 (X2)	4T2967S (X2)	5/8" (X22)
	HEAVY DUTY	9W6252 (X2)	8D3429 (X2)	4T3034 (X2)	4T3034S (X2)	5/8" (X22)
11 FOOT	STANDARD	7D4509 (X1) & 5D9562 (X1)	7D4509S (X1) & 5D9562S (X1)	4T2967 (X1) & 4T2968 (X1)	4T2967S (X1) & 4T2968 (X1)	5/8" (X24)
	HEAVY DUTY	9W6252 (X1) & 5D9558 (X1)	8D3429 (X1) & 5D9558S (X1)	4T3034 (X1) & 4T3007 (X1)	4T3034S (X1) & 4T3007S (X1)	5/8" (X24)
12 FOOT	STANDARD	5D9558 (X2)	5D9558S (X2)	4T3007 (X2)	4T3007S (X2)	5/8" (X26)
	HEAVY DUTY	4T2244 (X2)	4T2244S (X2)	7T3493 (X2)	7T3493S (X2)	3/4" (X26)
13 FOOT	STANDARD	5D9558 (X1) & 5D9559 (X1)	5D9558S (X1) & 5D9559S (X1)	4T3007 (X1) & 4T3036 (X1)	4T3007S (X1) & 4T3036 (X1)	5/8" (X28)
	HEAVY DUTY	4T2244 (X1) & 4T2242 (X1)	4T2244S (X1) & 4T2242S (X1)	7T3493 (X1) & 7T3494 (X1)	7T3493S (X1) & 7T3494S (X1)	3/4" (X28)
14 FOOT	STANDARD	5D9559 (X2)	5D9559S (X2)	4T3036 (X2)	4T3036S (X2)	5/8" (X30)
	HEAVY DUTY	4T2233 (X2)	4T2233S (X2)	7T3494 (X2)	7T3494S (X2)	3/4" (X30)
16 FOOT	STANDARD	4T2237 (X2)	4T2237S (X2)	7T3496 (X2)	7T3496S (X2)	3/4" (X34)
	HEAVY DUTY	4T2236 (X2)	4T2236S (X2)	4T6511 (X2)	4T6511S (X2)	3/4" (X34)
18 FOOT	HEAVY DUTY	4T2244 (X3)	4T2244S (X3)	4T6502 (X3)	4T6502S (X2)	3/4" (X38)

KOMATSU LOADER EDGE Application Chart

MODEL	BUCKET STYLE	BASE EDGE	BUCKET WIDTH	# OF HOLES	BOLT-ON CENTER EDGES	BOLT-ON END EDGES	BOLT SIZE	TOOTH FAMILY
WA20-1	STRAIGHT	361-701-1160		6	361-972-1140 (X1)	N/A	1/2"	18 Series
WA30-2	STRAIGHT	363-701-1121		6	362-972-1111 (X1)	N/A	5/8"	18 Series
WA40-1	STRAIGHT	363-70-1160		7	362-972-1110 (X1)	N/A	5/8"	18 Series
WA70-1	STRAIGHT	415-70-12121		11	415-815-1110 (X1)	415-815-1120 (X2)	5/8"	18 Series
WA100-1	STRAIGHT	416-70-12121	91-15/16"	8	416-815-1110 (X1)	416-815-1120 (X2)	3/4"	25 Series
WA120-1	STRAIGHT	417-70-12121	94-1/8"	8	416-816-1310 (X1)	416-816-1320 (X2)	3/4"	25 Series
WA120-3	STRAIGHT	417-70-12121	94-1/8"	8	416-815-1310 (X1)	416-815-1320 (X2)	3/4"	25 Series
WA150-1	STRAIGHT	417-70-12121	94-1/8"	8	416-815-1110 (X1)	416-815-1120 (X2)	3/4"	30 Series
WA180-1 WA180-3	STRAIGHT	418-70-12121	96-1/16"	8	417-815-1210 (X1)	417-815-1220 (X2)	3/4"	30 Series
WA200-1	STRAIGHT	418-70-12121	96-1/16"	8	418-815-1120 (X1)	418-815-1110 (X2)	3/4"	35 Series
WA250-1, WA250-3	STRAIGHT	419-70-12122	105-11/16"	8	418-815-1211 (X1)	418-815-1221 (X2)	3/4"	35 Series
WA320-3	STRAIGHT	419-70-12221	107-7/8"	8	418-815-1211 (X1)	418-815-1221 (X2)	3/4"	35 Series
WA300-1	STRAIGHT	419-70-12122	105-11/16"	8	419-815-1110 (X1)	419-815-1120 (X2)	1"	35 Series
	SPADE	419-809-1120	107-7/8"	8	N/A	N/A	N/A	35 Series
WA320-1	STRAIGHT	419-70-12221	107-7/8"	8	419-815-1211 (X1)	418-815-1221 (X2)	3/4"	35 Series
	SPADE	419-819-1120	107-7/8"	N/A	N/A	N/A	N/A	40 Series
WA350-1	STRAIGHT	423-70-12121	108"	16	423-815-1111 (X1)	423-815-1121 (X2)	1"	40 Series
	SPADE	423-809-1120	108-1/2"	N/A	N/A	N/A	N/A	40 Series
WA380-1 WA380-3	STRAIGHT	424-70-12220	114-1/4"	16	423-815-1211 (X1)	423-815-1221 (X2)	1"	WA400 Series
WA400-1	STRAIGHT	424-70-12121	115"	16	424-815-1111 (X1)	424-815-1131 (X2)	1"	WA400 Series
WA420-1, WA420-3	STRAIGHT	421-70-12122	120"	16	424-815-1211 (X1)	421-815-1221 (X2)	1-1/4"	WA400 Series
	SPADE	421-809-1120	120-3/4"	N/A	N/A	N/A	N/A	WA450 Series
WA450-1	STRAIGHT	421-70-12320	119-3/32"	16	421-815-1111 (X1)	421-815-1121 (X2)	1-1/4"	WA450 Series

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KOMATSU LOADER EDGE Application Chart

MODEL	BUCKET STYLE	BASE EDGE	BUCKET WIDTH	# OF HOLES	BOLT-ON CENTER EDGES	BOLT-ON END EDGES	BOLT SIZE	TOOTH FAMILY
WA470-1	STRAIGHT	421-70-12430	124-13/16"	16	421-815-1211 (X1)	421-815-1221 (X2)	1-1/4"	WA450 Series
	STRAIGHT	425-70-12122	134"	16	425-815-1110 (X1)	425-815-1120 (X2)	1-1/4"	WA450 Series
WA500-1	STRAIGHT	425-70-12122	134"	16	425-815-1310(x1)	425-815-1320 (x2)	1-1/4"	WA500 Series
	SPADE	425-809-1121	134-5/8"	N/A	N/A	N/A	N/A	WA500 Series
WA600-1	STRAIGHT	426-806-1120	145"	24	426-815-1110 (x1)	426-815-1130 (x2), 426-815-1120 (x2)	1-1/4"	WA600 Series
	SPADE	426-70-12122		N/A	N/A	N/A		WA600 Series
WA700-1	STRAIGHT	428-806-1120						WA700 Series
	SPADE	428-70-12120		N/A	N/A	N/A	N/A	WA700 Series
WA800-1	STRAIGHT	418-70-12121						
	SPADE	427-70-12125		N/A	N/A	N/A	N/A	

KOMATSU DOZER Application Chart

MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLT		STD HOT CUP END BITS	LEVEL CUT END BITS	END BIT BOLT	
			SIZE	QTY			SIZE	QTY
D20A, D21A	POWER ANGLE	104-72-21140 (x1)	1/2"	10	N/A	12F-929-2170 (x2)	1/2"	8
	ANGLE	104-Z40-1160 (x1)	1/2"	12	N/A	12F-929-2170 (x2)	1/2"	8
D20P, D21P	POWER ANGLE	10G-Z46-1120 (x1)	1/2"	12	N/A	12F-929-2170 (x2)	1/2"	8
	POWER ANGLE	10G-72-21260 (x1)	1/2"	11	N/A	12F-929-2170 (x2)	1/2"	8
	STRAIGHT	104-72-21149 (x1)	1/2"	10	N/A	12F-929-2170 (x2)	1/2"	8
D20PL, D21PL	STRAIGHT	10G-A70-8251 (x2)	1/2"	12	N/A	12F-929-2170 (x2)	1/2"	8
	STRAIGHT	12F-B74-3171 (x2)	1/2"	12	N/A	12F-929-2170 (x2)	1/2"	8
D31A-16	POWER ANGLE	114-72-21140 (x1)	5/8"	12	N/A	11G-71-31170 (x2)	5/8"	8
D31A-17, D31E-17	POWER ANGLE	12F-70-31261 (x1), 12F-70-31251 (x1)	5/8"	14	N/A	11G-71-31170 (x2)	5/8"	8
	ANGLE	12F-70-31281 (x2)	5/8"	14	N/A	11G-71-31170 (x2)	5/8"	8
D31P-16	POWER ANGLE	12F-70-11640 (x2)	5/8"	16	N/A	11G-71-31170 (x2)	5/8"	8
	STRAIGHT	11G-71-21170 (x2)	5/8"	12	N/A	11G-71-31170 (x2)	5/8"	8
D31PL, D31PLL	STRAIGHT	12F-70-31251 (x1), 12F-70-31251 (x1)	5/8"	11	N/A	12F-B47-3171 (x2)	5/8"	8
D37E, D37P	POWER ANGLE	12F-70-31251 (x1), 12F-70-31251 (x1)	5/8"	11	N/A	11G-71-31170 (x2)	5/8"	8
D40A, D45A, D45E	POWER ANGLE	124-Z46-1160 (x2)	5/8"	16	124-70-21330 (x1), 124-70-21340 (x1)	N/A	5/8"	10
	ANGLE	12F-70-11640 (x1)	5/8"	8	124-70-21330 (x1), 124-70-21340 (x1)	N/A	5/8"	10
	STRAIGHT	11G-71-21170 (x2)	5/8"	12	124-70-21330 (x1), 124-70-21340 (x1)	N/A	5/8"	10
D40P, D45P	ANGLE	140-70-11720 (x2)	5/8"	20	12F-Z26-1140 (x1), 12F-Z26-1150 (x1)	N/A	5/8"	10
	STRAIGHT	12F-70-1580 (x2)	5/8"	16	13F-A70-1570 (x1), 13F-A70-1580 (x1)	N/A	5/8"	10
D40PL	STRAIGHT	101-71-12370 (x2)	1/2"	22	N/A	12F-929-2170 (x2)	1/2"	8
D40PLL	STRAIGHT	12F-929-2650 (x2)	1/2"	26	N/A	12F-929-2170 (x2)	1/2"	8
D50A, D53A	ANGLE	130-70-61170 ((x2)	3/4"	20	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
	STRAIGHT	130-Z20-1510 (x2)	3/4"	16	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
D50P, D53P	STRAIGHT	13F-Z27-1510 (x2)	3/4"	20	13F-Z27-1571 (x1), 13F-Z27-1581 (x1)	N/A	3/4"	10
	ANGLE	130-Z20-1510 (x1), 130-920-2180 (x2)	3/4"	23	13F-Z27-1571 (x1), 13F-Z27-1581 (x1)	N/A	3/4"	10

KOMATSU DOZER Application Chart

MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLT		STD HOT CUP END BITS	LEVEL CUT END BITS	END BIT BOLT	
			SIZE	QTY			SIZE	QTY
D50PL	STRAIGHT	130-870-1820 (x1), 130-70-11145 (x2)	5/8"	19	13F-A70-1570 (x1), 13F-A70-1580 (x1)	N/A	3/4"	10
D58E, D58P	ANGLE	130-70-61170 (x2)	3/4"	20	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
	TILT	130-Z20-1510 (x2)	3/4"	16	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
	STRAIGHT	130-Z27-1510 (x2)	3/4"	16	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
D58P-1	ANGLE	130-Z20-1510 (x1), 130-920-2180 (x2)	3/4"	22	13F-Z27-1571 (x1), 13F-Z27-1581 (x1)	N/A	3/4"	10
D60A, D65A, D60E, D65E	POWER ANGLE	154-70-11314 (x3)	3/4"	24	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
	ANGLE	144-70-11131 (x2)	3/4"	22	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
	STRAIGHT	144-920-1120 (x2)	3/4"	18	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
D60P, D65P	STRAIGHT	144-70-11131 (x2)	3/4"	22	13F-Z27-1571 (x1), 13F-Z27-1581 (x1)	N/A	3/4"	10
	ANGLE	130-70-51130 (x1), 130-920-2180 (x2)	3/4"	23	13F-Z27-1571 (x1), 13F-Z27-1581 (x1)	N/A	3/4"	10
D60PL	STRAIGHT	12F-70-31251 (x5)	5/8"	25	13F-A70-1570 (x1), 13F-A70-1580 (x1)	N/A	3/4"	10
D63E	ANGLE	130-70-61170 (x2)	3/4"	20	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
	STRAIGHT	130-Z20-1510 (x2)	3/4"	16	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
D63-1A	STRAIGHT	134-70-31180 (x2)	3/4"	18	144-70-11180 (x1), 144-70-11190 (x1)	N/A	3/4"	10
D65E, D65EX	SEMI-U	14x-952-1130 (x2)	3/4"	16	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
	ANGLE	144-70-11131 (x2)	3/4"	22	144-70-11251 (x1), 144-70-11261 (x1)	N/A	3/4"	10
	STRAIGHT	14x-71-11310 (x2)	3/4"	18	144-70-11251 (x1), 144-70-11261 (x1)	N/A	3/4"	10
D65P, D65PEX	ANGLE	130-70-51130 (x1), 130-920-2180 (x2)	3/4"	23	144-70-11180 (x1), 144-70-11190 (x1)	13F-Z27-1572 (x1), 13F-Z27-1582 (x1)	3/4"	10
	STRAIGHT	14Y-71-11210 (x2)	3/4"	22	144-70-11180 (x1), 144-70-11190 (x1)	13F-Z27-1572 (x1), 13F-Z27-1582 (x1)	3/4"	10
D75A	ANGLE	144-70-61140 (x2)	3/4"	18	144-70-11180 (x1), 144-70-11190 (x1)	13F-Z27-1572 (x1), 13F-Z27-1582 (x1)	3/4"	10
	STRAIGHT	144-920-1910 (x2)	3/4"	24	144-70-11180 (x1), 144-70-11190 (x1)	13F-Z27-1572 (x1), 13F-Z27-1582 (x1)	3/4"	10
D80A, D85E,	ANGLE	154-70-11314 (x3)	3/4"	24	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D85A, D85E	STRAIGHT	154-70-11314 (x1), 154-81-11191 (x2)	3/4"	20	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
	MULTI-ANGLE	154-70-16591 (x1), 154-70-11314 (x2)	3/4"	25	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
	U-DOZER	154-72-11122 (x1), 154-72-11151 (x2)	3/4"	21	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D80P, D85P, D85A, D85E	ANGLE	154-70-11314 (x3)	3/4"	24	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D80P, D85P	ANGLE	154-81-11191 (x2), 154-70-11314 (x2)	3/4"	28	154-96-1120 (x1), 154-926-1130 (x1)	N/A	3/4"	12
D83E, D85E-SS	STRAIGHT	154-72-11151 (x3)	3/4"	18	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D83E	U-DOZER	154-72-11122 (x1), 154-82-11191 (x2)	3/4"	21	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D83P	STRAIGHT	154-70-11314 (x1), 175-70-26310 (x2)	3/4"	22	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D85A, D85E, D85P	STRAIGHT	154-70-11314 (x1), 154-81-11191 (x2)	3/4"	20	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12

KOMATSU DOZER EDGE Application Chart

MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLT		STD HOT CUP END BITS	LEVEL CUT END BITS	END BIT BOLT	
			SIZE	QTY			SIZE	QTY
D85A, D85E	U-DOZER	154-72-11122 (x1), 154-72-11151 (x2)	3/4"	21	150-70-21346 (x1), 150-70-21356 (x1)	N/A	3/4"	12
D135A, D155A-2	ANGLE	175-70-26310 (x1), 175-70-21115 (x2)	7/8"	25	175-70-21126 (x1), 175-70-21136 (x1)	N/A	7/8"	14
	SEMI-U	175-70-26310 (x3)	7/8"	21	175-71-22272 (x1), 175-71-22282 (x1)	N/A	7/8"	14
	U-DOZER	175-72-21123 (x4)	7/8"	24	175-70-21126 (x1), 175-70-21136 (x1)	N/A	7/8"	14
D150A, D155A	STRAIGHT	175-71-11242 (x2)	7/8"	20	175-71-22271 (x1), 175-71-22281 (x1)	N/A	7/8"	14
	ANGLE	175-70-21114 (x2)	7/8"	26	175-70-21125 (x1), 175-70-21135 (x1)	N/A	7/8"	14
	U-DOZER	175-72-21122 (x1), 175-72-21133 (x2)	7/8"	23	175-70-22241 (x1), 175-70-22251 (x1)	N/A	7/8"	14
	MULTI-ANGLE	175-70-26310 (x4)	7/8"	28	175-70-21125 (x1), 175-70-21135 (x1)	N/A	7/8"	14
D155A-3, D155AX	SEMI-U	195-70-12492 (x1), 17A-71-11351 (x2)	1"	19	17M-71-21930 (x1), 17M-71-21940 (x1)	N/A	1"	14
	U-DOZER	17A-71-12221 (x2), 17M-72-21160 (x2)	1"	22	17M-71-21930 (x1), 17M-71-21940 (x1)	N/A	1"	14
D275A	SEMI-U	17M-71-21550 (x2)	1"	17	17M-71-21930 (x1), 17M-71-21940 (x1)	N/A	1"	14
	U-DOZER	17M-71-21160 (x1), 195-71-11654 (x2)	1"	24	17M-71-21930 (x1), 17M-71-21940 (x1)	N/A	1"	14
D355A	STRAIGHT	195-71-11654 (x3)	1"	21	195-71-11173 (x1), 195-71-11183 (x1)	N/A	1"	14
	ANGLE	195-70-12492 (x3)	1"	27	195-71-51630 (x1), 195-71-51640 (x1)	N/A	1"	14
	CUSHION	195-71-11654 (x2)	1"	14	195-71-51630 (x1), 195-71-51640 (x1)	N/A	1"	14
	U-DOZER	195-72-11144 (x2), 195-71-11654 (x2)	1"	26	195-71-51630 (x1), 195-71-51640 (x1)	N/A	1"	14
D375A	STRAIGHT	195-71-52210 (x2), 195-71-11654 (x2)	1"	24	195-71-51630 (x1), 195-71-51640 (x1)	N/A	1"	14
	STRAIGHT	195-71-51661 (x2), 195-71-51651 (x2)	1-1/8"	24	195-71-51631 (x1), 195-71-51641 (x1)	N/A	1-1/8"	14
	U-DOZER	195-71-51120 (x2), 195-70-12492 (x2)	1"	28	195-71-51630 (x1), 195-71-51640 (x1)	N/A	1"	14
	U-DOZER	195-71-51661 (x2), 195-71-51671 (x2)	1-1/8"	28	195-71-51631 (x1), 195-71-51641 (x1)	N/A	1-1/8"	14
	U-DOZER	198-72-11181 (x2), 198-71-11181 (x2)	1-1/4"	26	195-71-61930 (x1), 195-71-61940 (x1)	N/A	1-1/4"	16
	ANGLE	195-71-37450 (x2), 195-70-12492 (x2)	1"	30	195-71-51630 (x1), 195-71-51640 (x1)	N/A	1"	14
	SEMI-U	198-72-11181 (x2), 198-71-61550 (x2)	1-1/4"	22	195-71-61930 (x1), 195-71-61940 (x1)	N/A	1-1/4"	16
D455A	U-DOZER	198-72-11181 (x2), 198-71-11181 (x2)	1-1/4"	26	198-71-11161 (x1), 198071-11171 (x1)	N/A	1-1/4"	16
	STRAIGHT	198-71-11181 (x3)	1-1/4"	24	198-71-11161 (x1), 198071-11171 (x1)	N/A	1-1/4"	16
	CUSHION	198-71-11181 (x3)	1-1/4"	16	198-71-11160 (x1), 198071-11170 (x1)	N/A	1-1/4"	16
D475A	U-DOZER	198-71-21830 (x1), 198-71-21840 (x2)	1-3/8"	26	198-71-21811 (x1), 198-71-21821 (x1)	N/A	1-3/8"	16
	STRAIGHT	198-71-21830 (x1), 198-72-11181 (x2)	1-3/8"	26	198-71-21811 (x1), 198-71-21821 (x1)	N/A	1-3/8"	16
	STRAIGHT	198-71-31550 (x2), 198-71-31540 (x2)	1-3/8"	26	198-71-31520 (x1), 198-71-31530 ((x1)	N/A	1-3/8"	16
D475A-K, D475A-2	SEMI-U	198-71-31550 (x2), 198-71-31540 (x2)	1-3/8"	26	198-71-31520 (x1), 198-71-31530 ((x1)	N/A	1-3/8"	16
	U-DOZER	198-71-31550 (x3), 198-71-31540 (x2)	1-3/8"	34	198-71-31520 (x1), 198-71-31530 ((x1)	N/A	1-3/8"	16
D575	STRAIGHT	19M-72-21260 (x2), 19M-72-11231 (x2), 19M-72-11241 (x2)	1-3/8"	40	19M-72-11210 (x1), 19M-72-11220 (x1)	N/A	1-3/8"	16

KOMATSU RIPPER Application Chart

MODEL	TOOTH	TOOTH PIN	SHANK GUARD	ALTERNATE GUARD	GUARD PIN
D60, D65, D75	141-78-11253	175-78-21740			
D85-18, D85-21, D135A-1, D135A-2, D150A, D155A, D155A-2	175-78-31230	195-78-21320	195-78-21320	195-78-21580	175-78-21740
D275A-2, D355A-3	195-78-21331	175-78-21740	195-78-21320	195-78-21580	175-78-21740
D455A	198-79-11230	092-44-03036			
D375A-1	195-78-21331	175-78-21740	195-78-71110		175-78-21740
D375A-1, D375A-2	195-78-71320	195-78-71360	195-78-72410		092-44-03036
D475A-1, D475A-2	198-78-21340				

KOMATSU GRADER Application Chart

MODEL	SERIAL NUMBER	END BITS	END BITS HOLES		OVERLAYS	OVERLAY HOLES	
			SIZE	QTY		SIZE	QTY
GD300A-1	2001-UP	237-870-1120 (X1), 237-870-1130 (X1)	5/8"	10	232-70-12150 (X1), 232-70-12160 (X1)	5/8"	10
GD313A, GD461A	3001-UP, 10001-A	N/A	N/A	N/A	237-70-22150 (X2)	5/8"	6
GD405A-1	50002-UP	N/A	N/A	N/A	232-70-52191 (X2)	5/8"	8
GD500R-1	10001-UP	232-70-12130 (X2)	5/8"	10	232-70-12150 (X1), 232-70-12160 (X1)	5/8"	10
GD500R, GD505A, GD505R-2	11002-UP, 50003-UP, 30002-UP	N/A	N/A	N/A	232-70-52191 (X2)	5/8"	8
GD510R, GD511A,	15001-UP, 10001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD511R, GD513A,	10001-UP, 30001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD513R, GD521A	30001-UP, 10001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD521R, GD523A,	10001-UP, 30001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD523R, GD525A	10001-UP, 30001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD611A, GD611R,	10001-UP, 10001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD613A, GD613R,	30001-UP, 30001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD661A, GD663A	10001-UP, 30001-UP	N/A	N/A	N/A	232-70-52190 (X2)	5/8"	8
GD600R, GD605A	10001-UP, 50002-UP	234-70-12214 (X2)	5/8"	10	234-70-12233 (X2)	5/8"	8
GD605R, GD605R	30001-UP, 20001-UP	232-70-52180 (X2)	5/8"	10	232-70-52190 (X2)	5/8"	8
GD655A, GD655R	60001-UP, 40001-UP	232-70-52180 (X2)	5/8"	10	232-70-52190 (X2)	5/8"	8
GD600R, GD605A	13001-UP, 53001-UP	232-70-52180 (X2)	5/8"	10	232-70-52190 (X2)	5/8"	8
GD605R, GD655A	23001-UP, 63001-UP	232-70-52180 (X2)	5/8"	10	232-70-52190 (X2)	5/8"	8
GD655R, GD621	43001-UP, 10001-UP	232-70-52180 (X2)	5/8"	10	232-70-52190 (X2)	5/8"	8
GD623, GD625	30001-UP, 60001-UP	232-70-52180 (X2)	5/8"	10	232-70-52190 (X2)	5/8"	8
GD705R	10001-UP	234-70-12214 (X2)	5/8"	10	234-70-12233 (X2)	5/8"	8
GD705A, GD725A	10002-UP, 50001-UP	234-70-32230 (X2)	3/4"	10	234-70-32240 (X2)	3/4"	8
GD825A	10002-UP	234-70-32230 (X2)	3/4"	10	234-70-32240 (X2)	3/4"	8

VOLVO BOLT-ON CUTTING EDGES Application Chart

PART #	MACHINE	TYPE	WIDTH	THICKNESS	LENGTH	HOLE SPACING (in)	HOLE SIZE	# OF HOLES
11045947	L90	EDGE	15-1/8"	1"	22-1/2"	4-1/2 - 4-1/2 - 4-3/4 - 4-1/2 - 4-1/2 (1st row)	7/8"	8
						4-1/2 - 4-1/2 - 4-3/4 - 4-1/2 - 4-1/2 (2nd row)		
11081068	L150	CENTER	15"	1-1/4"	57-3/4"	6-3/8 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 6-3/8	1"	7
11081069	L150	CENTER	19"	1-1/4"	34"	4-1/2 - 5 - 7-1/2 - 7-1/2 - 5 - 4-1/2 (1st row)	1"	10
						4-1/2 - 5 - 7-1/2 - 7-1/2 - 5 - 4-1/2 (2nd row)		
11082433	L330	EDGE	17"	1-1/2"	55-3/4"	6-3/4 - 4-1/2 - 13 - 4-1/4 - 4-1/2 - 13 - 4-1/2 - 6-3/4	1-3/8"	7
11082434	L330	EDGE	17"	1-1/2"	49-7/8"	10-1/8 - 4-1/4 - 4-1/4 - 13 - 4-1/4 - 4-1/4 - 10-1/8	1-3/8"	6
11082664	L180	CORNER	18-7/8"	1"	28-3/8"	5-1/4 - 5 - 3-3/4 - 3-3/4 - 5 - 5-1/2 (1st row)	1"	10
						5-1/4 - 5 - 3-3/4 - 3-3/4 - 5 - 5-1/2 (2nd row)		
11082755	L110E, L120E	EDGE	13-5/8"	1"	68-3/4"	4-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 7-1/2 - 4-1/2	7/8"	9
11111775	L220	CORNER	19"	1-1/4"	28-1/4"	5-3/8 - 5 - 3-3/4 - 3-3/4 - 5 - 5-3/8 (1st row)	1"	10
						5-3/8 - 5 - 3-3/4 - 3-3/4 - 5 - 5-3/8 (2nd row)		
11111776	L220	CENTER	15"	1-1/4"	77"	3-1/4 - 8-3/4 - 8-3/4 - 8-3/4 - 8-3/4 - 8-3/4 - 8-3/4 - 8-3/4 - 8-3/4	1"	9
11156579	L70	END	14-3/8"	3/4"	21"	3-7/8 - 4-1/8 - 4-7/8 - 4-1/8 - 3-7/8 (1st row)	3/4"	8
						3-7/8 - 4-1/8 - 4-7/8 - 4-1/8 - 3-7/8 (2nd row)		

CHOCKY BARS & WELD-ON BUCKET HOOKS

Made from 700 Brunell high chromium white iron weldable mild steel backing plate.



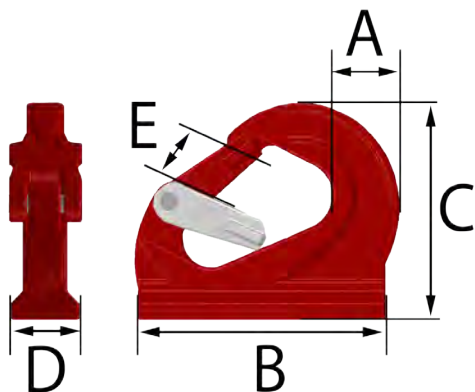
PART #	LENGTH	WIDTH
CB40	9-7/16"	1-9/16"
CB90	-	-
CB100	9-7/16"	3-15/16"
CB130	9-7/16"	5-1/8"

Made from 700 Brunell high chromium white iron with weldable mild steel backing plate.



PART #	DIAMETER
WB90	3-1/2"
WB115	4-1/2"
WB150	5-7/8"

weld-on bucket hooks (equipment hooks) with HD latches



SIZE	WORKING LOAD LIMIT (LBS)		DIMENSIONS (IN)					PART #	WEIGHT / EACH
TONS	LBS	KG	A	B	C	D	E		LBS
2	4,000		1.0	3.1	3.6	1.3	0.9	G8WBHL2T	1.8
3	6,000		1.2	4.5	4.1	1.4	1.1	G8WBHL3T	2.6
5	10,000		1.7	6.1	5.1	1.7	1.3	G8WBHL5T	5.1
8	16,000		2.0	6.3	5.3	2.0	1.4	G8WBHL8T	7.2
10	20,000		2.2	7.8	6.6	2.1	1.9	G8WBHL10T	11.4

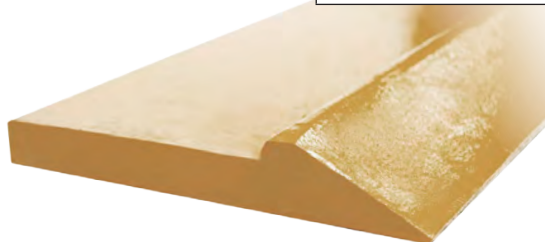
LOADER SHROUD Application Chart

MACHINE WEIGHT	BUCKET CAPACITY	VERTICAL SHROUD	WELDMENTS	MAX. BUCKET WALL THICKNESS	LOWER FASTENERS	UPPER FASTENERS
Up to 60,000 lbs	Up to 6 Cu Yards	VS410	VS410MNA (UP), VS410MNB (DOWN)	1.0"	N/A	EMI-004 (PLUG) EMP-003 (PIN)
70,000 - 150,000 lbs	6-8 Cu. Yards	VS450	VSM100WN (X2)	1.0"	EMI-004 (PLUG) EMP-003 (PIN)	EMI-004 (PLUG) EMP-003 (PIN)
175,000 - 350,000 lbs	9-15 Cu. Yards	VS500	VSM150WN (X2)	1.5"	EMI-004 (PLUG) VS272SP (PIN)	VSR3 (PLUG) VSP3 (PIN)



LOADER WELD-ON HALF ARROW Application Chart

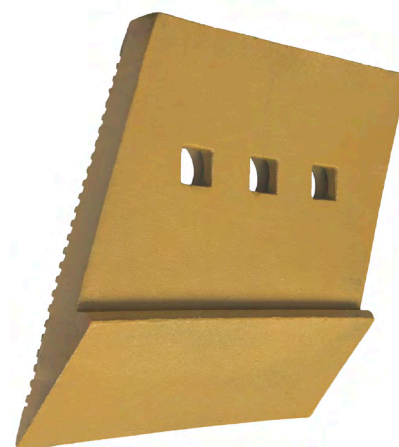
PART #	WIDTH	THICKNESS OF ARROW	THICKNESS OF WELD PLATE	MAX LENGTH
E100X13X21HASW	4"	7/8"	1/2"	228"
E154X19X32HASW	6"	1-1/4"	3/4"	228"
E203X19X32HASW	8"	1-1/4"	3/4"	144"
E254X28X57HASW	10"	2-1/4"	1-1/8"	144"
E254X40X70HASW	10"	2-3/4"	1-9/16"	168"



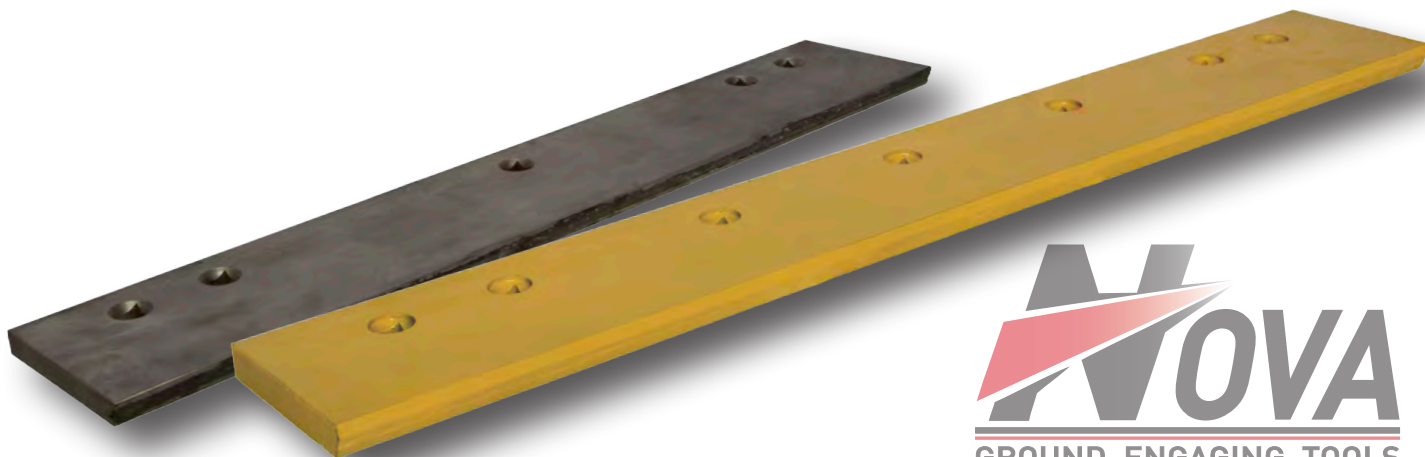
MACHINE WEIGHT	BUCKET CAPACITY	WELD-ON HALF ARROW	AVAILABLE LENGTHS
UP 10,000 LBS	Up to 2 Cu. Yards	HA122404	Up to 10 Feet
10,000 - 25,000 LBS	2 - 4 Cu. Yards	HA204006	Up to 10 Feet
25,000 - 60,000 LBS	3 - 6 Cu. Yards	HA244008	Up to 10 Feet
60,000 - 100,000 LBS	5 - 9 Cu. Yards	HA367210	Up to 12 Feet
100,000 - 200,000 LBS	9 - 20 Cu. Yards	HA528810	Up to 14 Feet

LOADER BOLT-ON HALF ARROW Application Chart

PART #	WIDTH	THICKNESS OF ARROW	THICKNESS OF BOLT PLATE	LENGTH	HOLE SPACING (in)
101-9435NRC	13-5/8"	2-3/4"	1-3/4"	15-3/4"	3-3/8 - 3-3/8 - 3-3/8 - 3-3/8
101-9436NRR	14"	3"	2"	15-1/2"	3-5/8 - 3-3/8 - 3-3/8 - 3-5/8
101-9437NRL	14-1/8"	2-3/4"	1-3/4"	15-3/4"	3-5/8 - 3-3/8 - 3-3/8 - 3-5/8
135-9544NR	11-7/8"	2-3/4"	1-3/4"	15-7/8"	3-1/2 - 5 - 3-1/2
135-9545NR	12"	2-3/4"	1-3/4"	15-3/4"	2-1/2 - 7-1/2 - 2-1/4
135-9546NR	12"	2-3/4"	1-3/4"	15-3/4"	2-1/2 - 7-1/2 - 2-1/8
3G6395NRL	9-1/2"	2-3/4"	1-3/4"	15-5/8"	8-3/8 - 3 - 3 - 1-1/4
3G6395NRR	9-1/2"	2-3/4"	1-5/8"	15-3/4"	8-3/8 - 3 - 3 - 1-1/2
9W5730NRR	12-5/8"	2-3/4"	1-3/4"	15-3/4"	2-7/8 - 3-1/8 - 3-1/8 - 2-7/8
9W5734NRC	12-3/8"	2-3/4"	1-3/4"	15-3/4"	2-3/4 - 3-3/8 - 3-3/8 - 2-3/4
9W5737NRL	12-3/4"	2-3/4"	1-3/4"	15-3/4"	3-1/8 - 3-3/8 - 3-3/8 - 3-1/8



CARBIDE SNOW PLOW EDGES Application Chart



PART #	WIDTH	THICKNESS	LENGTH	HOLE SPACING (in)	HOLE SIZE	# OF HOLES
E127X19X1219CCABNH	5"	3/4"	48"		5/8"	
E127X22X1219ICE	5"	7/8"	48"	3 - 3 - 12 - 12 - 12 - 3 - 3	5/8"	6
E127X22X1219ICE34	5"	7/8"	48"	3 - 3 - 12 - 12 - 12 - 3 - 3	3/4"	6
E127X22X1219WTSB	5"	7/8"	48"	3 - 3 - 6 - 6 - 6 - 6 - 6 - 6 - 3 - 3	5/8"	9
E127X22X1219WTSB34	5"	7/8"	48"	3 - 3 - 6 - 6 - 6 - 6 - 6 - 6 - 3 - 3	3/4"	9
E127X22X1219WTSBCC34	5"	7/8"	48"		3/4"	
E127X22X914ICE	5"	7/8"	36"	3 - 3 - 8 - 8 - 8 - 3 - 3	5/8"	6
E127X22X914ICE34	5"	7/8"	36"	3 - 3 - 8 - 8 - 8 - 3 - 3	3/4"	6
E127X22X914WTSB	5"	7/8"	36"	3 - 3 - 6 - 6 - 6 - 6 - 3 - 3	5/8"	7
E127X22X914WTSB34	5"	7/8"	36"	3 - 3 - 6 - 6 - 6 - 6 - 3 - 3	3/4"	7
E152X16X762SERWTSB	6"	5/8"	30"			4
E152X19X762WTSBR	6"	3/4"	30"			4
E154X19X11118WTSB58	6"	3/4"	44"	2 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 2	5/8"	11
E154X19X1219CCOL34	6"	3/4"	48"	3 - 3 - 12 - 12 - 12 - 3 - 3	3/4"	6
E154X19X1219WTSB34	6"	3/4"	48"	3 - 3 - 12 - 12 - 12 - 3 - 3	3/4"	6
E154X19X1219WTSB58	6"	3/4"	48"	3 - 3 - 12 - 12 - 12 - 3 - 3	5/8"	6
E154X19X914CCOL34	6"	3/4"	36"		3/4"	
E154X19X914WTSB34	6"	3/4"	36"	3 - 3 - 12 - 12 - 3 - 3	3/4"	5
E154X19X914WTSB58	6"	3/4"	36"	3 - 3 - 12 - 12 - 3 - 3	5/8"	5
E154X22X11118WTSB58	6"	7/8"	44"		5/8"	
E154X22X1219WTSB	6"	7/8"	48"	3 - 3 - 12 - 12 - 12 - 3 - 3	5/8"	6
E154X22X1219WTSB34	6"	7/8"	48"	3 - 3 - 12 - 12 - 3 - 3	3/4"	6
E154X22X914WTSB34	6"	7/8"	36"	3 - 3 - 12 - 12 - 3 - 3	3/4"	5
E178X25X1219DBCCABNHFB34	7"	1"	48"	3 - 3 - 6 - 6 - 6 - 6 - 6 - 6 - 3 - 3	3/4"	9
E178X25X1219DBCCABNHFB58	7"	1"	48"	3 - 3 - 6 - 6 - 6 - 6 - 6 - 6 - 3 - 3	5/8"	9
E178X25X914DBCCABNHFB58	7"	1"	36"	3 - 3 - 6 - 6 - 6 - 6 - 3 - 3	5/8"	7

CUTTING EDGE WORKSHEET

CUTTING EDGE WORKSHEET

Toll Free Phone: 1-866-307-6622

COMPANY: _____ CONTACT NAME: _____

ADDRESS: _____ MOBILE: _____

CITY: _____ POSTAL CODE: _____ EMAIL: _____

MACHINE MAKE: _____

MODEL: _____

OEM PART NO: _____

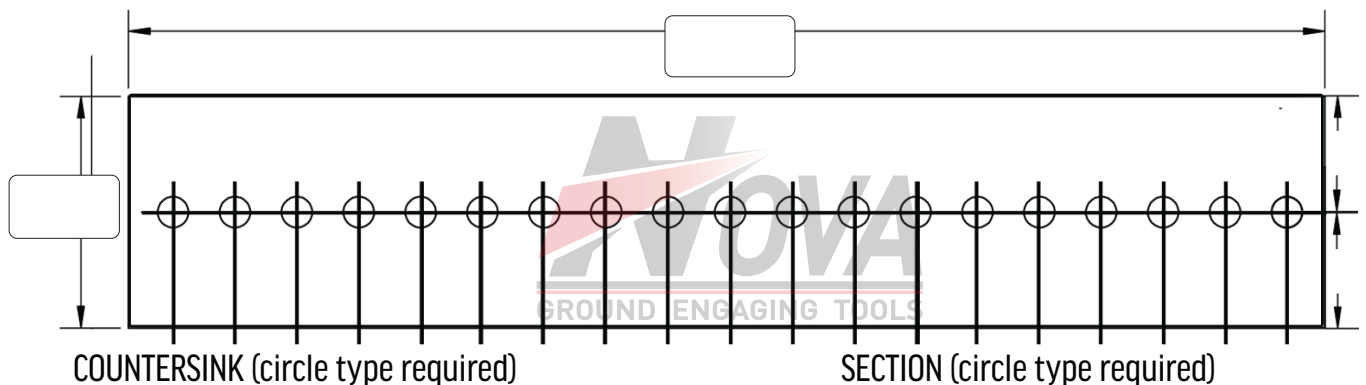
NUMBER OF HOLES: _____ BOLT SIZE: _____

HOLE TYPE (circle): Round Square Square Countersunk None

BLADE THICKNESS: _____ BOLT HOLE SIZE: _____

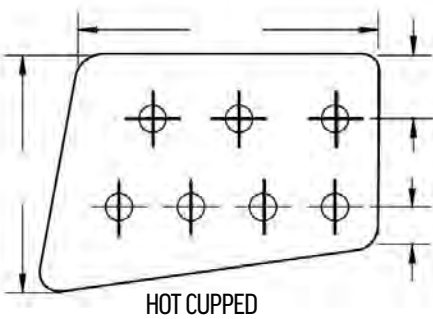
BLADE TYPE (circle): Base Edge Cutting Edge

PLEASE FILL OUT ALL DIMENSIONS ON THE EDGE CHART BELOW

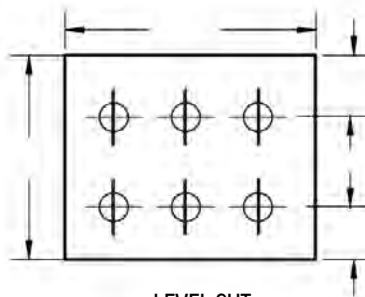


CORNER BITS FOR LOADERS AND BULLDOZERS

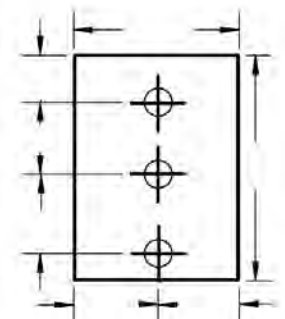
Material Thickness: _____ No. of Bolt Holes: _____ Bolt Hole Size: _____ Bolt Size: _____



HOT CUPPED



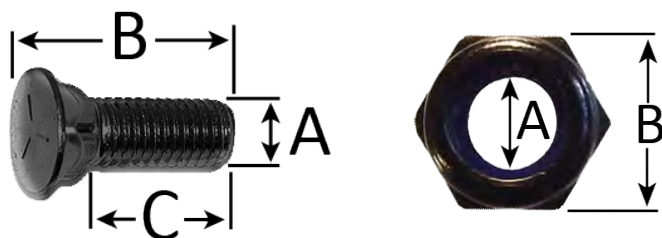
LEVEL CUT



LOADER CORNER

Other important information: _____

GRADE 8 PLOW BOLTS, NUTS, WASHERS Specifications



PART #	DESCRIPTION	A	B	C
16N	1/2" NUT	1/2"	3/4"	
4F3651	1/2" X 2-1/2" PLOW BOLT	1/2"	2-1/2"	1-1/2"
4K0367	5/8" NUT	5/8"	7/8"	
5P8247	5/8" FLAT WASHER	5/8"	1-1/4"	
5P8247LW	5/8" LOCK WASHER	5/8"	1"	
4F3654	5/8" X 2" PLOW BOLT	5/8"	2"	1-3/8"
3F5108	5/8" X 2-1/4" PLOW BOLT	5/8"	2-1/4"	1-5/8"
4F3656	5/8" X 2-1/2" PLOW BOLT	5/8"	2-1/2"	1-5/8"
4F3657	5/8" X 2-3/4" PLOW BOLT	5/8"	2-3/4"	1-1/2"
4F3658	5/8" X 3" PLOW BOLT	5/8"	3"	1-1/2"
4F3665	5/8" X 3-1/2" PLOW BOLT	5/8"	3-1/2"	1-5/8"
4F3671	5/8" X 4" PLOW BOLT	5/8"	4"	1-3/4"
4F3671	5/8" X 4" PLOW BOLT	5/8"	4"	1-3/4"
2J3506	3/4" NUT	3/4"	1-1/8"	
5P8248	3/4" FLAT WASHER	3/4"	1-3/8"	
5P8248LW	3/4" LOCK WASHER	3/4"	1-1/4"	
4F7827STR	3/4" HEAD X 5/8" SHAFT X 2-1/4" REDUCER BOLT	3/4"	2-1/4"	1-1/4"
4F7827	3/4" X 2-1/4" PLOW BOLT	3/4"	2-1/4"	1-1/2"
5J4773	3/4" X 2-1/2" PLOW BOLT	3/4"	2-1/2"	1-3/4"
5J4771	3/4" X 2-3/4" PLOW BOLT	3/4"	2-3/4"	1-3/4"
4F0138	3/4" X 3" PLOW BOLT	3/4"	3"	2"
5F8933	3/4" X 3-3/4" PLOW BOLT	3/4"	3-3/4"	
2J3505	7/8" NUT	7/8"	1-1/4"	
5J2409	7/8" X 3" PLOW BOLT	7/8"	3"	1-5/8"
2J2548	7/8" X 3-1/2" PLOW BOLT	7/8"	3-1/2"	2-1/4"
2J5458	7/8" X 4-1/4" PLOW BOLT	7/8"	4-1/4"	1-3/4"
2J3507	1" NUT	1"	1-1/2"	
4F4042	1" X 3" PLOW BOLT	1"	3"	2-1/4"
4J9208	1" X 3-1/2" PLOW BOLT	1"	3-1/2"	2-3/8"
1J8928	1" X 3-3/4" PLOW BOLT	1"	3-3/4"	2-3/8"
5P8136	1" X 4" PLOW BOLT	1"	4"	2-3/8"
3K9770	1-1/4" NUT	1-1/4"	1-7/8"	
5P88203	1-1/4" X 4" PLOW BOLT	1-1/4"	4"	2"
6V8360	1-1/4" X 4-1/2" PLOW BOLT	1-1/4"	4-1/2"	2-3/8"
5P8361	1-1/4" X 5" PLOW BOLT	1-1/4"	5"	1-1/2"

CARBIDE TIPPED CUTTING TOOLS, CONICAL BITS & BOARDS

For Scarifier Grader Blade Systems

DURABILITY - Tungsten carbide tipped cutting tools outlast all-steel blades

SAVE TIME - Worn cutting tools may be replaced individually and independently of the blade section, without the need for special tools!

LONGER LIFE - Rotating cutting tools are self-sharpening for more uniform wear and longer life.

ENSURE EVEN CUTTING HEIGHT - Even cutting height is maintained as cutting tools may be rotated from position to position

PROVEN PERFORMANCE & VERSATILITY - Exceptional cutting action proven on even the toughest test surfaces;

- Dirt and gravel road maintenance
- Hard-packed snow & ice removal
- Chip & seal road reclamation
- Tar sand road reclamation
- Spot asphalt milling
- Mixing calcium chloride, magnesium chloride or other dust suppressants.

CONICAL BOARDS

BLADE SELECTION GUIDE FOR VARIOUS MOLDBOARD LENGTHS

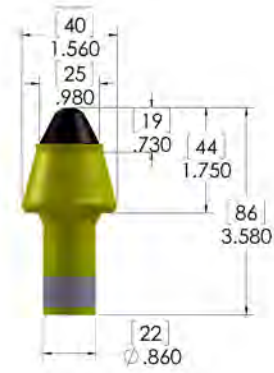
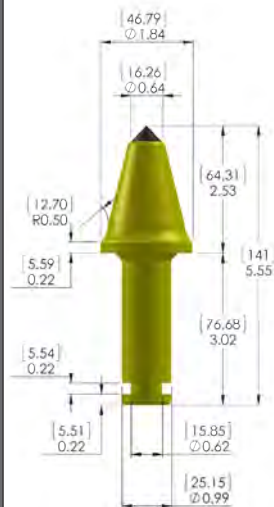
Use the following table to determine the length and number of blades required to outfit your grader with a scarifier system. (The length of your moldboard determines how many 3ft or 4ft blade sections you will need.)



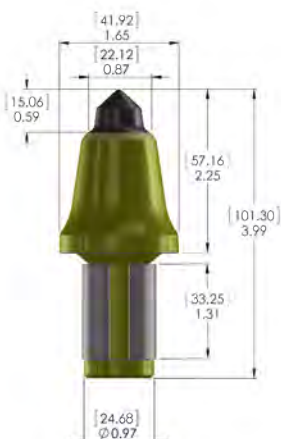
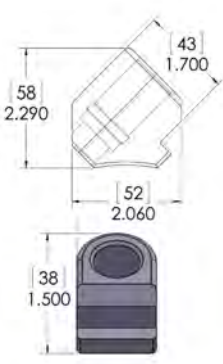
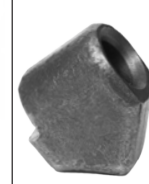
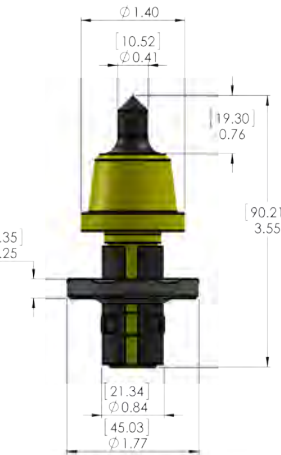
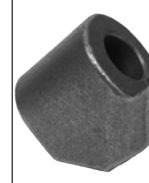
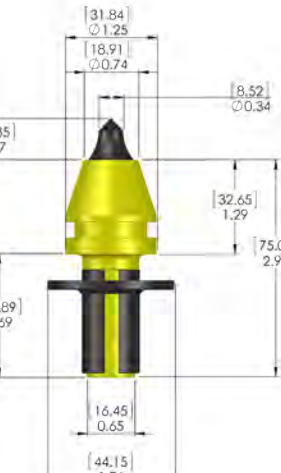
LENGTH OF MOLDBOARD	SIZE & QUANTITY OF SCARIFIER BLADE SECTIONS REQUIRED FOR 1 MOLDBOARD ASSEMBLY		NUMBER OF CUTTING TOOLS REQUIRED
	3 ft (914mm) Sections	4 ft (1219mm) Sections	
12 ft	0	3	72
13 ft	3	1	78
14 ft	2	2	84
16 ft	0	4	96

PART #	LENGTH	WIDTH	THICKNESS ON FLAT	BOLT HOLE SIZE	# OF BOLT HOLES	THICKNESS ON ROUND	BIT HOLE SIZE	# OF BIT HOLES
E127X25X1219CBCRW34	48"	5"	1"	3/4"	9	2-1/4"	7/8"	24
E127X25X914CBCRW34	36"	5"	1"	3/4"	7	2-1/4"	7/8"	18

CARBIDE TIPPED CONICAL BITS

PART # - FEATURES & BENEFITS	SPECIFICATIONS	PICTURE	PART # - FEATURES & BENEFITS	SPECIFICATIONS	PICTURE
C87WFRKCSB 0.841 Lbs/Pc (50 pcs/Box) -Superior wear and rotation. -Washer keeps out debris and improves rotation = longer life & less block wear. -Full-sleeve retainer protects the inside of the bore to prevent uneven wear. -Washer pre-compresses the retainer which makes it easier to install. -Retainer grips tighter to prevent bit loss.			K1LW-2244-2869 0.535 Lbs/Pc (50 pcs/Box) -Similar to the C855HD. -Rounded tip. -Square retainer protects pocket. -Extra shoulder for more wear.		
C858KCSB 0.840 Lbs/Pc (50 pcs/Box) -Longest wearing carbide tip. -For use on all types of road surface -Specially designed tip for extra long tool life and added steel-wash protection. -1.45" (37mm) diameter cutting tool shoulder protects block face from excessive wear.			C87KCSBSR 0.815 Lbs/Pc (50 pcs/Box) -Same design as C858KCSB with added "barbed" short retainer for improved cutting tool retention.		
C855HD 0.540 Lbs/Pc (50 pcs/Box) -Larger carbide tip than similar competitive tools. -Improved with 30% stronger braze. -Blunt-nose tip style. -Fits competitive blade systems.			C3R 0.70Lbs/Pc (50 pcs/Box) 		
C855HDX 0.597 Lbs/Pc (50 pcs/Box) -Larger Carbide tip than similar competitive tools. -Improved with 30% stronger braze. -Same body style as C855HD but with added steel for increased strength & wear life. -Fits competitive blade systems.			C31RHD 1.50 Lbs/Pc (50 pcs/Box) 		

CARBIDE TIPPED CONICAL BITS

PART # - FEATURES & BENEFITS	SPECIFICATIONS	PICTURE	PART # - FEATURES & BENEFITS	SPECIFICATIONS	PICTURE
MCS-23F 1.10 Lbs/Pc (50 pcs/Box)			C87B 0.950 Lbs/Pc (50 pcs/Box) -Replacement tool holder. -Easily welded with 7018 or 8018 low-hydrogen rod. -No pre-heating required.		
RX4-01 0.70 Lbs/Pc (50 pcs/Box)			C87E 1.05 Lbs/Pc (50 pcs/Box) -Replacement tool holder.		
RP18 0.60 Lbs/Pc (50 pcs/Box)					
ALSO AVAILABLE: Moldboard Reducer Bushings (REDUCES 3/4" HOLES TO 5/8" HOLES) PART # GR83/4-5/8					

NOVA STEEL & CARBIDE SAW TEETH

Nova saw teeth are made with high grade hardened, heat-treated alloy steel. A dependable alternative to OEM products. Nova saw teeth have been carefully designed to offer quality at affordable prices.

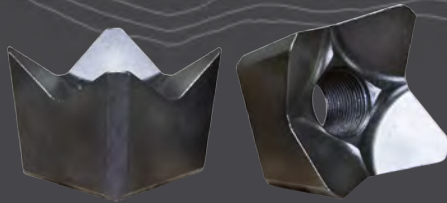
GET-QH10103T STEEL TEETH



GET-Q10024T STEEL TEETH



GET-Q10233T STEEL TEETH

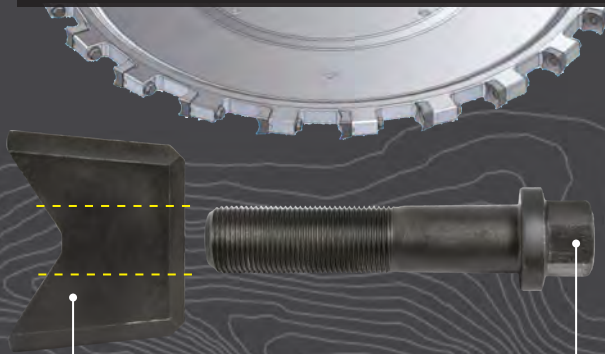


GET-Q10233TC CARBIDE TIP TEETH

Carbide tipped version available for extended wear.

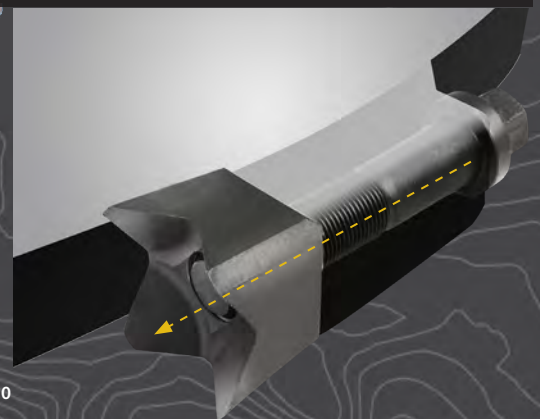


Installing Nova Saw Teeth is easy and tips can be sharpened on the blade, significantly reducing down time and operating costs.



SAW TOOTH - NO SHANK
GET-Q10233T / GET-Q10233TC / GET-QH10103T

HEX BOLT
GET-122844A450



PART #	TYPE	TOOTH KERF	SHANK DIAM-ETER	SHANK LENGTH	BOLT PART #	BOLT DIAM-ETER
GET-Q10233T	Tooth - No Shank	2 5/16"	No Shank	No Shank	GET-122844A450	1"
GET-Q10233TC	Tooth - No Shank CARBIDE TIP	2 5/16"	No Shank	No Shank	GET-122844A450	1"
GET-QH10103T	Tooth - No Shank	2"	No Shank	No Shank		3/4"
GET-QK10024T	Tooth - Long Shank	2 3/8"	1.234"	2"		5/8"



Polycarbonate Storage Container

Worn saw teeth are the number one productivity killing factor observed on drive-to-tree feller bunchers.

QCCANADA

Unit #1 -2133 191St. Surrey, BC. Canada V3Z 3M3

P: 1-888-507-9734 P: 604-507-9734

E: info@qccanada.com www.qccanada.com

*TrackClaws*

LESS DOWN TIME

No need to pull equipment off the job for welding. Simply bolt on TrackClaws using basic tools.

SAVE MONEY

TrackClaws can be easily removed for sensitive terrain, no need for expensive cutting of ice lugs.

SAFETY

TrackClaws design improves forward and backward traction. The unique chevron shape greatly increases lateral grip.





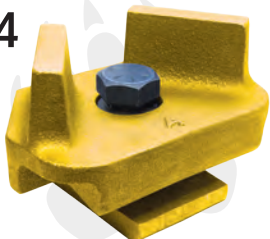
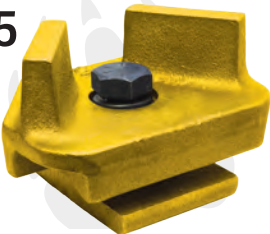
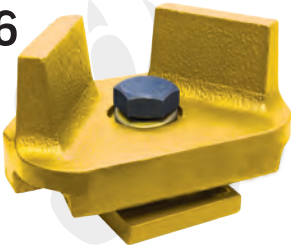
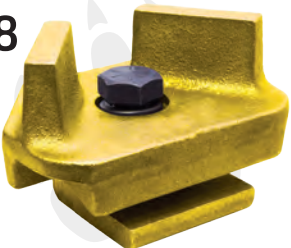
TrackClaws

Machine Forestry Model Fit Chart

All TrackClaws include bolts, washers and 262 Thread locker compound.
Not all machines listed.
Contact us for details or additional machine fitments.



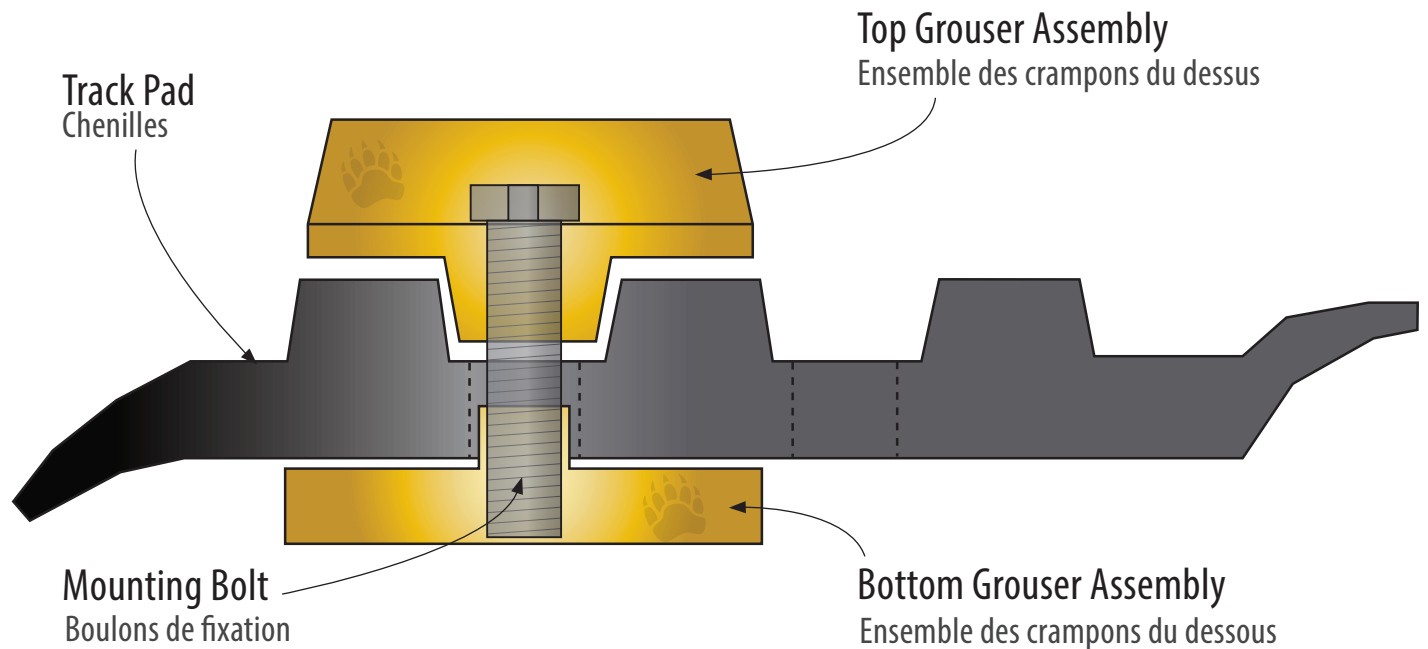
TRACK LUG SYSTEM

		TIMCO	JOHN DEERE/ HITACHI	TIGERCAT	VALMET	MADILL	CATERPILLAR	LINKBELT / VOLVO
TC2  TC2A - Grouser TC2B - Base	Forestry Buncher							
	Forestry Processor							
	Forestry Loader							
	Excavator							
	Dozer							
TC3  TC3A - Grouser TC3B - Base	Forestry Buncher							
	Forestry Processor							
	Forestry Loader							
	Excavator							
	Dozer							
TC4  TC4A - Grouser TC4B - Base	Forestry Buncher							
	Forestry Processor							
	Forestry Loader							
	Excavator							
	Dozer							
TC5  TC5A - Grouser TC5B - Base	Forestry Buncher							
	Forestry Processor							
	Forestry Loader							
	Excavator							
	Dozer							
TC6  TC6A - Grouser TC6B - Base	Forestry Buncher							
	Forestry Processor							
	Forestry Loader							
	Excavator							
	Dozer							
TC8  TC8A - Grouser TC8B - Base	Forestry Buncher							
	Forestry Processor							
	Forestry Loader							
	Excavator							
	Dozer							



INSTALLATION INSTRUCTIONS INSTRUCTIONS DE MONTAGE

TrackClaws



1. Fit bottom grouser assembly up underneath track pad between rails. Use cleanout hole closest to side of pad that curves downward.

Installer et ajuster l'ensemble des crampons du dessous sur le dessous des chenilles et entre les rails. Se servir de l'orifice de dégorgement le plus proche du côté des chenilles courbé vers le bas.

Note: Edges of bottom grouser assembly may need to be trimmed to fit between some rails. Use the thread locking compound on the threads of the bottom assembly to prevent the bolt from coming loose.

Remarque: Il sera peut-être nécessaire de couper les bords des crampons du dessous pour les ajuster avec certains rails. Utiliser les antigrippants du filetage de l'ensemble du dessous afin d'empêcher la formation de rouille.

2. Place top grouser assembly on top of track pad, directly above the clean-out.

Placer l'ensemble des crampons du dessus sur le haut des chenilles, directement audessus de l'orifice de dégorgement.

3. Drop mounting bolt, fitted with lock-washer, through the bolt hole in top grouser assembly. Then tighten mounting bolt into bottom grouser assembly at the recommended torque setting of 400 ft-lbs (542NM)

Insérer les boulons de fixation, accompagnés de leur rondelle de blocage, dans le trou de boulon situé dans l'ensemble de crampons du dessus. Utiliser les antigrippants du filetage de l'ensemble du dessous afin d'empêcher les boulons de se desserrer.

4. After running machine for 2 to 3 hours check the tightness of the bolts. If any debris was trapped between the track pad and the claw it could result in a loose claw.

Après avoir fait fonctionner la machine pendant 2 ou 3 heures, vérifier l'étanchéité des boulons. Si des débris se sont accumulés entre les chenilles et la pince, la pince pourrait alors se desserrer.

After that we recommend weekly inspections.
À partir de là, nous recommandons une vérification hebdomadaire.





1. How many grouser bars are on your pads?

Nombre de traverses sur vos sabots?

QTY:

2. The thickness of your pad.
Épaisseur de votre sabot.

in: mm:

3. How many pads does your machine have on each side?

Nombre de sabots que possède votre machine de chaque côté
Adhésif frein-filet?

QTY:

4. The distance between your rails.
Distance entre vos rails.

5. Distance between your existing grouser bars.

Distance entre les traverses.

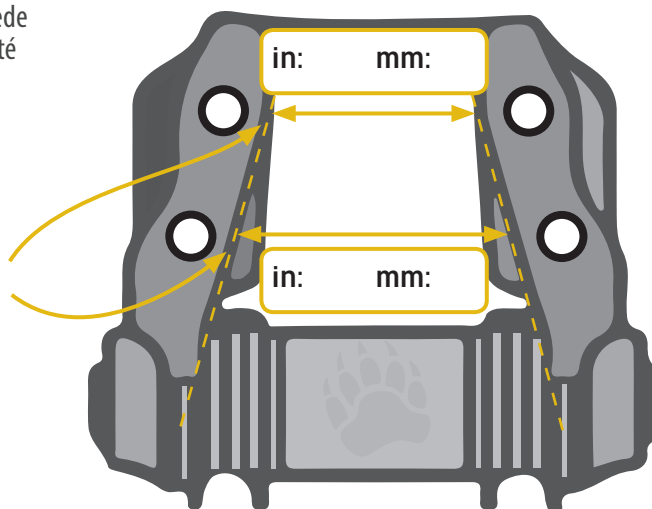
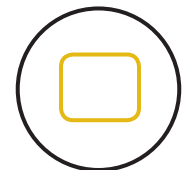
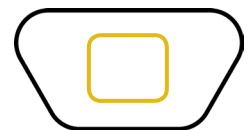
in: mm:

6. The height of the grouser bar on your pad.
Hauteur de la traverse sur le sabot.

in: mm:

7. The size & shape of your clean out hole.

Taille et forme de l'orifice de nettoyage.



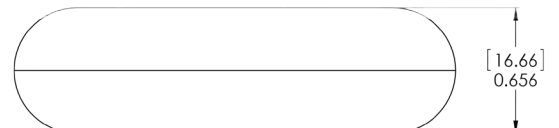
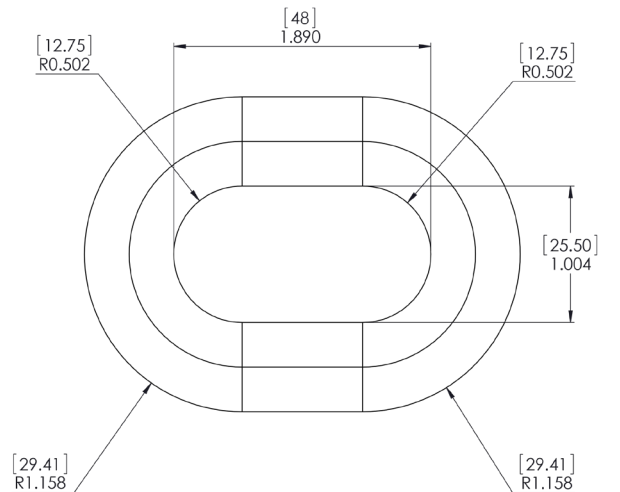
FLAIL CHAIN

OVAL LINK FLAIL CHAIN

PART #	LINK QTY	LINK SIZE
QGF16.7-DR	8	16.7mm



QGF16.7-DR



ABOUT US

About QCCanada

QCCanada began in 1973 as Midway Chain, a regional distributor and retailer of traction tire chains. In 2005 Midway Chain merged into QCCanada to focus on being Canada's premier wholesaler of traction tire chains with the largest selection and inventory in Canada.

2009 brought the opportunity to provide many of our existing customers with ground engaging tools, lifting and rigging supplies as well as cargo control products. We sought out and attracted the best and the brightest talent with tremendous product knowledge and experience in each of these industries to provide a solid foundation that you can rely upon.

Since 2005 QCCanada has been growing throughout Canada by following 3 core principles.

1. *Assist our customers to strike the balance between price, performance and application.*
2. *Same day shipping whenever possible.*
3. *Stand behind everything we sell with the best warranty in the industry.*

We are the experts in the products we offer, building unique and effective solutions for clients. Contact us to learn about how we can build a solution for your organization.

1-888-507-9734
www.qccanada.com



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