

BLUEJAY INDUSTRIAL, INC.

GROUND ENGAGING TOOLS

2010 EDITION



Move the Earth with Experience

Quality Bucket Teeth, Adapters, Cutting
Edges, Grouser Bar & Hardware
For all makes of Excavators, Loaders,
Skidsteers, Backhoes and Bulldozers.

Important Information Needed Before Ordering

- If possible please supply us with the O.E.M. (Original Equipment Manufacturer) Part number for your teeth, adapters and edges.
- State the Make, Model and Series of machine that the tooth/adaptor or Edges will be used on. (i.e. Cat 980G or John Deere 590B)
- For bucket teeth, identify style of tooth (see next page for common styles) If style is unknown then please describe the pin system it uses, where the pin goes in the tooth (side or top), and any identifiable markings on the tooth.
- Measure the width, height & depth of the pocket of the tooth or the nose of the adapter, and if possible length and width of tooth.
- If machine currently does not have any adapters, teeth or edges on it, please use our application charts to find your machine. If your machine does not appear on any of our application charts please give us a call or use an equivalent size machine.
- Make sure you know your lip thickness of your bucket. The lip is the leading edge of the bucket.
- For cutting edges, we need to know thickness, width, length, steel profile, bolt hole size, spacing, and location on the edge.
- For the best possible results of our products please use our application guides to determine which product will work the best for your conditions. Using the right product will lower operating costs and increase service life.

Warranty Information

- Bluejay Industrial, Inc. stands behind all of the products it sells. Should there be any defects in the quality or workmanship of any of our Ground Engaging Tools, within their normal wear life, then Bluejay will replace or credit those parts (at our discretion).
- This warranty does not apply to any products that have been misused, abused or have broken due to operator, equipment, adapter nose wear, improper welding, or mis-installation.
- All items are manufactured for wear and are an expendable part of any normal digging or loading operation.
- Items that have been welded, hard-surfaced, or altered in any way are void from any warranty.
- Bluejay does not allow for any charges in labour, freight, downtime, contingent or consequential damages.
- No product returns are accepted unless written authorization is given. See return policy below
- All returns must be pre-authorized by a sales representative of Bluejay Industrial, Inc. No returns will be accepted without a Bluejay returned goods authorization number (RGA). All returns are subject to a minimum 20% restocking fee. All returns must be made within 30 days of purchase and be accompanied by the original or a legible copy of the Counter Sale Invoice or Invoice or Packing Slip. All items returned must be in the same condition as when it was purchased. All returns must be sent prepaid. The following items are NON-REFUNDABLE: all items discounted on special sales, cut to length, custom drilled cutting edges, and special order parts.

Disclaimer

- All manufacturers' names, numbers, symbols, and descriptions are used for reference purposes only. It is not implied that any part listed in this catalogue is the product or is endorsed by any of these manufacturers.
- This Catalogue is intended for application and identification purposes only as a service to our customers. At no time does Bluejay imply that all of these products are available or are in normal stock.

Table of Contents

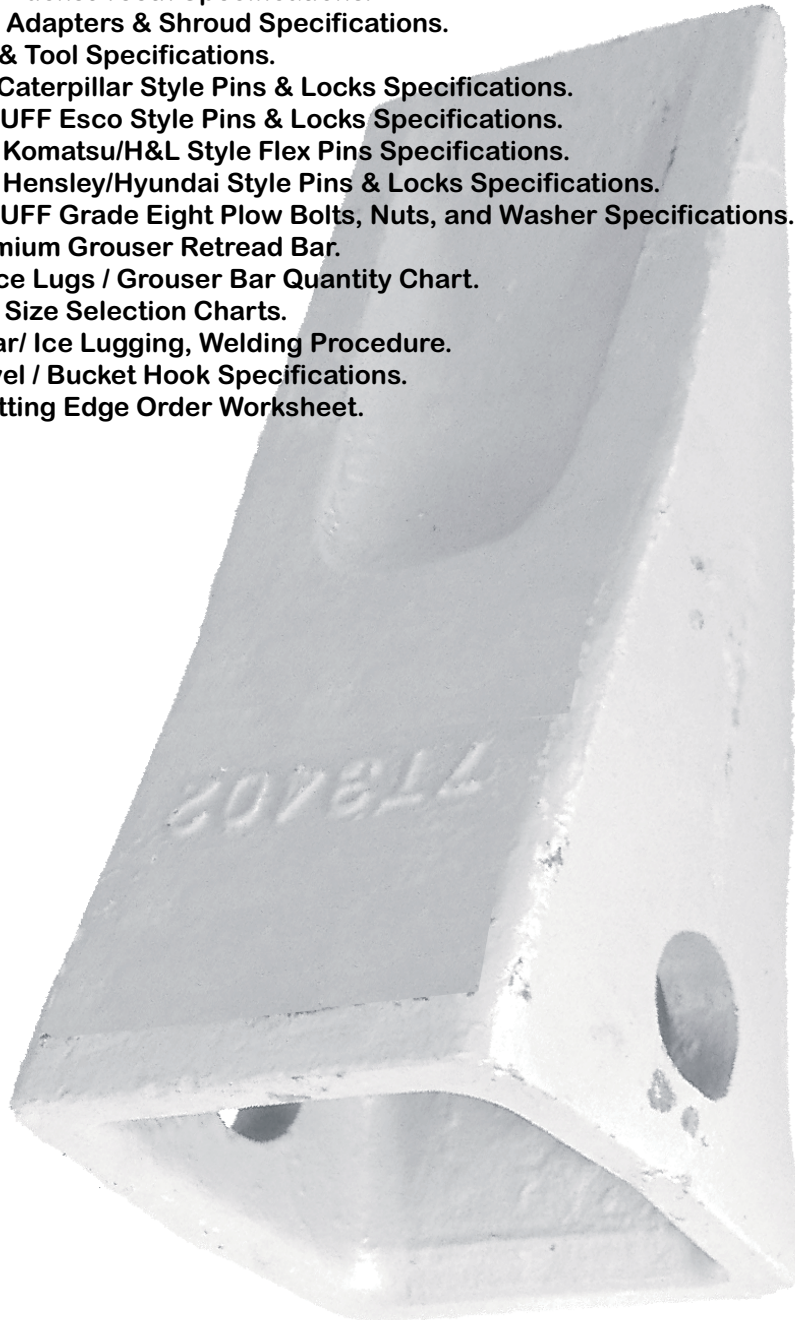
- Pg 2.) Warranty Information, Table of Contents.
- Pg 3.) Table of Contents.
- Pg 4.) Table of Contents.
- Pg 5.) How to identify common styles of Bucket Teeth.
- Pg 6.) Bucket tooth Conversion Chart.
- Pg 7.) How to identify common styles of Cutting Edges.
- Pg 8.) General Excavator Edge Applications.
- Pg 9.) Caterpillar Excavator Tooth Applications.
- Pg 10.) Caterpillar Loader Tooth Applications.
- Pg 11,12) Caterpillar Loader Edge Applications.
- Pg 13.) Pin On Bucket Shroud Applications.
- Pg 14.) Caterpillar Loader Bolt-On Half Arrow Applications.
- Pg 15.) Caterpillar Ripper & Scarifier Applications.
- Pg 16-18) Caterpillar Bulldozer Cutting Edge Applications.
- Pg 19.) Caterpillar Grader Cutting Edge Applications.
- Pg 20.) General Grader Cutting Edge Applications.
- Pg 21.) Caterpillar Compactor Applications.

Table of Contents

Pg 22.) Hitachi/Komatsu Excavator & Loader Tooth Applications.
Pg 23.) Komatsu Loader Edge Applications.
Pg 24-27.) Komatsu Dozer Edge Applications.
Pg 28.) Komatsu Ripper Applications.
Pg 29.) Komatsu Grader Cutting Edge Applications.
Pg 30.) Komatsu Grader Cutting Edge Cross Reference.
Pg 31.) New Holland / Fiat / Allis / Ford Applications.
Pg 32.) John Deere Tooth Applications.
Pg 33-34.) John Deere Loader Edge Applications.
Pg 35-36.) John Deere Dozer Edge Applications.
Pg 37-38.) John Deere Grader Cutting Edge Applications / Cross Reference.
Pg 39.) Kobelco Excavator Tooth Applications / Case Tooth Applications.
Pg 40-41.) Case Loader/Backhoe Edge Applications.
Pg 42-43.) Case Dozer Edge Application.
Pg 44.) Volvo / Samsung Tooth Applications.
Pg 45.) Volvo Loader Edge Applications.
Pg 46.) Bobcat Tooth & Adapter Assemblies.
Pg 47.) Skidsteer Edge Applications.
Pg 48.) Pre-Welded Adapter / Base Edge Application / Ground Condition Classifications Table.
Pg 49.) The Combi Parts System.
Pg 50.) Combi Excavator Fit Reference Chart / Combi Loader Fit Reference Chart.
Pg 51.) Combi Excavator Tooth & Wear Edge Profiles.
Pg 52.) Combi Loader Tooth & wear Edge Profiles.
Pg 53.) Italicambi Cutting Edge Profiles.
Pg 54.) PRO-TUFF Bucket Tooth Profiles.
Pg 55.) PRO-TUFF Bucket Adapter Profiles.
Pg 56.) PRO-TUFF Ripper Product Profiles.
Pg 57-59.) PRO-TUFF Caterpillar Style Bucket Teeth specs.
Pg 60-61.) PRO-TUFF Caterpillar Style Adapters Specifications.
Pg 62-71.) Caterpillar Style Cutting Edge Specifications.
Pg 72.) PRO-TUFF Caterpillar Style Bolt-On Half arrow Specifications.
Pg 73-75.) Caterpillar Style Bulldozer End Bit Specs.
Pg 76.) Caterpillar Style Grader Overlay & End Bit Specifications.
Pg 77.) PRO-TUFF Caterpillar Style Ripper Teeth Specifications.
Pg 78.) PRO-TUFF Caterpillar Style Ripper Shanks.
Pg 79.) PRO-TUFF Caterpillar Style Compactor/Vertical Wear Shrouds, Parts Specifications.
Pg 80.) PRO-TUFF Esco Conical Style Teeth Specifications.
Pg 81.) PRO-TUFF Esco Helilok/Vertalok Style Teeth Specifications.
Pg 82.) PRO-TUFF Esco Style Adapters / Ripper Teeth, Specifications.
Pg 83.) PRO-TUFF Komatsu Style Teeth / Adapters, Specifications.
Pg 84.) PRO-TUFF Komatsu Style Ripper Teeth Specs / Komatsu Style Cutting Edge Specs.
Pg 84-88.) Komatsu Style Cutting Edge Specifications.
Pg 89-90.) Komatsu Style Bulldozer End Bit Specifications.
Pg 91.) Komatsu Style Grader Overlay & End Bit Specs./ PRO-TUFF H&L Style Teeth Specifications.
Pg 92.) PRO-TUFF H&L Style Adapters.
Pg 93-97.) PRO-TUFF H&L Style Teeth Specifications/ Case Style Cutting Edge Specifications.
Pg 98.) Case Style Bulldozer End Bit Specifications.
Pg 99.) PRO-TUFF John Deere Style Teeth.
Pg 99-103.) PRO-TUFF John Deere Style Cutting Edge Specifications.
Pg 104.) John Deere Style Bulldozer End Bits Specifications.
Pg 105.) John Deere Style Grader Overlay & End Bit Specifications.
Pg 105.) PRO-TUFF Ateco Style Ripper Teeth Specifications.
Pg 106.) PRO-TUFF Hensley Parabolic Style Teeth Specifications.
Pg 107.) PRO-TUFF Hensley Parabolic Style Adapter Specifications.
Pg 108.) PRO-TUFF Adco Style frost Teeth/Adapter Specifications.

Table of Contents

Pg 109.) PRO-TUFF Vertical Wear Shrouds Specs / PRO-TUFF Hyundai Style Teeth Specifications.
Pg 109.) PRO-TUFF Hyundai Style Adapter Specifications.
Pg 110.) Volvo Style Cutting Edge Specifications.
Pg 111-112.) Skidsteer Cutting Edge Specifications.
Pg 113-114.) General Excavator Cutting Edge Specifications.
Pg 115.) Stocked Bulk Material Cutting Edge Specifications.
Pg 116-117.) Combi Bucket Teeth Specifications.
Pg 118-119.) Combi Adapters & Shroud Specifications.
Pg 120.) Combi Pin & Tool Specifications.
Pg 121.) PRO-TUFF Caterpillar Style Pins & Locks Specifications.
Pg 122-123.) PRO-TUFF Esco Style Pins & Locks Specifications.
Pg 124.) PRO-TUFF Komatsu/H&L Style Flex Pins Specifications.
Pg 125.) PRO-TUFF Hensley/Hyundai Style Pins & Locks Specifications.
Pg 126-127.) PRO-TUFF Grade Eight Plow Bolts, Nuts, and Washer Specifications.
Pg 128.) Butler Premium Grouser Retread Bar.
Pg 129.) Standard Ice Lugs / Grouser Bar Quantity Chart.
Pg 130.) Suggested Size Selection Charts.
Pg 131.) Grouser Bar/ Ice Lugging, Welding Procedure.
Pg 132.) Track Shovel / Bucket Hook Specifications.
Pg 133.) Bluejay Cutting Edge Order Worksheet.



How to Identify Common Styles of Bucket Teeth

CATERPILLAR STYLE



Caterpillar Style Teeth are most commonly identified by the round side pin hole in the tooth. The locking system is usually a two piece steel pin and steel or sleeved retainer. The retainer is a lock washer that is recessed into the adapter.

ESCO CONICAL STYLE



Esco Conical Style Teeth are usually identified by the rectangular top pin hole in the tooth. The locking system is usually a two piece steel pin and rubber lock. The lock is set inside the nose of the adapter and then the tooth is put on and steel pin driven into the top of the tooth.

ESCO HELI/VERTILOK STYLE



Esco Heli/Vertalock Teeth are usually identified by the lack of any pin holes in the tooth, however there are 2 outside "ears" on the pocket of the tooth. Helilok is a one piece horseshoe shaped pin/lock system and the Vertalok is a two piece Pin & Plug system.

COMBI STYLE



Combi or "C-LOCK" Style Teeth are a side pin tooth and adapter type system. The tooth is missing a large portion of the bottom pocket and has internal ears that hold it in place. The locking system is usually a one piece steel pin with a large rubber flex in the middle of the pin.

KOMATSU STYLE



Komatsu teeth are usually identified by the round side pin hole in the tooth. The locking system is usually a one piece steel pin with a steel snap ring in the center of the pin.

HENSLEY PARABOLIC STYLE



Hensley Style Teeth are usually identified by the rectangular or round top pin holes in the tooth. The locking system is a one piece steel/rubber flex pin or all steel pin. The small teeth use a round steel roll pin. There are some rare side pin Hensley style teeth.

H & L STYLE



H&L Style Teeth are most commonly identified by the oblong side pin hole in the tooth. The locking system is usually a one piece steel/rubber flex pin. There are some uncommon top pin H&L Teeth. They use the same style of pin system.

BOFORS STYLE



Bofors or "B-LOCK" Style Teeth are usually identified by the one piece tooth system that is locked into place on the bucket edge, with the use of a guard. The locking system is usually a one piece steel pin with a large rubber flex in the middle of the pin.

How to Identify Common Styles of Ripper Teeth

CATERPILLAR STYLE



Caterpillar Style ripper teeth are identified by the vertically oblong holes. They use a steel round pin that has a snap ring in the middle of the pin.

ESCO STYLE



Esco Style ripper teeth are identified by the ears protruding from the side on the pocket. There is a round hole in the ear to allow for the steel pin & rubber bushing locking system.

H & L STYLE



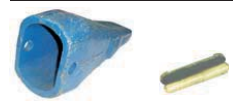
H&L Style ripper teeth look similar to their bucket teeth with the side oblong hole and standard square box. For the locking system they use a steel/rubber flex pin.

KOMATSU STYLE



The Komatsu Style ripper tooth is easily mistaken for Cat Style. It uses the same style of steel pin w/snap ring locking system. The only minor difference is a round pin hole on the side.

ATECO STYLE



Smaller Ateco Style ripper teeth have a std. style pocket that usually very tall. The larger teeth have a easily identifiable rounded pocket. They both use a one piece steel/rubber flex pin.

HOW TO IDENTIFY MOST CATERPILLAR TEETH

The first three digits of a Caterpillar part number usually don't mean much. However the 4th & 5th tell you the Family the tooth belongs to. The 6th digit may describe the profile. Sometimes there are 7th & 8th digits to describe the manufacturer or the profile.

EG - 1U3202RC - Belongs to the J200 Family, and is a Standard Long tooth with a Rock Chisel profile.

The family that the tooth belongs to also is the pocket size - the J200 Family have a 2.0" wide pocket., the J350 all have a 3.5" pocket.

Possible Profile/Manufacturer Alphanumeric Cross Reference

Possible Profile Numeric Number Cross Reference

- 1 - Short
- 2 - Long, HD Long, Standard
- 3 - Abrasion, HD Abrasion
- 8 - Sharp
- 9 - Penetration
- 0 - Flared / Wide

- A - Abrasion
- C - Standard/Offshore
- E - Extra
- F - Fabricated
- H - Heavy
- HX - Hensley
- I - Impact
- L - Long
- LP - Long
- M - MTG
- P - Penetrator
- R - Rock
- RDX - Rock Chisel
- RC - Rock Chisel
- RE - Rock Exploder
- RP - Rock Abrasion
- RP2 - Rock Abrasion
- S - Standard
- SX - Sungbo
- RP3 - HD Rock Abrasion
- SYL - Flat Penetrator
- SP - Standard
- ST - Star
- TT - Twin Tiger
- T - Tiger
- TVIP - Twin Tiger
- WT - Twin Tiger
- W - Vector
- VIP - Tiger

The above may be used in combination with each other (IE MA = MTG Abrasion)

Bucket Tooth Conversion Chart

Below is a conversion chart to show equivalent sizes in the most common OEM and parabolic manufacturers. This chart does not indicate that all of the products are for sale and is intended for reference purposes only. If you are unsure of any of cross overs please feel free to contact your Bluejay Sales representative at any time.

CAT		COMBI	BOFORS	ESCO		H&L	MTG	KOMATSU		HENSLEY	
J SERIES	K SERIES	C-LOCK	B-LOCK	CONICAL	HELILOCK VERTALOK	SIDE FLEX PIN	KINGMET	SIDE PIN	K-MAX	PARABOLICS	XS
		MINI / MIDI				2AF	MG5				04
J200 1U3202		C0	B0	18	17	230	MG8	WB (20X-)		X156	05
J220 6Y3222		C0	B1	25	19	240	MG10			X160 X162	10
J250 1U3252		C1	B2	30	21	250	MG15		15	X220 X225	15
J300 1U3302	K80	C2		35	27	270	MG20	200 (205-)	20	X290 X310	20
J350 1U3352	K90	C3	B3	40		31	MG30		25	X330	25
J400 7T3402	K100	C3.5		45	37		MG40	300 (207-)	30	X370 X400	30
J460 9W8452	K110	C4	B4	50	47	32	MG55	400 (208-)	40	X410	40
J550 9W8552	K130			55	57	33	MG65		50	X450 X475	50
J600 6I6602	K150	C5	B5	65			MG80	650 (209-)	70	X500	50
J700 4T4702	K170			70	67		MG125		85	X550 X600	85
J800 6I8802		C6					MG200	1000 (21N-)			115

This catalogue is intended as a General Reference. Should you have a product that is different or is not listed in this catalogue, or need more information on any of our products, please contact a Bluejay customer service representative

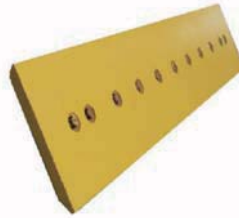
How to Identify Common Styles of Cutting Edges

SINGLE BEVEL FLAT



Single Bevel Flat is most commonly weld on material for cutting edges as it is non-reversible. Holes can be drilled in for specific applications. Material is also used for base edges with and without holes. Found on Loader and Excavator buckets.

DOUBLE BEVEL FLAT



Double Bevel Flat material is almost always used as a bolt-on cutting edge. Holes drilled in the center for reversible edges are usually found on Excavators, Loaders, and Dozers. Holes at the top are non-reversible and commonly found on Graders. Weld-on versions are also available.

DOUBLE BEVEL CURVED



Double Bevel Curved usually has holes drilled in the top of the blade. This material is almost always used in Grader or Plow applications.

SERRATED (ICE)



Serrated or Ice Blades are used for cutting up ice, snow, dirt, or other hard packed material. Serrated blades are available for curved or flat grader blades and flat Excavator edges. Reversible edges may have serrations on one or two sides.

SQUARE EDGE FLAT



Square Edge Flat cutting edges are basically only found on front mounted snow plows or snow blowers. They are almost always bolt-on, either with the holes on the top of the blade or in the middle for a reversible edge.

HALF ARROW



Half Arrow is available in either bolt-on segments or weld-on continuous lengths designed for Loaders or Excavator Buckets.

How to Identify Common Styles of Base Edges

STANDARD (STRAIGHT)



The Standard base edge on Excavators and Loaders is the straight lip. This is the weld-on piece of the bucket that the cutting edges, segments, and/or adaptors, bolt or weld onto. The lip may have round holes drilled in it to accommodate these parts or may be solid to weld on the edge or adaptors.

SPADE NOSE (V LIP)



Spade Nose is a v-shaped base edge designed to give the bucket a sharper angle to cut through hard material more effectively. It is usually designed with drilled round holes to accept segments and/or adaptors. They may be solid to accept weld-on edges or adaptors. Found mainly on Loaders.

SEMI-SPADE (SEMI-V)



The Semi-Spade base edge is designed for conditions where wear and penetration are factors. Commonly found in Rock Quarries and Gravel Pits. Usually designed with round holes to accept edges and/or segments and adaptors. Most common on Front End Loaders.



General Excavator Edge Applications

BUCKET WIDTH/STYLE	BASE EDGE	STD. BOLT ON EDGE	3 PC. BOLT ON EDGE	BOLTS (QTY)
24"	710028	203x19x635DBFH6	N/A	3/4x2-1/4" (X4)
30"	710034	203x19x790DBFH6	N/A	3/4x2-1/4" (X5)
32"	710036	203x19x840DBFH6	N/A	3/4x2-1/2" (X5)
36"	710040	254x25x965DBFH6	N/A	1x3" (X6)
40"	71044	254x25x1065DBFH6	N/A	1x3" (X7)
42"	710046	254x25x1115DBFH6	N/A	1x3" (X7)
48"	710052	254x25x1270DBFH6	JD49050C (1X) & JD49052E (2X)	1x3" (X8)
48" XHD	710052	305x29x1270DBFH6	N/A	1x3-1/2" (X8)
54"	710058	330x25x1422DBFH6	JD49050C (1X) & JD49052E (2X)	1x3-1/2" (X8)
54" XHD	710058	406x29x1422DBFH6	N/A	1x3-1/2" (X10)
60"	710064	330x25x1576DBFH6	JD59062C (1X) & JD59062E (2X)	1x3-1/2" (X11)
60" XHD	710064	406x35x1576DBFH6	JD69062C (1X) & JD69062E (2X)	1x4" (X11)
61"	29194	330x25x1626DBFH6	JD59062C (1X) & JD59062E (2X)	1x3-1/2" (X11)
62"	710066	330x25x1626DBFH6	N/A	1x3-1/2" (X12)
66"	710070	406x29x1728DBFH6	JD89268C (1X) & JD69062E (2X)	1x3-1/2" (X13)
66" XHD	710070	406x35x1728DBFH6	N/A	1x4" (X13)
72"	710076	406x25x1880DBFH6	JD69074C (1X) & JD69074E (2X)	1x3-1/2" (X14)
72" STD or 72" HD	29195	406x25x1880DBFH8	JD89274C (1X) & JD89274E (2X)	1x3-1/2" (X9)
72" XHD	710077	406x35x1880DBFH6	N/A	1x4" (X12)
84" HD	29166	406x29x2185DBFH6	N/A	1x3-1/2" (X14)
84" XHD	29199	406x35x2185DBFH6	N/A	1x4" (X14)



Caterpillar Excavator Tooth Applications

CAT MACHINE MODEL	OTHER OEM EQUIPMENT	BUCKET / STICK TYPE	WELD-ON ADAPTERS CENTER	MAX. LIP THICKNESS	FAMILY	STD. TOOTH	PIN	SLEEVED LOCK
416,426, 428,436	EX60	GP	119-3205 119-3204 8J7525	3/4" 1" 1"	J200	1U3202	9W7112	8E6209
446, E70B		GP	6Y3224	1-1/16"	J220	6Y3222	6Y3228	8E6259
E120, 312	EX100,JD290	GP	6Y3254 3G0169	1-3/16" 2"	J250	1U3252	9J2258	8E6259
205, 206, 212, 214		GP ROCK	3G0169 3G6304	2" 1-5/16"	J250 J300	1U3252 1U3302	9J2258 9J2308	8E6259
213B, 214B, 224, 315		GP	3G6304	1-5/16"	J300	1U3302	9J2308	8E6259
215, E220 E180, 320C, 322CL, 325CL	EX160,JD490, 590	GP ROCK	3G6304 6I6354	1-5/16" 1-11/16"	J300 J350	1U3302 1U3352	9J2308 9J2358	8E6259 8E6359
225, 227, 229	EX200, 690, 790, 890	MX ROCK	6I6354 8E6464HD	1-11/16" 2"	J350 J460	1U3352 9W8452	9J2358 8E0468	8E6359 8E8469
E240, EL240, 322, 325, 325L		LONG ST STD ST SHRT ST	3G6304 6I6354 8E6464HD	1-5/16" 1-11/16" 2"	J300 J350 J460	1U3302 1U3352 9W8452	9J2308 9J2358 8E0468	8E6259 8E6359 8E8469
330, 330L, 330CL,320ME		ROCK	6I6404	1-7/8"	J400	7T3402	7T3408	8E8409
320, 320L, 345BL		LONG ST STD ST SHRT ST	6I6404 8E6464HD 6I6554	1-7/8" 2" 2-9/16"	J400 J460 J550	7T3402 9W8452 9W8552	7T3408 8E0468 1U1558	8E8409 8E8469 8E5559
235, EL300	EX300, 990	GP/ROCK	8E6464HD	2"	J460	9W8452	8E0468	8E8469
350, 350L	EX400	GP ROCK	8E6464HD 6I6554	2" 2-9/16"	J460 J550	9W8452 9W8552	8E0468 1U1558	8E8469 8E5559
245, 365B	EX500	GP/ROCK	6I6554	2-9/16"	J550	9W8552	1U1558	8E5559



Caterpillar Loader Tooth Applications

CAT MACHINE MODEL	BOLT-ON CENTER ADAPTER	BOLT-ON CORNER ADAPTER	MAX. LIP THICKNESS	FAMILY	STD. TOOTH	PIN	SLEEVED LOCK
416, 426, 428, 436, 910, 931	9J4207	1U2208/1U2209	7/8"	J200	1U3202	9W7112	8E6209
IT18 IT26 IT28916, 926, 930, 936, 941, 951, 953	1U0257	3G4258/3G4259	1-1/16"	J250	1U3252	9J2258	8E6259
950, 951C 953C	1U0307	3G4308/3G4309	1-1/16"	J300	1U3302	9J2308	8E6259
950B, 955L, 963	4T4307	3G4308/3G4309	1-5/16"	J300	1U3302	9J2308	8E6259
966, 966C	3G9307	3G8308/3G8309	1-5/16"	J300	1U3302	9J2308	8E6259
966D,E,F, 970, 973, 977L, 980	3G3357	3G5358/3G5359	1-11/16"	J350	1U3352	9J2358	8E6359
980B, 980C, 980F	1U1357	1U1358/1U1359	1-13/16"	J350	1U3352	9J2358	8E6359
980G	6I9898	6I8243/6I8244	1-13/16"	J400	7T3402	7T3408	8E8409

CAT MACHINE MODEL	WELD-ON FLUSH MOUNT ADAPTER	WELD-ON SPADE NOSE DOUBLE LEG ADAPTER	MAX. LIP THICKNESS	FAMILY	STD. TOOTH	PIN	SLEEVED LOCK
416, 426, 428, 436, 910, 931	4T1204	2740-416	1-3/32"	J200	1U3202	9W7112	8E6209
IT18, IT26, IT28, 916, 926	1U1254	N/A	1"	J250	1U3252	9J2258	8E6259
944, 950, 951C, 955L, 963, 966C	1U1304	N/A	1-1/16"	J300	1U3302	9J2398	8E6259
966D,E,F, 970, 973, 977L, 980,B,C	1U1354	N/A	1-1/2"	J350	1U3352	9J2358	8E6359
980F,G, 983, 988,B	8E0464	114-0464	2-1/8"	J460	9W8452	8E0468	8E8469
992, 992C	3G9494	107-3554	2-5/8"	J550	9W8552	1U1558	8E5559

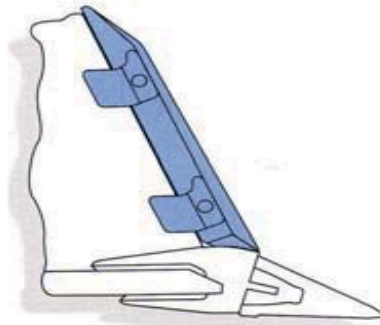
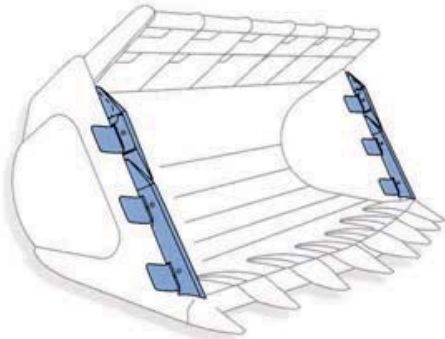


Caterpillar Loader Edge Applications

CAT MACHINE MODEL	BUCKET STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER	BOLT ON ENDS	BOLT ON SEGMENTS	BOLT SIZE
416, 426, 428, 436	Loader (front)	9R4672 9R5313	89-1/16" 94-3/8"	8 15	9W8215 (X2) 4T8077 (X1)	N/A	N/A	5/8"X2-1/4"
IT12, IT18, IT26, IT28, 916 924F 926	Gen Purpose	5V4670 9V6572 8V7214	93-1/2" 93-1/4" 94-3/8"	10 24 10	1U0295 (X2)	4T8091 (X2)	N/A 4T6694 (X7) N/A	1"X3"
910	Gen Purpose	5G2809 6S6500 5G3085	81-7/8" 84-3/4" 84-3/4"	7 7 19	4T8796 (X1) 4T2920 (X1) 4T2913 (X1)	4T2914 (X2) 4T2918 (X2) 4T2914 (X2)	N/A N/A 7T8935 (X6)	3/4"X2-1/4"
920, 930	Gen Purpose	6W2984 8K8161	94-7/8" 96"	24 9	1U0607 (X2) 1U1465 (X1)	4T8091 (X2) 1U1464 (X2)	4T6694 (X5)** N/A	1"X3"
931, 935	Gen Purpose	5G2808 6S6501 5G8467 6S6500 5G3477	72" 74-3/4" 76-3/4" 84-3/4" 91-3/4"	8 6 8 7 7	4T2911 (X1) 4T2919 (X2) 9W9943 (X1) 4T2920 (X1) 4T2915 (X1)	4T2910 (X2) N/A 9W9944 (X2) 4T2918 (X2) 4T2914 (X2)	N/A N/A N/A N/A N/A	3/4"X2-1/4"
936E, 936F, 938F	Gen Purpose	6W2985 8V1825 8V7619	103-7/8" 104" 104-7/8"	24 10 10	1U0292 (X2)	4T8091 (X2)	4T6695 (X7) N/A N/A	1"X3"
941, 951, 953	Gen Purpose	5V4673 6W2977 8K6452 9V6572 5V4670	79-1/2" 79-1/2" 80-1/4" 93-1/4" 93-1/2"	10 24 8 24 10	1U0605 (X2) 1U0605 (X2) 1U1467 (X2) 1U0295 (X2) 1U0295 (X2)	4T8091 (X2) 4T8091 (X2) N/A 4T8091 (X2) 4T8091 (X2)	4T6691 (X7) N/A N/A 4T6994 (X7) N/A	1"X3"
943, 953	Gen Purpose	4V8335 9V6571 4V8850 9V6570	81-3/4" 81-3/4" 86-3/4" 86-7/8"	10 24 8 24	1U0294 (X2) 1U0294 (X2) 1U0293 (X2) 1U0293 (X2)	4T8091 (X2) 4T8091 (X2) 4T8091 (X2) 4T8091 (X2)	N/A 4T6691 (X7) N/A 4T6992 (X7)	1"X3"
944, 950	Gen Purpose	8K8161 5V7277 6W2986 6W2987 5V7525 6W2988 8K8162	96" 95" 95" 103-1/16" 103-7/8" 103-7/8" 105-7/8"	9 12 26 12 12 26 10	1U1465 (X2) 1U2414 (X2) 1U2414 (X2) 1U2412 (X2) 1U2413 (X2) 1U2413 (X2) 1U1470 (X1)	1U1464 (X2) 4T8101 (X2) 4T8101 (X2) 4T8101 (X2) 4T8101 (X2) 4T8101 (X2) 1U1469 (X2)	N/A N/A 4T6694 (X5)** 4T6694 (X5)** N/A 4T6694 (X5)** N/A	1"X3"

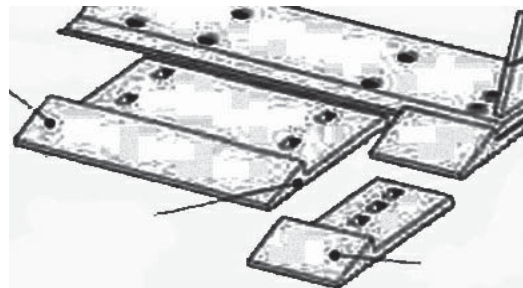
CAT MACHINE MODEL	BUCKET STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER	BOLT ON ENDS	BOLT ON SEGMENTS (use w/ Teeth)	BOLT SIZE
950B, 950E, 950F	Gen Purpose	5V4696 9V6573 5V7410	107-3/4" 107-3/4" 108-1/16"	12 26 12	1U0601 (X2) 1U0601 (X2) 1U0601 (X2)	4T8101 (X2) 4T8101 (X2) 4T8101 (X2)	N/A 4T6695 (X7) N/A	1"X3"
950B, 950E, 950F, 960F	Rock	6W2973	110-3/4"	20	7T5963(X1) & 7T5962(X1) & 7T5961(X1)	7T5960(X1) & 7T5964(X1)	N/A	1-1/4"X4"
955	Gen Purpose	5V7262 8K7524 6W2978 5V7263	88-1/8" 88-1/2" 89" 95-3/4"	12 8 26 12	1U2410 (X2) 1U1471 (X2) 1U2410 (X2) 1U2411 (X2)	4T8101 (X2) N/A 4T8101 (X2) 4T8101 (X2)	N/A N/A 4T6692 (X7) N/A	1"X3"
963	Gen Purpose	4V4958 6W2979 4V3174 6W2980	89-3/8" 89-9/16" 97-3/8" 97-1/2"	12 26 12 26	1U0599 (X2) 1U0599 (X2) 1U0600 (X2) 1U0600 (X2)	4T8101 (X2) 4T8101 (X2) 4T8101 (X2) 4T8101 (X2)	N/A 4T6692 (X5)** N/A 4T6694 (X7)	1"X3"
966C	Gen Purpose	6W2989 7V0904 6W2990 6W2979 8K9754	111-7/8" 112-1/2" 112-1/2" 115" 115"	26 12 26 16 26	1U2407 (X2) 1U2406 (X2) 1U2406 (X2) 1U1476 (X1) 1U2407 (X2)	3G6395 (X2) 3G6395 (X2) 3G6395 (X2) 1U1475 (X2) 3G6395 (X2)	4T6698 (X7) N/A 4T6698 (X7) N/A N/A	1-1/4"X4-1/8"
966D, 966E, 966F	Gen Purpose	7V6844 7V1490 9V6575	114-3/4" 119-3/4" 119-3/4"	12 12 26	1U1909 (X2) 1U0593 (X2) 1U0593 (X2)	3G6395 (X2) 3G6395 (X2) 3G6395 (X2)	N/A N/A 4T6699 (X7)	1-1/4"X4-1/8"
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)	1-1/4"X4-1/8"
970	Gen Purpose	9V6575 7I3015	119-3/4" 125-3/4"	26 26	1U0593 (X2) 1006668 (X2)	3G6395 (X2) 3G6395 (X2)	4T6699 (X7) 1006666 (X7)	1-1/4"X4-1/8"
973	Gen Purpose	5V0600 6W2982 5G7303 6W2981	102-1/2" 102-5/8" 106-3/8" 112-1/4"	12 26 12 26	1U0591 (X2) 1U0591 (X2) 9W8334 (X2) 1U0592 (X2)	3G6395 (X2) 3G6395 (X2) 3G6395 (X2) 3G6395 (X2)	N/A 4T6697 (X7) N/A 4T6698 (X7)	1-1/4"X4-1/8"
973	Rock	6W2994	106-1/2"	16	9W3676 (X1)	9W3677(X1) & 9W3678(X1)	4T3015 (X2) & 4T9123 (X1) & 4T9124 (X1)	1-1/4"X4-1/8"
977	Gen Purpose	7V0906 6W2983 8K9499 7V0898	95-3/4" 95-3/4" 98" 111"	12 26 14 12	1U2408 (X2) 1U2408 (X2) 1U1478 (X1) 1U2409 (X2)	3G6395 (X2) 3G6395 (X2) 1U1479 (X1) 3G6395 (X2)	N/A 4T6696 (X7) N/A N/A	1-1/4"X4-1/8" 1-1/4"X4-1/8" 1"X3" 1-1/4"X4-1/8"
980, 980B	Gen Purpose	6W2991 9K1619	125-1/8" 128-3/4"	26 16	4T5273 (X2) 4T6594 (X1)	1U0761 (X2) 4T6592 (X2)	4T6700 (X7) N/A	1-1/4"X4-1/8" 1"X3-1/2"
980, 980B, 980C, 980F	Rock	9V3561	132-3/4"	35	4T7141 (X1) & 4T7144 (X1) & 4T7145 (X1)	4T7142 (X1) & 4T7143 (X1)	4T3015 (X1) & 4T7139 (X3) 4T7140 (X3)	1-1/4"X4-1/8"

CAT MACHINE MODEL	BUCKET STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER	BOLT ON ENDS	BOLT ON SEGMENTS (use w/Teeth)	BOLT SIZE
980C, 980F	Gen Purpose	9V6574 7V4188	130-1/2" 130-7/8"	26 12	1U0762 (X2) 1U0762 (X2)	1U0761 (X2) 1U0761 (X2)	N/A 4T6700 (X7)	1-1/4"X4-1/8"
988, 988B	Gen Purpose	3V0187 4E6085	143-1/2" 143-1/2"	18 26	4T6588 (X3) 9W1375 (X2)	N/A 1U0761 (X2)	N/A 4T6700 (X7)	1-1/4"X4-1/8"
988, 988B	Rock	8R4649	143-1/2"	47	9W5733 (X1) & 9W5731 (X1) & 9W5736 (X1)	9W5732 (X1) & 9W5735 (X1)	9W5734 (X1) & 9W5737 (X3) & 9W5730 (X3)	1-1/4"X4-1/8"
988, 988B	Rock	9C2932	143-1/2"	35	9W8250 (X1)	9W8249 (X2)	9W5734 (X7)	1-1/4"X4-1/8"
988F	Rock	4E7616	148-1/2"	42	1019350 (X1)	1019351 (X1) & 1019352 (X1)	1019435 (X3) & 1019436 (X1) & 1019437 (X1)	1-1/4"X4-1/8"
990	Rock	4E9915	175-1/4"	48	1016420 (X1) & 1016422 (X1) & 1016423 (X1)	1016421 (X1) & 1016424 (X1)	4T6760 (X1) & 4T6761 (X3) 4T6762 (X3)	1-1/4"X4-1/8"
992C, 992D	Rock	9V3570	187"	26	N/A	N/A	4T6760 (X1) & 4T6761 (X3) 4T6762 (X3)	1-1/4"X4-1/8"
994	Rock	8X0809	224-1/2"	40	N/A	N/A	8E3157 (X2) & 8E3158 (X3) & 8E3159 (X3)	1-1/4"X4-1/2"
994	Rock	1016776	244-7/8"	40	N/A	N/A	8E3157 (X8)	1-1/4"X4-1/2"



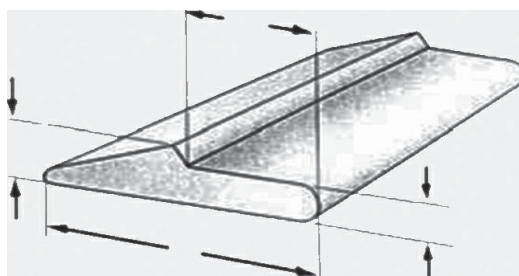
Pin On Bucket Shroud Applications

FRONT SHOVEL WEIGHT	LOADER CU. YARDS	VERTICAL SHROUD	WELDMENTS (*INTERCHANGEABLE)	MAX. BUCKET WALL MAT	LOWER FASTENERS	UPPER FASTENERS
Up to 60,000 (lbs)	Up to 6	VS410	VS410MNA (UP) VS410MNB (DN)	1.0"	N/A	EMI-004 (PLUG) EMP-003 (PIN)
70,000 - 150,000 (lbs)	6-8	VS450	VSM100WN (X2)*	1.0"	EMI-004 (PLUG) EMP-003 (PIN)	EMI-004 (PLUG) EMP-003 (PIN)
175,000 - 350,000 (lbs)	9-15	VS500	VSM150WN (X2)*	1.5"	EMI-004 (PLUG) VS272SP (PIN)	VSR3 (PLUG) VSP3 (PIN)



Caterpillar Loader Bolt-On Half Arrow Applications

CAT MACHINE MODEL	LENGTH OF LIP	WELD-ON BASE EDGE	BOLT-ON CENTER EDGE (QTY)	BOLT-ON END EDGE (QTY)	GRADE 8 PLOW BOLT (QTY)	GRADE 8 PLOW NUT (QTY)
966, 970	119"	9V6575	1U0593NR (3)	3G6395LNR (1) 3G6395RNR (1)	1-1/4" X 4" (18)	1-1/4" (18)
970	126"	7I3015	100-6668NR (3)	3G6395LNR (1) 3G6395RNR (1)	1-1/4" X 4" (18)	1-1/4" (18)
980	130"	9V6574	1U0762NR (3)	1U0761NR (2)	1-1/4" X 4" (18)	1-1/4" (18)
980 (W/Teeth)	130"	9V6574	113-3140C (1)	113-3141R (3) 113-3142L (3)	1-1/4" X 4" (14)	1-1/4" (14)
980	134"	111-9770	109-9212NR (3)	1U0761NR (2)	1-1/4" X 4" (18)	1-1/4" (18)
980G/988B (W/Teeth)	143"	8R4649	9W5734NRC (1)	9W5730NRL (3) 9W5737NRR (3)	1-1/4" X 4" (21)	1-1/4" (21)
988F (W/Teeth)	148"	4E7616	101-9435C (3)	101-9436R (2) 101-9437L (2)	1-1/4" X 4" (21)	1-1/4" (21)
990/992 (W/Teeth)			109-2675C (1)	109-2676R (3) 109-2677L (3)	1-1/4" X 4" (28)	1-1/4" (28)



Loader Weld-On Half Arrow Application & Spec's

MACHINE SIZE	LOADER CU. YARDS	PART NUMBER	LENGTHS	A	B	C	D
Up to 10,000 (lbs)	Up to 2	HA122404	UP TO 10 FEET	3/8"	4"	3/4"	2"
10,000 - 25,000	2-4	HA204006	UP TO 10 FEET	5/8"	6"	1-1/4"	3"
25,000 - 60,000	3-6	HA244008	UP TO 10 FEET	3/4"	8"	1-1/4"	4"
60,000 - 100,000	5-9	HA367210	UP TO 12 FEET	1-1/8"	10"	2-1/4"	5"
100,000 - 220,000	9-20	HA528810	UP TO 14 FEET	1-5/8"	10"	2-3/4"	5"



Caterpillar Ripper & Scarifier Applications

CAT MACHINE MODEL	SCARIFIER SHANK / TOOTH	RIPPER SHANK SINGLE (SS) MULTI (MS)	WELD-ON NOSE (WN) SEGMENT (SG)	SHANK GUARD	CENTER-LINE TOOTH	PENETRATION NON CENTER-LINE TOOTH	PIN	LOCK
D3, 931		8J5299 (SS)	8J7525WN		1U3202	1U3209	9W7112	4T0001
943, 953		1U1257 (SS)	9J4254WN		1U3252	1U3252T	9J2258	3G9609
12, 12G, 14, 14G, 120, 130, 140	9F5124 / 2D5572	9J6586 (SS)				6Y0309	9J6583	1U2405
16G, D5, D6, D7, 973, 977		9J3139 (SS)			6Y0352	6Y0359	9J2358	1U2405
D7H, 983		9W7382 (SS)	9W7488WN		6Y0352	6Y0359	9J2358	1U2405
D8		7J1792 (SS) 7J1795 (MS)	8E8418SG	6J8814	9W2452, 4T4453	9W2452A, 4T5452	6Y3394	8E5559
D8L		4T0315 (SS) 4T0136 (MS)	8E8418SG	6J8814	9W2452, 4T4453	9W2452A, 4T5452	6Y3394	8E5559
D8N, D8R		4T8989 (SS) 4T8990 (MS)	4T9776WN 7J1791SG	6J8814	9W2452, 4T4453	9W2452A, 4T5452	4T2479	N/A
D9, D9N, D9R		9W6167 (SS) 4T8990 (MS)	4T9776WN 7J1791SG	6J8814	9W2452, 4T4453	9W2452A, 4T5452	4T2479	N/A
D9L, D10N, D10R, D11MS		6Y6138 (SS) 6Y6141 (MS)	1U3630SG	1U3644	4T4503	9W2452A, 4T5452	6Y3909 3G0500	4T4707 N/A
D11N		6Y5616 (MS)	9W9695SG	6Y9704	4T4503	4T5502	6Y3909 3G0500	4T4707 N/A
D11SS		8E0467 (SS) 8E1466 (MS)	6Y9473SG	9N4521	9W4551	6Y3552	6Y2443	N/A



Caterpillar Bulldozer Cutting Edge Applications

CAT MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	HD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D3, D3A, D3B	3P	4T6231 (X1) & 4T6230 (X2)	5/8"X2-1/4" (X19)	N/A	N/A	4T6229 (X2)	5/8"X2-1/4" (X6)
D3C	Super SLGP	4T6230 (X2)	5/8"X2-1/4" (X12)	N/A	N/A	4T6229 (X2)	5/8"X2-1/4" (X6)
D3C, D4C	3P, 4P	4T6230 (X2)	5/8"X2-1/4" (X12)	N/A	N/A	4T6229 (X2) or 6Y5839 & 6Y5840	5/8"X2-1/4" (X6)
D3C, D4C	3P-LGP, 4P-LGP	4T6232 (X2)	5/8"X2-1/4" (X16)	N/A	N/A	4T6229 (X2) or 6Y5839 & 6Y5840	5/8"X2-1/4" (X6)
D4	4A	4T2979 (X1) or 4T2981 (X1) or 4T2977 (X1)	5/8X2" (X13)	5A4565 & 5A4566	N/A	4T3043 & 4T3044	5/8"X2-1/4" (X6)
D4	4S	4T2977 (X1)	5/8"X2" (X18)	3G8321 & 3G8322	N/A	4T3051 & 4T3052	3/4"X2-1/2" (X12)
D4, D4E	4S	4T2982 (X1)	5/8"X2" (X14)	3G8321 & 3G8322	N/A	4T3051 & 4T3052	3/4"X2-1/2" (X12)
D4C	4S	4T2980 (X1)	5/8"X2" (X15)	3G8321 & 3G8322	N/A	4T3051 & 4T3052	3/4"X2-1/2" (X12)
D4C, D4H	4P-LGP	6Y5842 (X2)	5/8"X2-1/4" (X16)	N/A	N/A	4T6229 (X2) or 6Y5839 & 6Y5840	5/8"X2-1/4" (X6)
D4H	4A, 4P-LGP	4T8940 (X2)	3/4"X2-1/2" (X16)	4T5407 & 4T5408	N/A	3G4285 (X2)	3/4"X2-1/2" (X8)
D4H	4P	3G9306 (X2)	3/4"X2-1/2" (X12)	4T5407 & 4T5408	N/A	3G4285 (X2)	3/4"X2-1/2" (X8)
D5	5A	4T2978(X1)	5/8"X2-1/2" (X24)	3G8295 & 3G8296	N/A	4T3049 & 4T3050	3/4"X2-1/2" (X8)

CAT MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	HD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D5, 815F	5A	4T3004 (X2)	3/4"X2-1/2" (X18)	3G8295 & 3G8296	N/A	4T3041 & 4T3042	3/4"X2-1/2" (X8)
815S		4T3012 (X2)	3/4"X2-1/2" (X20)	3G8319 & 3G8320	N/A	4T3045 & 4T3046	3/4"X2-1/2" (X8)
D5, D5B	5A	4T2978(X1)	5/8"X2-1/2" (X24)	3G8295 & 3G8296	N/A	4T3049 & 4T3050	3/4"X2-1/2" (X8)
D5C, D5H	5P	3G9306 (X2)	3/4"X2-3/4" (X12)	N/A	N/A	8E7078 & 8E7079	3/4"X2-3/4" (X12)
D5H	5P-LPG	4T2315 (X2)	3/4"X2-1/2" (X20)	4T5407 & 4T5408	N/A	3G4285 (X2)	3/4"X2-1/2" (X8)
D5H	5S	3G6062 (X2)	3/4"X2-1/2" (X14)	4T5407 & 4T5408	N/A	3G4285 (X2)	3/4"X2-3/4" (X8)
D6	6A	4T2978 (X2)	5/8"X2-1/2" (X24)	3G8295 & 3G8296	N/A	4T3049 & 4T3050	3/4"X2-1/2" (X12)
D6	6S	4T2977 (X2)	5/8"X2-1/2" (X18)	3G8321& 3G8322	N/A	4T3051 & 4T3052	3/4"X2-1/2" (X12)
D6C	6A	4T3009 (X2)	3/4"X2-1/2" (X20)	3G8297 & 3G8298	9W9010 & 9W9011	4T3041 & 4T3042	3/4"X2-1/2" (X12)
D6H	6A	4T6252 (X3)	3/4"X2-1/2" (X21)	4T4455 & 4T4454	6Y4411 & 6Y4410	4T4435 & 4T4436	3/4"X2-1/2" (X12)
D6H	6A	4T6252 (X3)	3/4"X2-1/2" (X21)	4T4455 & 4T4454	6Y4411 & 6Y4410	4T4435 & 4T4436	3/4"X2-1/2" (X12)
D6H	6A	4T6252 (X3)	3/4"X2-1/2" (X21)	4T4455 & 4T4454	6Y4411 & 6Y4410	4T4435 & 4T4436	3/4"X2-1/2" (X12)
D7	7A	4T2949 (X2)	3/4"X2-3/4" (X30)	3G8314 & 3G8314	N/A	4T6667 & 4T6668	3/4"X4" (X14)
D7E, D7F, D7G	7A	4T2989 (X3)	3/4"X2-3/4" (X21)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
D7F, D7G, 814S	7S	4T2993 (X1) & 4T2992 (X2)	7/8"X2-3/4" (X17)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
D7F, D7G	7U	4T3421 (X1) & 4T3420 (X2)	7/8"X2-3/4" (X19)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
816		4T6531 (X1) & 4T6532 (X2)	7/8"X2-3/4" (X22)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
824S		5J6891 (X2)	7/8"X3" (X20)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
826, 834S, 835		4T6515 (X2)	7/8"X3" (X24)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
834, 835		4T6531 (X1) & 4T6532 (X2)	7/8"X3" (X22)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)

CAT MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	HD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
824S		5J6891 (X2)	7/8"X3" (X20)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
834U		4T8797 (X2) & 4T8798 (X2)	7/8"X3" (X26)	3G8293 & 3G8294	3G8315 & 3G8316	4T6505 & 4T6506	7/8"X3 (X14)
D8	8A	4T2888 (X2)	3/4"X3-1/4" (X32)	3G8313 & 3G8314	N/A	4T6667 & 4T6668	7/8"X3 (X14)
D8	8SU	4T2944 (X2)	3/4"X3-1/4" (X26)	3G8311 & 3G8312	N/A	4T6671 & 4T6672	3/4"X4" (X14)
D8H	8A	4T6532 (X4)	7/8"X3" (X24)	3G8315 & 3G8316	3G8285 & 3G8286	4T6505 & 4T6506	7/8"X3 (X14)
D8H	8U	4T6300 (X1) & 4T6297 (X2)	7/8"X3" (X22)	3G8315 & 3G8316	3G8285 & 3G8286	4T6505 & 4T6506	7/8"X3 (X14)
825		4T6238 (X3)	1"X3-1/4" (X24)	3G8317 & 3G8318	3G8287 & 3G8288	4T6239 & 4T6240	1"X3-1/4 (X14)
D8K	8A	4T2994 (X3)	1"X3-1/4" (X24)	3G8317 & 3G8318	3G8287 & 3G8288	4T6239 & 4T6240	1"X3-1/4 (X14)
D8K	8SU	4T2988 (X3)	1"X3-1/4" (X21)	3G8301 & 3G8302	3G8279 & 3G8280	9W8651 & 9W8652	1"X3-1/4 (X14)
D8K	8U	4T2987 (X2) & 4T2986 (X2)	1"X3-1/4" (X22)	3G8317 & 3G8318	3G8287 & 3G8288	4T6239 & 4T6240	1"X3-1/4 (X14)
D8L	8A	4T2998 (X2) & 4T2987 (X2)	1"X3-1/2" (X26)	3G8317 & 3G8318	3G8287 & 3G8288	4T8089 & 4T8090	1"X3-1/4 (X14)
D8L	8SU	4T9586 (X1) & 6Y5540 (X2)	1"X3-1/4" (X21)	3G8291 & 3G8292	3G8283 & 3G8284	1003135 & 1003136	1"X3-1/2 (X14)
D8N	8SU	4T6381 (X1) & 6Y5540 (X2)	1"X3-1/4" (X19)	8E4193 & 8W4194	8E4537 & 8E4538	4T6239 & 4T6240	1"X3-1/4 (X14)
D8N	8U	9W6092 (X2) & 7T9127 (X2)	1"X3-1/4" (X22)	8E4193 & 8W4194	8E4537 & 8E4538	6Y4277 & 6Y4278	1"X3-1/4 (X14)
D9	9C	4T6450 (X1) & 4T6388 (X2)	1"X3-1/4" (X29)	3G8291 & 3G8292	3G8283 & 3G8284	N/A	1"X3-3/4 (X14)
D9	9SU	4T6448 (X2)	1"X3-1/2" (X20)	3G8289 & 3G8290	3G8281 & 3G8282	N/A	1"X3-3/4 (X14)
D9	9U	4T6453 (X1) & 4T6457 (X2)	1"X3-1/4" (X25)	3G8291 & 3G8292	3G8283 & 3G8284	N/A	1"X3-3/4 (X14)
D9H	9A	4T6388 (X1) & 4T6387 (X2)	1"X3-3/4" (X25)	3G8291 & 3G8292	3G8283 & 3G8284	N/A	1"X3-3/4 (X14)
D9H	9SU	4T6386 (X3)	1"X3-1/2" (X21)	3G8289 & 3G8290	3G8281 & 3G8282	N/A	1"X3-3/4 (X14)

CAT MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	HD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D9H	9U	4T6378 (X1) & 4T6379 (X2)	1"X3-1/2" (X26)	3G8291 & 3G8292	3G8283 & 3G8284	N/A	1"X3-3/4 (X14)
D9N	9SU	6Y5539 (X1) & 6Y5540 (X2)	1"X3-1/2" (X22)	8E4197 & 8E4196	8E4539 & 8E4540	6Y4277 & 6Y4248	1"X3-3/4 (X14)
D9N	9U	6Y5538 (X1) & 6Y5540 (X2)	1"X3-1/2" (X25)	8E4197 & 8E4196	8E4539 & 8E4540	6Y4277 & 6Y4248	1"X3-1/2 (X14)
D10	10U	1U4458 (X3) & 1U4457 (X2)	1-1/4"X4-1/8" (X41)	8E4543 & 8E4544	8E4545 & 8E4546	8E9785 & 8E9786	1-1/4"X4-1/8" (X18)
D10N	10SU	9W6609 (X2) & 9W6608 (X2)	1-1/4"X4-1/8" (X22)	8E4199 & 8E4198	8E4541 & 8E4542	1003131 & 1003132	1-1/4"X4-1/8" (X14)
D10N	10U	9W6615 (X3) & 9W6608 (X2)	1-1/4"X4-1/8" (X25)	8E4199 & 8E4198	8E4541 & 8E4542	1003131 & 1003132	1-1/4"X4-1/8" (X14)
D11N	11SU	9W2426 (X2) & 9W2425 (X2)	1-1/4"X4-1/8" (X36)	8E4543 & 8E4544	8E4545 & 8E4546	8E9785 & 8E9786	1-1/4"X4-1/8" (X18)
D11N	11U	9W2426 (X1) & 9W2425 (X2) & 9W2424 (X2)	1-1/4"X4-1/8" (X45)	8E4543 & 8E4544	8E4545 & 8E4546	8E9785 & 8E9786	1-1/4"X4-1/8" (X18)



Caterpillar Grader Cutting Edge Applications

CAT MACHINE MODEL	SERIAL NUMBER	END BITS	END BIT BOLTS	OVERLAYS	OVERLAY BOLTS
112, 12, 12G, 120,130,140	112(ALL), 12(ALL), 12G(61M1-1715), 120(87V1-6134), 130(74V2293-UP), 140(72V1-9828)	9W2945 (X2) OR 7D2052 (X2)	5/8"X2" (X10) OR 5/8"X2-1/4" (X10)	6D1904 (X2) OR 6D1948 (X2)	5/8"X2" (X10) OR 5/8"X2-1/4" (X10)
12G, 120G, 120H, 130G, 135H, 140G, 140H, 143H	12G(61M11716-UP), 120G(87V08135-UP), 130G(74V02293-UP), 140G(72V09829-UP), 120H, 135H, 140H (8X8011 & 8X8016), 143H,	8E5531 (X2)	5/8"X2-1/4" (X10)	9W1767 (X2) OR 9W1768 (X2)	5/8"X2-1/4" (X16)

CAT MACHINE MODEL	SERIAL NUMBER	END BITS	END BIT BOLTS	OVERLAYS	OVERLAY BOLTS
140H, 143H, 14H, 160H, 163H	1124520 & 1124521, 14H(ALL), 160H(ALL), 163H(ALL)	8E5529 (X2)	3/4"X2-1/4" (X10)	6Y2805 (X2)	3/4"X2-1/4" (X16)
14	ALL	7D2083 (RH) & 7D2084 (LH) OR 8E5529 (X2)	5/8"X2-1/4" (X8) OR 5/8"X2-1/4" (X10)	4D5757 (RH) & 4D5758 (LH)	5/8"X2-1/4" (X10)
14G	96U1-7324, 96U7325-UP	9J4405 (RH) & 9J4406 (LH)	3/4"X2-1/2" (X16)	7D9999 (X2) OR 6Y2805 (X2)	3/4"X2-1/2" (X16)
16	ALL	9J4407 (RH) & 9J4408 (LH)	5/8"X2-1/2" (X8)	7D5193 (X2)	5/8"X2-1/2" (X16)
16G	93U1-2777, 93U2778-UP	9D4881 (LH) & 9D4880 (RH) OR 8E5530 (X2)	3/4"X2-1/2" (X8) OR 3/4"X2-1/2" (X10)	7D9999 (X2) OR 6Y2805 (X2)	3/4"X2-1/2" (X16)
16H	ALL	8E5530 (X2)	3/4"X2-1/2" (X10)	N/A	N/A
212	ALL	9J4411 (X2)	5/8"X2-1/4" (X8)	N/A	N/A
24H	ALL	109-3118 (X2)	1"X3" (X12)	N/A	N/A



General Grader Cutting Edge Applications

MOLDBOARD LENGTH / STYLE	STANDARD (SERRATED) CURVED EDGE	HEAVY DUTY (SERRATED) CURVED EDGE	STANDARD (SERRATED) FLAT EDGE	HEAVY DUTY (SERRATED) FLAT EDGE	STD BOLTS (QTY)	HD BOLTS (QTY)
10 Foot Standard	7D4509 X2 (SERR - N/A)	9W6252 X2 (8D3429 X2)	4T2967 X2 (SERR - N/A)	4T3034 X2 (4T3034S X2)	5/8"X2-1/4" X22	5/8"X 2-1/2" X22
10 Foot Heavy Duty	4Z8183 X2 (8J8256 X2)	4T3511 X2 (4T3511S X2)	N/A	N/A	3/4"X 2-1/2" X22	3/4"X 2-3/4" X22
11 Foot Standard	7D4509 X1 & 5D9562 X1 (SERR - N/A)	9W6252 X1 & 5D9558 X1 (9W6252 X1 & 5D9558S X1)	4T2967 X1 & 4T2968 X1 (SERR - N/A)	4T3034 X1 & 4T3007 X1 (4T3034S X1 & 4T3007S X1)	5/8"X2-1/4" X24	5/8"X2-1/2" X24
11 Foot Heavy Duty	4Z8183 X1 & 7D1576 X1 (8D3429 X1 & 7D1576S X1)	4T3511 X1 & 4T2244 X1 (4T3511S X1 & 4T2244S X1)	N/A	N/A	3/4"X2-1/2" X24	3/4X2-3/4" X24

MOLDBOARD LENGTH / STYLE	STANDARD (SERRATED) CURVED EDGE	HEAVY DUTY (SERRATED) CURVED EDGE	STANDARD (SERRATED) FLAT EDGE	HEAVY DUTY (SERRATED) FLAT EDGE	STD BOLTS (QTY)	HD BOLTS (QTY)
12 Foot Standard	5D9562 X2 (SERR - N/A)	5D9558 X2 (5D9558S X2)	4T2968 X2 (SERR - N/A)	4T3007 X2 (4T3007S X2)	5/8"X 2-1/4" X26	5/8"X 2-1/2" X26
12 Foot Heavy Duty	7D1576 X2 (7D1576S X2)	4T2244 X2 (4T2244S X2)	4T3033 X2 (4T3033S X2)	7T3493 X2 (7T3493S X2)	3/4"X 2-1/2" X26	3/4"X 2-3/4" X26
13 Foot Standard	5D9562 X1 & 5D9561 X1 (SERR - N/A)	5D9558 X1 & 5D9559 X1 (5D9558S X1 & 5D9559S X1)	4T2968 X1 & 4T2969 X1 (SERR - N/A)	4T3007 X1 & 4T3036 X1 (4T3007S X1 & 4T3036 X1)	5/8"X 2-1/4" X28	5/8"X 2-1/2" X28
13 Foot Heavy Duty	7D1576 X1 & 7D1577 X1 (7D1576S X1 & 7D1577S X1)	4T2244 X1 & 4T2233 X1 (4T2244S X1 & 4T2233S X1)	4T3033 X1 & 4T3032 X1 (4T3033S X1 & 4T3032S X1)	7T3493 X1 & 7T3494 X1 (7T3493S X1 & 7T3494S X1)	3/4"X 2-1/2" X28	3/4"X 2-3/4" X28
14 Foot Standard	5D9559 X2 (5D9559S X2)	4T2242 X2 (4T2242S X2)	4T3036 X2 (4T3036S X2)	7T3498 X2 (7T3498S X2)	5/8"X 2-1/2" X30	5/8"X 2-3/4" X30
14 Foot Heavy Duty	7D1577 X2 (7D1577S X2)	4T2233 X2 (4T2233S X2)	4T3032 X2 (4T3032S X2)	4T6508 X2 (4T8055 X2)	3/4"X 2-1/2" X30	3/4"X 2-3/4" X30
16 Foot Standard	5D9732 X2 (132-1073 X2)	4T2237 X2 (4T2237S X2)	4T3035 X2 (4T3035S X2)	7T3496 X2 (7T3496S X2)	5/8"X 2-1/2" X34	5/8"X 2-3/4" X34
16 Foot Heavy Duty	7D1949 X2 (7D1949S X2)	4T2236 X2 (4T2236S X2)	4T3037 X2 (4T3037S X2)	4T6511 X2 (4T6511S X2)	3/4"X 2-1/2" X34	3/4"X 2-3/4" X34
18 Foot Heavy Duty	7D1576 X3 (7D1576S X3)	4T2244 X3 (4T2244S X3)	7T3493 X3 (7T3493S X3)	4T6502 X3 (4T6502S X3)	3/4"X 2-1/2" X38	3/4"X 2-3/4" X38



Caterpillar Compactor Applications

CAT MACHINE MODEL	TAMPER FOOT	STYLE	ROCK FOOT	STYLE	BASE	CLEANER BAR	TOOTH	PIN	LOCK
815	8K9189	BOLT-ON	4V3851	WELD-ON	7K6957	4S7928	3G8250	9J2258	8E6259
815B, 815F	2V7053	WELD-ON	4V3851	WELD-ON	7K6957	106-2047			
824B, 825, 825B, 834, 835	8K9171	PIN-ON	7K2939	PIN-ON	9S1645	3S3228		7K9535	
825C	8K9171	BOLT-ON	4V0668	WELD-ON	7K7071				



Hitachi/Komatsu Excavator & Loader Tooth Applications

HITACHI (EX) or KOMATSU (PC/WA) MODEL	OTHER OEM MODELS	STYLE	WELD-ON ADAPTERS CENTER	MAX. LIP THICK NESS	STD. TOOTH	PIN	LOCK
EX30, EX45, PC45		TOP PIN	1617-18 833-18	3/4" 1"	18TL	18/20PN	18/20LK
EX60		TOP PIN	3807-25	1-1/2"	25S	25/30PN	25/30LK
EX100, PC60		TOP PIN SIDE PIN	3808-30 20X-70-14151	1-1/2" 1-1/4"	30S 20X-70-14160	25/30PN 092-44-02496	25/30LK N/A
EX160, EX200, PC100, PC150, PC200	KATO770, SUMI200, SK200	TOP PIN SIDE PIN	3808-30 205-939-7120	1-1/2" 1-9/16"	30S 205-70-19570	25/30PN 092-44-02496	25/30LK N/A
EX200, PC200		TOP PIN	3808-35	1-5/8"	35S	35PN	35/40LK
EX300, PC220, PC300	KATO300, SK,SUMI300,	TOP PIN SIDE PIN	3809-40 207-939-5120	1-5/8" 1-9/16"	40S 207-70-14151	40PN 175-78-21810	35/40LK N/A
EX400, PC400-1,-2,-5		TOP PIN SIDE PIN	2810-45 208-939-3120	2-1/8" 2-1/8"	45S 208-70-14270	45PN 092-44-03036	45LK N/A
WA300		SIDE PIN	2810-45 208-939-3120		202-70-12130	092-44-02496	N/A
WA400, 450		SIDE PIN			423-847-1140	092-44-02516	N/A
WA500, 600		SIDE PIN	426-847-1120		426-847-1110	092-44-03036	N/A



Komatsu Loader Edge Applications

KOMATSU MACHINE MODEL	BUCKET STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER	BOLT ON ENDS	BOLT SIZE
WA20-1	Straight	361-701-1160		6	361-972-1140	N/A	1/2"X2-1/4"
WA30-2	Straight	362-701-1121		6	362-972-1111	N/A	5/8"X2-1/4"
WA40-1	Straight	363-70- 1160		7	362-972-1110	N/A	5/8"X2-1/4"
WA70-1	Straight	415-70-12121		11	415-815-1110 (X1)	415-815-1120 (X2)	5/8"X2-1/2"
WA100-1	Straight	416-70-12121	91-15/16"	8	416-815-1110 (X1)	416-815-1120 (X2)	3/4"X3"
WA120-1	Straight	417-70-12121	94-1/8"	8	416-816-1310 (X1)	416-816-1320 (X2)	3/4"X3"
WA120-3 WA150-1	Straight	417-70-12121	94-1/8"	8	416-815-1310 (X1)	416-815-1320 (X2)	3/4"X3"
WA150-1	Straight	417-70-12121	94-1/8"	8	416-815-1110 (X1)	416-815-1120 (X2)	3/4"X3"
WA180-1							
WA180-3	Straight	418-70-12121	96-1/16"	8	417-815-1210 (X1)	417-815-1220 (X2)	3/4"X3"
WA200-1							
WA200-1	Straight	418-70-12121	96-1/16"	8	418-815-1120 (X1)	418-815-1110 (X2)	3/4"X3"
WA250-1 WA250-3 WA320-3	Straight	419-70-12122 419-70-12221	105-11/16" 107-7/8"	8	418-815-1211 (X1)	418-815-1221 (X2)	3/4"X3"
WA300-1	Straight Spade	419-70-12122 419-809-1120	105-11/16" 105-3/4"	8 N/A	419-815-1110 (X1) N/A	419-815-1120 (X2) N/A	1"X3-1/2" N/A
WA320-1	Straight Spade	419-70-12221 419-819-1120	107-7/8" 107-7/8"	8 N/A	419-815-1211 (X1) N/A	418-815-1221 (X2) N/A	3/4"X3" N/A
WA350-1	Straight Spade	423-70-12121 423-809-1120	108" 108-1/2"	16 N/A	423-815-1111 (X1) N/A	423-815-1121 (X2) N/A	1"X3-1/2" N/A
WA380-1 WA380-3 WA400-1	Straight	424-70-12220 424-70-12121	114-1/4" 115"	16	423-815-1211 (X1) 424-815-1111 (X1)	423-815-1221 (X2) 424-815-1131 (X2)	1"X3-1/2"
WA420-1	Straight	421-70-12122	120"	16	424-815-1211 (X1)	421-815-1221 (X2)	1-1/4"X4"
WA420-3	Spade	421-809-1120	120-3/4"	N/A	N/A	N/A	N/A

KOMATSU MACHINE MODEL	BUCKET STYLE	BASE EDGE	BASE EDGE WIDTH	#OF HOLES	BOLT ON CENTER	BOLT ON ENDS	BOLT SIZE
WA450-1	Straight	421-70-12320	119-3/32"	16	421-815-1111 (X1)	421-815-1121 (X2) or 421-815-1131 (X2)	1-1/4"X4"
WA470-1	Straight	421-70-12430	124-13/16"	16	421-815-1211 (X1)	421-815-1221 (X2)	1-1/4"X4"
WA500-1	Straight Straight Spade	425-70-12122 Same 425-809-1121	134" 134" 134-5/8"	16 16 N/A	425-815-1110 (X1) 425-815-1310 (X1) N/A	425-815-1120 (X2) 425-815-1320 (X2) N/A	1-1/4"X4" 1-1/4"X4" N/A
WA600-1	Straight	426-806-1120	145"	24	426-815-1110 (X1)	426-815-1130 (X2) & 426-815-1120 (X2)	1-1/4"X5"
WA600-1	Spade	426-70-12122		N/A	N/A	N/A	N/A
WA700-1	Straight Spade	428-806-1120 428-70-12120					
WA800-1	Straight Spade	418-70-12121 427-70-12125					



Komatsu Dozer Edge Applications

KOMATSU MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D20A, D21A	P/Angle Angle	104-72-21140 (X1) 104-Z40-1160	1/2"X2" (X10) 1/2"X2" (X12)	N/A	12F-929-2170 (X2)	1/2"X2" (X8)
	P/Angle	10G-Z46-1120 (X1)	1/2"X2" (X12)			
D20P, D21P	P/Angle	10G-72-21260 (X1)	1/2"X2" (X11)	N/A	12F-929-2170 (X2)	1/2"X2" (X8)
	Straight	104-72-21140 (X1)	1/2"X2" (X10)			
D20PL, D21PL	Straight	10G-A70-8251 (X2) 12F-B74-3171 (X2)	1/2"X2" (X12)	N/A	12F-929-2170 (X2)	1/2"X2" (X8)
D31A-16	P/Angle	114-72-21140	5/8"X2" (X12)	N/A	11G-71-31170 (X2)	5/8"X2" (X8)
D31A-17 D31E-17	P/Angle Angle	12F-70-31261 (X1) & 12F-70-3125(X1) OR 12F-70-31281	5/8X2" (X11) OR 5/8"X2 (X14)	N/A	11G-71-31170 (X2)	5/8"X2" (X8)
D31P-16	P/Angle Straight	12F-70-11640 (X2) 11G-71-21170 (X2)	5/8"X2" (X16) 5/8"X2" (X12)	N/A	11G-71-31170 (X2)	5/8"X2" (X8)

KOMATSU MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D31PL, D31PLL	Straight	12F-70-31261 (X1) & 12F-70-31251 (X1)	5/8"X2" (X11)	N/A	12F-B47-3171 (X2)	5/8"X 2" (X8)
D37E, D37P	P/Angle	12F-70-31261 (X1) & 12F-70-31251 (X1)	5/8"X2" (X11)	N/A	11G-71-31170 (X2)	5/8"X 2" (X8)
D40A, D45A, D45E	P/Angle Angle Straight	124-Z46-1160 (X2) 12F-70-11640 (X1) 11G-71-21170 (X2)	5/8"X2" (X16) 5/8"X2-1/2" (X8) 5/8"X2-1/2" (X12)	124-70-21330 (X1) & 124-70-21340 (X1)	N/A	5/8"X 2-1/2" (X6) & 5/8"X 3-1/4" (X4)
D40P, D45P	Angle	140-70-11720 (X2)	5/8"X2-1/2" (X20)	12F-Z26-1150 (X1) & 12F-Z26-1140 (X1)	N/A	5/8"X 2-1/2" (X6) & 5/8"X 3-1/4" (X4)
D40P, D45P	Straight	12F-70-1580 (X2)	5/8"X2-1/2" (X16)	13F-A70-1570 (X1) & 13F-A70-1580 (X1)	N/A	5/8"X2-1/2" (X6) & 5/8"X3-1/4" (X4)
D40PL	Straight	101-71-12370 (X2)	1/2"X2" (X22)	N/A	12F-929-2170 (X2)	1/2"X 2" (X8)
D40PLL	Straight	12F-929-2650 (X2)	1/2"X2" (X26)	N/A	12F-929-2170 (X2)	1/2"X 2" (X8)
D50A, D53A	Angle Straight	130-70-61170 (X2) 130-Z20-1510 (X2)	3/4"X2-3/4" (X20) 3/4"X2-3/4" (X16)	144-70-11180 (X1) & 144-70-11190 (X1)	N/A	3/4"X2-3/4" (X6) & 3/4"X 4" (X4)
D50P, D53P	Straight	13F-Z27-1510 (X2)	3/4"X2-3/4" (X20)	13F-Z27-1571 (X1) & 13F-Z27-1581 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4"X4" (X4)
D50P, D53P	Angle	130-Z20-1510 (X1) & 130-920-2180 (X2)	3/4"X2-3/4" (X23)	13F-Z27-1571 (X1) & 13F-Z27-1581 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4"X4" (X4)
D50PL	Straight	130-870-1820 (X1) & 130-70-11145 (X2)	5/8"x2-1/4" (X19)	13F-A70-1570 (X1) & 13F-A70-1580 (X1)	N/A	5/8"X 2-1/4" (X6) & 5/8X3 (X4)
D58E, D58P	Angle S/Tilt Straight	130-70-61170 (X2) 130-Z20-1510 (X2) 130-Z27-1510 (X2)	3/4"X2-3/4" (X20) 3/4"X2-3/4" (X16) 3/4"X2-3/4" (X16)	144-70-11180 (X1) & 144-70-11190 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4"X 4" (X4)
D58P	Angle	130-Z20-1510 (X1) & 130-920-2180 (X2)	3/4"X2-3/4" (X22)	13F-Z27-1571 (X1) & 13F-Z27-1581 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4"X 4" (X4)
D60A, D65A, D60E, D65E	P/Angle	154-70-11314 (X3)	3/4"X3" (X24)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X 3-1/4" (X12)
D60A, D65A, D60E, D65E	Angle Straight	144-70-11131 (X2) 144-920-1120 (X2)	3/4"X2-1/2" (X22) 3/4"X3" (X18)	144-70-11180 (X1) & 144-70-11190 (X1)	N/A	3/4"X2-3/4" (X6) & 3/4"X 4" (X4)
D60P, D65P	Straight	144-70-11131 (X2)	3/4"X2-3/4" (X22)	13F-Z27-1571 (X1) & 13F-Z27-1581 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4X 4 (X4)
D60P, D65P	Angle	130-70-51130 (X1) & 130-920-2180 (X2)	3/4"X2-3/4" (X23)	13F-Z27-1571 (X1) & 13F-Z27-1581 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4"X 4" (X4)
D60PL	Straight	12F-70-31251 (X5)	5/8"X2-1/4" (X25)	13F-A70-1570 (X1) & 13F-A70-1580 (X1)	N/A	5/8"X 2-1/4" (X6) & 5/8X3 (X4)
D63E	Angle Straight	130-70-61170 (X2) 130-Z20-1510 (X2)	3/4"X2-3/4" (X20) 3/4X2-3/4" (X16)	144-70-11180 (X1) & 144-70-11190 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4X4 (X4)
D63E-1A	Straight	134-70-31180 (X2)	3/4"X2-3/4" (X18)	144-70-11180 (X1) & 144-70-11190 (X1)	N/A	3/4"X 2-3/4" (X6) & 3/4"X4" (X4)

KOMATSU MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D65E, D65EX	Semi-U	14X-952-1130 (X2)	3/4"X2-3/4" (X16)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X3-1/4" (X12)
D65E, D65EX	Angle Straight	144-70-11131 (X2) 14X-71-11310 (X2)	3/4"X2-3/4" (X22) 3/4"X2-3/4" (X18)	144-70-11251 (X1) & 144-70-11261 (X1)	N/A	3/4"X2-3/4" (X10)
D65P, D65PEX	Angle	130-70-51130 (X1) & 130-920-2180 (X2)	3/4"X2-3/4" (X23)	144-70-11180 (X1) & 144-70-11190 (X1)	13F-Z27-1572 (X1) 13F-Z27-1582 (X1)	3/4"X2-3/4" (X6) & 3/4"X4-1/4" (X4)
D65P, D65PEX	Straight	14Y-71-11210 (X2)	3/4"X2-3/4" (X22)	144-70-11180 (X1) & 144-70-11190 (X1)	13F-Z27-1572 (X1) 13F-Z27-1582 (X1)	3/4"X2-3/4" (X6) & 3/4"X4-1/4" (X4)
D75A	Angle Straight	144-70-61140 (X2) 144-920-1910 (X2)	3/4"X2-3/4" (X18) 3/4"X2-3/4" (X24)	144-70-11180 (X1) & 144-70-11190 (X1)	13F-Z27-1572 (X1) 13F-Z27-1582 (X1)	3/4"X2-3/4" (X6) & 3/4"X4-1/4" (X4)
D80A, D80E, D85A, D85E,	Angle	154-70-11314 (X3)	3/4"X2-1/4" (X24)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D80A, D80E, D85A, D85E	Straight	154-70-11314 (X1) & 154-81-11191 (X2)	3/4"X2-1/4" (X20)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D80A, D80E, D85A, D85E	M/Angle	154-70-16591 (X1) & 154-70-11314 (X2)	3/4"X2-1/4" (X25)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D80A, D80E, D85A, D85E	U-Dozer	154-72-11122 (X1) & 154-72-11151 (X2)	3/4"X2-1/4" (X21)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D80P, D85P, D85A, D85E	Straight Angle	154-70-11314 (X3)	3/4"X2-1/4" (X24)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D80P, D85P	Angle	154-81-11191 (X2) & 154-70-11314 (X2)	3/4"X2-1/4" (X28)	154-926-1120 (X1) & 154-926-1130 (X1)	N/A	3/4"X2-1/2" (X12)
D83E, D85E-SS	Straight	154-72-11151 (X3)	3/4"X2-1/2" (X18)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D83E	U-Dozer	154-72-11122 (X1) & 154-81-11191 (X2)	3/4"X2-1/2" (X21)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D83P	Straight	154-70-11314 (X1) & 175-70-26310 (X2)	3/4"X2-1/2" (X22)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D85A, D85E, D85P	Straight	154-70-11314 (X1) & 154-81-11191 (X2)	3/4"X2-1/2" (X20)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D85A, D85E	U-Dozer	154-72-11122 (X1) & 154-72-11151 (X2)	3/4"X2-1/2" (X21)	150-70-21346 (X1) & 150-70-21356 (X1)	N/A	3/4"X2-1/2" (X12)
D135A, D155A-2	Angle	175-70-26310 (X1) & 175-70-21115 (X2)	7/8"X3-1/2" (X25)	175-70-21126 (X1) & 175-70-21136 (X1)	N/A	7/8"X3-1/2" (X14)
D135A, D155A-2	Semi-U	175-70-26310 (X3)	7/8"X3-1/2" (X21)	175-71-22272 (X1) & 175-71-22282 (X1)	N/A	7/8"X3-1/2" (X14)
D135A, D155A-2	U-Dozer	175-72-21123 (X4)	7/8"X3-1/2" (X24)	175-70-21126 (X1) & 175-70-21136 (X1)	N/A	7/8"X3-1/2" (X14)
D150A, D155A	Straight	175-71-11242 (X2)	7/8"X3-1/2" (X20)	175-71-22271 (X1) & 175-71-22281 (X1)	N/A	7/8"X3-1/2" (X8) & 7/8"X5" (X6)

KOMATSU MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D150A, D155A	Angle	175-70-21114 (X2)	7/8"X3-1/2" (X26)	175-70-21125 (X1) & 175-70-21135 (X1)	N/A	7/8"X3-1/2" (X14)
D150A, D155A	U-Dozer	175-72-21122 (X1) & 175-72-21133 (X2)	7/8"X3-1/2" (X23)	175-70-22241 (X1) & 175-70-22251 (X1)	N/A	7/8"X3-1/2" (X8) & 7/8"X5" (X6)
D150A, D155A	M/Angle	175-70-26310 (X4)	7/8"X3" (X28)	175-70-21125 (X1) & 175-70-21135 (X1)	N/A	7/8"X3-1/2" (X8) & 7/8"X5" (X6)
D155A-3 D155AX	Semi-U	195-70-12492 (X1) & 17A-71-11351 (X2)	1"X3-1/2" (X19)	17M-71-21930 (X1) & 17M-71-21940 (X1)	N/A	1"X3-1/2" (X14)
D155A-3 D155AX	U-Dozer	17A-71-12221 (X2) & 17M-72-21160 (X2)	1"X3-1/4" (X22)	17M-71-21930 (X1) & 17M-71-21940 (X1)	N/A	1"X3-1/2" (X14)
D275A	Semi-U	195-71-11654 (X1) & 17M-71-21550 (X2)	1"X3-1/2" (X17)	17M-71-21930 (X1) & 17M-71-21940 (X1)	N/A	1"X3-1/2" (X14)
D275A	U-Dozer	17M-71-21160 (X1) & 195-71-11654 (X2)	1"X3-1/2" (X24)	17M-71-21930 (X1) & 17M-71-21940 (X1)	N/A	1"X3-1/2" (X14)
D355A	Straight	195-71-11654 (X3)	1"X4" (X21)	195-71-11173 (X1) & 195-71-11183 (X1)	N/A	1"X4" (X14)
D355A	Angle Cushion	195-70-12492 (X3) & 195-71-11654 (X2)	1"X4" (X27) & 1"X4" (X14)	195-71-51630 (X1) & 195-71-51640 (X1)	N/A	1"X4" (X14)
D355A	U-Dozer	195-72-11144 (X2) & 195-71-11654 (X2)	1"X4" (X26)	195-71-51630 (X1) & 195-71-51640 (X1)	N/A	1"X4" (X14)
D375A	Straight	195-71-52210 (X2) & 195-71-11654 (X2)	1"X4" (X24)	195-71-51630 (X1) & 195-71-51640 (X1)	N/A	1"X4" (X14)
D375A	Straight	195-71-51661 (X2) & 195-71-51651 (X2)	1-1/8"X3-3/4" (X24)	195-71-51631 (X1) & 195-71-51641 (X1)	N/A	1-1/8"X3-3/4" (X14)
D375A	U-Dozer	195-71-51120 (X2) & 195-70-12492 (X2)	1"X4" (X28)	195-71-51630 (X1) & 195-71-51640 (X1)	N/A	1"X4" (X14)
D375A	U-Dozer	195-71-51661 (X2) & 195-71-51671 (X2)	1-1/8"X3-3/4" (X28)	195-71-51631 (X1) & 195-71-51641 (X1)	N/A	1-1/8"X3-3/4" (X14)
D375A	U-Dozer	198-72-11181 (X2) & 198-71-11181 (X2)	1-1/4"X4-1/2" (X26)	195-71-61930 (X1) & 195-71-61940 (X1)	N/A	1-1/4"X4-3/4" (X16)
D375A	Angle	195-71-37450 (X2) & 195-70-12492 (X2)	1"X4" (X30)	195-71-51630 (X1) & 195-71-51640 (X1)	N/A	1"X4" (X14)
D375A	Semi-U	198-72-11181 (X2) & 195-71-61550 (X2)	1-1/4"X4-1/2" (X22)	195-71-61930 (X1) & 195-71-61940 (X1)	N/A	1-1/4"X4-3/4" (X16)
D455A	Semi-U U-Dozer	198-72-11181 (X2) & 198-71-11181 (X2)	1-1/4"X4-1/2" (X26)	198-71-11161 (X1) & 198-71-11171 (X1)	N/A	1-1/4"X5" (X16)

KOMATSU MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
D455A	Straight	198-71-11181 (X3)	1-1/4"X4-1/2" (X24)	198-71-11161 (X1) & 198-71-11171 (X1)	N/A	1-1/4"X 5" (X16)
D455A	Cushion	198-71-11181 (X2)	1-1/4"X4-1/2" (X16)	198-71-11160 (X1) & 198-71-11170 (X1)	N/A	1-1/4"X 5" (X16)
D475A	Straight U-Dozer	198-71-21830 (X1) & 198-71-21840 (X2)	1-3/8"X4-1/2" (X26)	198-71-21811 (X1) & 198-71-21821 (X1)	N/A	1-3/8"X 6" (X16)
D475A	Straight	198-71-21830 (X2) & 198-72-11181 (X2)	1-3/8"X4-1/2" (X26)	198-71-21810 (X1) & 198-71-21820 (X1)	N/A	1-3/8"X 6" (X16)
D475A-K D475A-2	Straight Semi-U	198-71-31550 (X2) & 198-71-31540 (X2)	1-3/8"X4-1/2" (X26)	198-71-31520 (X1) & 198-71-31530 (X1)	N/A	1-3/8"X 6" (X16)
D475A-K D475A-2	U-Dozer	198-71-31550 (X3) & 198-71-31540 (X2)	1-3/8"X4-1/2" (X34)	198-71-31520 (X1) & 198-71-31530 (X1)	N/A	1-3/8"X 6" (X16)
D575	Straight	19M-72-21260 (X2) & 19M-72-11231 (X2) & 19M-72-11241 (X2)	1-3/8"X6" (X40)	19M-72-11210 (X1) & 19M-72-11220 (X1)	N/A	1-3/8"X 6" (X16)



Komatsu Ripper Applications

KOMATSU MACHINE 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 & 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 & 2	195-78-71320	195-78-71360	195-78-72410		092-44-03036
D475A-1 & 2	198-78-21340				



Komatsu Grader Cutting Edge Applications

KOMATSU MACHINE MODEL	SERIAL NUMBER	END BITS	END BIT BOLTS	OVERLAYS	OVERLAY BOLTS
GD300A-1	2001-UP	237-870-1120 (X1) & 237-870-1130 (X1)	5/8"X2-1/4" (X10)	232-70-12150 (X1) & 232-70-12160 (X1)	5/8"X2-3/4" (X10)
GD313A, GD461A	3001-UP, 10001-A	N/A	N/A	237-70-22150 (X2)	5/8"X2-3/4" (X4)
GD405A-1	50002-UP	N/A	N/A	232-70-52191 (X2)	5/8"X2-3/4" (X8)
GD500R-1	10001-UP	232-70-12130 (X2)	5/8"X2-1/4" (X10)	232-70-12150 (X1) & 232-70-12160 (X1)	5/8"X2-3/4" (X10)
GD500R, GD505A, GD505R-2	11002-UP, 50003-UP, 30002-UP	N/A	N/A	232-70-52191 (X2) OR 232-70-52192 (X2)	5/8"X2-3/4" (X8) OR 5/8"X2-3/4" (X10)
GD510R, GD511A, GD511R, GD513A, GD513R, GD521A, GD521R, GD523A, GD523R, GD525A, GD611A, GD611R, GD613A, GD613R, GD661A, GD663A,	15001-UP, 10001-UP, 10001-UP, 30001-UP, 30001-UP, 10001-UP, 10001-UP, 30001-UP, 30001-UP, 10001-UP, 30001-UP, 50001-UP, 10001-UP, 10001-UP, 30001-UP, 30001-UP, 10001-UP, 30001-UP	N/A	N/A	232-70-52190 (X2)	5/8"X2-3/4" (X8)
GD600R, GD605A, GD605R, GD650R, GD655A, GD655R	10001-UP, 50002-UP, 30001-UP, 20001-UP, 60001-UP, 40001-UP	234-70-12214 (X2) OR 232-70-52180 (X2)	5/8"X2-1/2" (X10)	234-70-12233 (X2) OR 232-70-52190 (X2)	5/8"X3" (X8)
GD600R, GD605A, GD605R, GD655A, GD655R, GD621, GD623, GD625	13001-UP, 53001-UP, 23001-UP, 63001-UP, 43001-UP, 10001-UP, 30001-UP, 60001-UP	232-70-52180 (X2)	5/8"X2-1/2" (X10)	232-70-52190 (X2)	5/8"X3" (X8)
GD705R	10001-UP	234-70-12214 (X2)	5/8"X2-1/4" (X10)	234-70-12233 (X2)	5/8"X3" (X8)
GD705A, GD725A, GD825A	10002-UP, 50001-UP, 10002-UP	234-70-32230 (X2)	3/4"X2-1/2" (X10)	234-70-32240 (X2)	3/4"X3" (X8)



Komatsu Grader Cutting Edge Cross Reference

KOMATSU PART NUMBER	CATERPILLAR CROSS OVER NUMBER	STYLE	DIMENSIONS	BOLTS (QTY)
233-70-12141, 233-70-12450, 233-70-12140	9J3862	DBC	1/2"X6"X5 FT	5/8" (X7)
234-70-12192	8D2787	DBC	1/2"X6"X7 FT	5/8" (X9)
238-70-12220	7D4508	DBC	5/8"X6"X5 FT	5/8" (X11)
232-70-12143	5D9553	DBC	5/8"X6"X6 FT	5/8" (13)
234-70-12193	5D9554	DBC	5/8"X6"X7 FT	5/8" (X15)
232-70-52860	5D9562	DBC	5/8"X8"X6 FT	5/8" (X13)
234-70-12690	5D9561	DBC	5/8"X8"X7 FT	5/8" (X15)
232-70-52850	5D9558	DBC	3/4"X8"X6 FT	5/8" (X13)
234-70-12710	7D1577	DBC	3/4"X8"X7 FT	3/4" (X15)
234-70-12670	5D9559	DBC	3/4"X8"X7 FT	5/8" (X15)
235-70-12140	7D1949	DBC	3/4"X8"X8 FT	3/4" (X17)
232-70-52910	4T3007	DBF	3/4"X8"X6 FT	5/8" (X13)
233-70-12450	4T3036	DBF	3/4"X8"X7 FT	5/8" (X15)



New Holland /Fiat-Allis / Ford Applications

MACHINE MODEL	WELD-ON ADAPTER	ADAPTER STYLE	STD. TOOTH	TOOTH STYLE	PIN	LOCK
LS120, LS125, LS140, 555, 785	2520W-2AH	Flushmount	2AF	Crimp-on	N/A	N/A
SHERMAN BACKHOE	835-2A	Bottom Leg	2AF	Crimp-on	N/A	N/A
EC15, EC25	1617-18	Double Leg	18TL	Pin-on	18/20PN	18/20LK
EC35, EC45, FA345, LS150, LS160, LS170, LS180, LS190, LB75B, LB90, LB110	1001-23 2740W23	Flushmount Double Leg	230	Pin-on	23P	N/A
450, 455, 535, 545, 550, 555A,B,5, 650, 655, 723, 750, 753, 755,A,B	834-23 2740W23	Bottom Leg Double Leg	230	Pin-on	23P	N/A
7G, FL7, 545, 645, LB115B	2740W24	Double Leg	240	Pin-on	24P	N/A
FL9, FL10, 650, 6500, 750, 7500, 753, 755,A,B, EC130	2740W25 6Y3254	Double Leg 1-1/2 Leg	250 1U3252	Pin-on	25P 9J2258	N/A 8E6259
12G, FL14, 745, EW160, EC160, EW200	2740W27 3G6304	Double Leg 1-1/2 Leg	270 1U3302	Pin-on	27P 9J2308	N/A 8E6259
EW220, EC215, EC240, EC270	6I6354	1-1/2 Leg	1U3352	Pin-on	9J2358	8E6359
EC350	6I6404	1-1/2 Leg	7T3402	Pin-on	7T3408	8E8409
EC450	6I6464	1-1/2 Leg	9W8452	Pin-on	8E0468	8E8469
LW50, LW80, LW90	4T1204	Flushmount	1U3202	Pin-on	9W7116	8E6209
LW110, LW130, LW130TC	1U1254	Flushmount	1U3252	Pin-on	9J2258	8E6259
LW170, LW170TC, LW190	1U1304	Flushmount	1U3302	Pin-on	9J2308	8E6259
LW230	1U1354	Flushmount	1U3352	Pin-on	9J2358	8E6359
LW270	8E0464	Flushmount	9W8452	Pin-on	8E0468	8E8469



John Deere Tooth Applications

JOHN DEERE MACHINE MODEL	WELD-ON ADAPTER	ADAPTER STYLE	STD. TOOTH	TOOTH STYLE	OEM TOOTH PART #	PIN / LOCK	OEM PIN PART #
70, 70D			18TL	TOP PIN	TH106698	18PN / 18LK	18PN / 18LK
190E, 210C, 310A,B,C,D, 315,CH, 401D, 410B,C,D, 500,A,B,C, 610B,C, 710B,C,D	1001-23 2740W23	Flushmount Double Leg	230	SIDE PIN	T56524	23P	T40910
290D			X160 21SYL	SIDE PIN HELILOK	TX160 EX21SYL	L160 21LK	T25101 21LK
490D,E, 495D, 590D, 595D	3808-30	Double Leg	30S	TOP PIN	TH100339	30PN / 30LK	30PN / 30LK
690,A,B,C,D,E	2740W25 1899-35 1899-40	Double Leg Double Leg Double Leg	250 35S 40S	SIDE PIN TOP PIN TOP PIN	T72583 T35516 T33187	25P / 25/30LK 35PN / 35/40LK 40PN / 35/40LK	U45574 T33147 T35517
790,D,E, 792, 890,A	1899-40	Double Leg	40S	TOP PIN	T33187	40PN / 40LK	T35517 / T133188
892D,E, 990	2810-45	Double Leg	45S	TOP PIN	T47166	45PN / 45LK	45PN / 45LK
350,B,C,D			U13449	SIDE PIN	U13449		
444,C,CH,D, 450,B, C,D,E, 544,A,B,C, 555A,B, 644,A,B,C			U16086	SIDE PIN	U16086	P160	T25101
544E, 644E			T103189 T105690	SIDE PIN	T103189 T105690	T112195 T112196	T112195 T112196
744E, 844			T69647	SIDE PIN	T69647	9J2308 8E6259	T67083 3G9609
455G, 555G, 655,B, 755, 755A,B, 855			T105690 T103190 T29887 T69647	SIDE PIN	T105690 T103190 T29887 T69647	T112195 T112195 P160 9J2308	T112195 T112195 T25101 T67083



John Deere Loader Edge Applications

JOHN DEERE MACHINE MODEL	BUCKET SIZE / STYLE	BASE EDGE	BASE EDGE WIDTH	#OF HOLES	BOLT ON CENTER (QTY)	BOLT ON ENDS	BOLT SIZE
210C, 300D, 500 310C/D, 400, 401	7/8 cu Yard 1 cu Yard	PBT105892 T150517	79-1/4" 86"	8	T103142 (X1)	T103141 (X2)	5/8"X2-1/4"
210C, 300D, 310C/D	1-1/4 cu Yard	T118977	90-1/16"	8	T84194 (X1)	N/A	5/8"X2-1/2"
210C, 300D, 315SE, 310, 510C, 610C	1-1/3 cu Yard	T118768 PBT69229	92-3/8" 90-1/8"	8	T84194 (X1)	N/A	5/8"X2-1/2"
210C, 300D, 410D 315D/SE, 510D 310C/D/E/SE	Narrow	T150487	86"	7	T150517 (X1)	N/A	5/8"X2-1/4"
210LE, 310E/SE	Multi-Purpose	T150517	86"	7	T150517 (X1)	N/A	5/8"X2-1/2"
300, 300D, 310C/D	1/2, 5/8 cu Yard 5/8, 7/8 cu Yard	PBU11768 PBU40554	64-7/16" 77-3/16"	7 7	U11714 (X1) T120980 (X1)	N/A	5/8"X2" 3/4"X2"
310, 410, 500A	5/8 cu Yard 7/8 cu Yard	PBT34095 U11792	64-7/16" 64-1/2"	8	T84180 (X1)	N/A	1/2"X2-1/4"
310A/B, 315CCH, 410, 410B/C/D, 510B/C/D, 610B	3/4, 1 cu Yard 1, 1-1/4 cu. Yard Multi-Purpose	PBT34103 PBT69229 T128538	87-3/4" 90-1/8" 92-1/2"	8	T84194 (X1)	N/A	5/8"X2-1/4"
415B, 515B	1-1/2 cu Yard	T77894	90-1/8"	8	T84183 (X1)	N/A	1/2"X2-1/4"
500B, 510	1, 1-1/8 cu Yard 1-1/2 cu Yard	PBU43812 PBU14242	90-1/2" 94-1/16"	8	T84194 (X1) T79196 (X1)	N/A	5/8"X2-1/4" 3/4"X2-1/4"
500C	7/8 cu Yard , 1-1/4 cu Yard	PBT34095 PBT34103	105-11/16" 107-7/8"	8	T84810 (X1) T84194 (X1)	N/A	1/2"X2-1/4" 5/8"X2-1/4"
510C/D, 710B/C/D	1-1/2 cu Yard 1-3/8 cu Yard 1-3/4 cu Yard	PBT69309 T126774 T143074	90-1/8" 96-1/2" 97"	8	T84194 (X1) T126774 (X1) T126774 (X1)	N/A	5/8"X2-1/2"
84	Straight	T119757	81-15/16"	8	T103142 (X1)	T103141 (X2)	5/8"X2-1/4"
244E	Straight	T152658	78-5/16"	7	AT108860 (X1)	AT108861(X2)	5/8"X2-1/4"
244E/H	Straight	T152355	78-3/8"	8	T152344 (X1)	T152342 (X2)	5/8"X2-1/2"
344E/G	1-5/8, 2 cu Yard	T152653	92-9/16"	8	AT123070 (X1)	AT12053 (X2)	3/4"X3"

JOHN DEERE MACHINE MODEL	BUCKET SIZE / STYLE	BASE EDGE	BASE EDGE WIDTH	#OF HOLES	BOLT ON CENTER (QTY)	BOLT ON ENDS	BOLT SIZE
444, 444C/CH/D, 544, 544A, 544B/C/D TC	1-1/2 cu Yard 1-3/4 cu Yard 2 cu Yard 3 cu Yard 3 cu Yard	T35567 T35361 T35308 PBT35372 T65443	90-3/4" 90-1/4" 93-15/16" 93-15/16" 94"	8 8 8 7	T64320 (X1) T76968 (X2) T76971 (X2) T76973 (X1) T76973 (X1)	N/A	5/8"X2-1/4" 3/4"X3" 3/4"X2-1/2" 3/4"X2-1/4" 3/4"X2-1/2"
444E	1-3/4 cu Yard 2-1/4 cu Yard	T120639 T101255	95-1/4" 100-7/16"	8 9	AT123054 (X1) T146673 (X1)	AT123053 (X2) T146672 (X2)	3/4"X3"
444G	Straight	T152510	95-1/4"	8	AT123054 (X1)	AT123053 (X2)	3/4"X3"
444H	2 cu Yard 2-1/2 cu Yard	T156603 T169127	95-9/32" 95-1/4"	9 8	T156637 (X1) T162493 (X2)	T146672 (X2) N/A	3/4X3"
544, 544A	1-3/4 cu Yard 2 cu Yard 3 cu Yard	T26637 T35308 PBT26645	90-1/4" 93-15/16" 93-15/16"	8 8 7	T76968 (X2) T79671 (X2) T76973 (X1)	N/A	3/4"X3"
544B/C/D TC	1-3/4 cu Yard 2 cu Yard 3 cu Yard	T65841 T65443 PBT65455	92-1/2" 94" 102-1/2"	7 7 10	T76973 (X1) T145946 (X1) T84184 (X1)	N/A	3/4"X2-1/4"
544E/G	2-1/4 cu Yard 2-1/2 cu Yard	T101255 T159675	100-7/16" 100-3/8"	12 16	T101638 (X2) T147931 (X1)	T101639 (X2) T159917 (X2)	3/4"X3"
544H	2-5/8 cu Yard 3 cu Yard	T157282 T169142	100-13/32" 100-3/8"	12 16	T157311 (X2) T147931 (X1)	T146772 (X2) T159917 (X2)	3/4"X3"
624E/G/H	2-5/8,3 cu Yard 2-5/8,3 cu Yard 2-5/8,3 cu Yard 3-1/4 cu Yard 3-1/2 cu Yard 3-1/2 cu Yard	T102646 T149467 T129782 T159674 T169128 T157465	101-3/4" 101-3/4" 101-3/4" 101-3/4" 105-7/8" 105-7/8"	12 9 12 17 17 9	T102695 (X2) T102695 (X1) T129787 (X1) T148082 (X1) T148082 (X1) T157492 (X1)	T101639 (X2) T146672 (X2) T129786 (X2) T159916 (X2) T159917 (X2) T146672 (X2)	3/4"X3"
644, 644A, 644B	2-1/2 cu Yard 2-1/2 cu Yard 4-1/2 cu Yard	T26809 T3532 PBT35374	102-1/4" 102-1/4" 108-1/4"	10 11 11	T84194 (X1) T79675 (X1) T79675 (X1)	N/A T79676 (X2) T79676 (X2)	3/4"X2-1/2"
644C/D, 646C	2-1/2 cu Yard 4-1/2 cu Yard	T65255 T65259	102-1/4" 108-1/4"	9 10	T765268 (X3) T79675 (X1)	N/A T79676 (X2)	3/4"X2-1/4" 3/4"X2-1/2"
644E	Straight	T101923 T123976	109-7/16" 112-3/16"	12 12	T101939 (X2) T123988 (X2)	T101940 (X2) T101940 (X2)	3/4"X3"
644G	3-1/4 cu Yard 4 cu Yard	T130080 T159635	112-1/4" 112-3/16"	12 18	T130078 (X1) T147932 (X1)	T130079 (X2) T159917 (X2)	1"X3"
744E	4-1/4 cu Yard	T144579	119-11/16"	12	AT139623 (X1)	AT139622 (X2)	1-1/4"X4"
744H	5-1/4 cu Yard 5-1/4 cu Yard 5-3/4 cu Yard	T156031 T169126 T156262	119-11/16" 119-1/2" 128-15/16"	12 19 12	T167922 (X1) T161117 (X1) T156530 (X1)	AT139622 (X2) T161116 (X2) AT139622 (X2)	1-1/4"X4" 1"X3-1/2" 1-1/4"X4"
844	3-1/2 cu Yard 4-1/2,5 cu Yard 7 cu Yard	T57442 T57407 T78994	114-1/4" 124-9/16" 129-1/8"	N/A 8 12	N/A T57933 (X4) T101647 (X1)	N/A N/A T101648 (X2)	N/A 7/8"X3-3/4" 7/8"X3-1/2"



John Deere Dozer Edge Applications

JOHN DEERE MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
350, 350B, 350C	72" 72" 80" 90" 93"	U11711 (X1) U15152 (X1) U11714 (X1) U11707 (X1) U15150 (X1)	5/8"X2" (X6) 5/8"X2" (X6) 5/8"X2" (X7) 5/8"X2" (X5) 5/8"X2" (X7)	N/A	U11708 (X2)	5/8"X2" (X3)
450, 450B, 450C, 550	80"	U16735 (X1)	3/4"X2-1/4" (X7)	U16562 (X1) & U15653 (X1)	T31148 (X2)	3/4"X2-1/4" (X6)
400G, 450, 450B, 450C, 450D, 450E 550, 550B	84" 90" 96" 106"	T127618 (X1) U16748 (X1) T32742 (X1) U16814 (X1)	3/4"X2-1/4" (X7)	U16562 (X1) & U15653 (X1)	T31148 (X2)	3/4"X2-1/4" (X6)
450G, 550G, 650G	90" 96" 104" 104" 114"	T127297 (X1) T120979 (X1) T120980 (X1) T140560 (X1) T120981 (X1)	3/4"X2" (X7) 3/4"X2" (X7) 3/4"X2" (X7) 3/4"X2" (X9) 3/4"X2" (X9)	T84555 (X1) & T84556 (X1)	T120978 (X2)	3/4"X2" (X6)
750, 750B	96" Straight	T73281 (X1) T49153 (X1)	3/4"X3" (X12) 3/4"X2-1/2" (X15)	T49157 (X1) & T49158 (X1)	T49155 (X1) & T49156 (X1)	3/4"X2-1/2" (X12)
750, 750B	96" Straight	T73281 (X1) T49153 (X1)	3/4"X3" (X12) 3/4"X2-1/2" (X15)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750, 750B	115"	T79194 (X1) & T79195 (X2)	3/4"X2-1/2" (X17)	T49157 (X1) & T49158 (X1)	T49155 (X1) & T49156 (X1)	3/4"X2-1/2" (X12)
750, 750B	115" 128.5"	T79194 (X1) & T79195 (X2)	3/4"X2-1/2" (X17)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750, 750B, 750C	120"	T79198 (X1) & T79197 (X2)	3/4"X2-1/2" (X17)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750, 750B, 750C, 850	123"	T79198 (X1) & T79200 (X2)	3/4"X3" (X16)	T49157 (X1) & T49158 (X1)	T49155 (X1) & T49156 (X1)	3/4"X2-1/2" (X12)

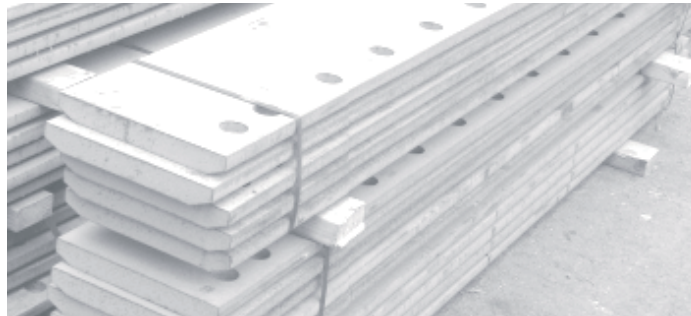
JOHN DEERE MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
750, 750B, 750C	132"	T79196 (X1) & T79197 (X2)	3/4"X2-1/2" (X21)	T49157 (X1) & T49158 (X1)	T49155 (X1) & T49156 (X1)	3/4"X2-1/2" (X12)
750, 750B	132"	T79196 (X1) & T79197 (X2)	3/4"X2-1/2" (X21)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750	146"	T58190 (X1)	3/4"X2-1/2" (X20)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750	146"	T79196 (X1) & T79195 (X2)	3/4"X2-1/2" (X20)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750, 750B	150"	T65937 (X1)	3/4"X2-1/2" (X20)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750, 750B, 750C	149" 150"	T79192 (X1) & T79199 (X2)	3/4"X2-1/2" (X21)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
750B, 750C	Semi-U 126"	T79192 (X1) & T79197 (X2)	3/4"X2-1/2" (X17)	T112067 (X1) & T112068 (X1)	T153378 (X1) & T153379 (X1)	3/4"X2-1/2" (X12)
850, 850B, 850C	Straight 123"	T79198 (X1) & T79194 (X2)	3/4"X3" (X16)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
850, 850B	Straight 138"	T79199 (X1) & T79194 (X2)	3/4"X2-1/2" (X17)	T112067 (X1) & T112068 (X1)	T153378 (X1) & T153379 (X1)	3/4"X2-1/2" (X12)
850, 850B	Straight 152"	T58940 (X2)	3/4"X2-1/2" (X21)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
850, 850B, 850C	Angle 152"	T79192 (X1) & T79193 (X2)	3/4"X3" (X21)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
850C	Semi-U	T79194 (X1) & T79195 (X2)	3/4"X2-1/2" (X17)	T112067 (X1) & T112068 (X1)	T153378 (X1) & T153379 (X1)	3/4"X2-1/2" (X12)
850C	Semi-U	T79194 (X1) & T79199 (X2)	3/4"X2-1/2" (X19)	T112067 (X1) & T112068 (X1)	T153378 (X1) & T153379 (X1)	3/4"X2-1/2" (X12)
850C	Straight 123"	T79198 (X1) & T79194 (X2)	3/4"X3" (X16)	T59155 (X1) & T59156 (X1)	T58191 (X1) & T58192 (X1)	3/4"X2-1/2" (X12)
850C	Straight 123"	12F-70-1580 (X2)	5/8"X2-1/2" (X16)	13F-A70-1570 (X1) & 13F-A70-1580 (X1)	N/A	5/8"X2-1/2" (X6) & 5/8"X3-1/4" (X4)





John Deere Grader Cutting Edge Applications

JOHN DEERE MACHINE MODEL	SERIAL NUMBER	END BITS	END BIT BOLTS	OVERLAYS	OVERLAY BOLTS
570, 570A, 570B	ALL	U42495 (X2)	5/8"X2-1/2" (X8)	T34084 (X1) & T34085 (X1)	5/8"X2-1/2" (X10) & 5/8"X3-1/2" (X10)
670, 670A, 670, 672A, 672B, 770, 772A, 772B	PRIOR TO FEBRUARY 1994	T71955 (X2) STD OR T71956 (X2) HD	5/8"X2-1/4" (X8) OR 5/8"X2-1/2" (X8)	T70926 (X2) OR T70927 (X2)	5/8"X3" (X10)
670, 670A, 670, 672A, 672B, 770, 772A, 772B	FEBRUARY 1994 - LATER	T149152 (X2) STD OR T149153 (X2) HD	5/8"X2-1/4" (X10) OR 5/8"X2-1/2" (X10)	T149150 (X2) OR T149151 (X2)	3/4"X2-1/4" (X14)



John Deere Grader Cutting Edge Cross Reference

JOHN DEERE PART NUMBER	CATERPILLAR CROSS OVER NUMBER	STYLE	DIMENSIONS	BOLTS (QTY)
T74751	7D4508	DBC	5/8"X6"X5 FT	5/8" (X11)
T66702	5D9553	DBC	5/8"X6"X6 FT	5/8" (X13)
U46287	7T1640	DBC	5/8"X6"X5 FT	5/8" (X7)
U42494	7T1633	DBC	5/8"X6"X6 FT	5/8" (X8)
T66707	5D9554	DBC	5/8"X6"X7 FT	5/8" (X15)

JOHN DEERE PART NUMBER	CATERPILLAR CROSS OVER NUMBER	STYLE	DIMENSIONS	BOLTS (QTY)
T74764	7D4509	DBC	5/8"X8"X5 FT	5/8" (X11)
T71978	5D9562	DBC	5/8"X8"X6 FT	5/8" (X13)
T71979	5D9561	DBC	5/8"X8"X7 FT	5/8" (X15)
T74767	7D1158	DBC	5/8"X8"X7 FT	3/4" (X15)
T71980	5D9731	DBC	5/8"X8"X8 FT	5/8" (X17)
T74768	8J9821	DBC	5/8"X8"X8 FT	3/4" (X17)
T74756	3G7966	DBC	3/4"X6"X5 FT	5/8" (X11)
T74760	5D9557	DBC	3/4"X6"X7 FT	5/8" (X15)
T74769	9W6252	DBC	3/4"X8"X5 FT	5/8" (X11)
T66703	5D9558	DBC	3/4"X8"X6 FT	5/8" (X13)
T74771	7D1576	DBC	3/4"X8"X6 FT	3/4" (X13)
T66704	5D9559	DBC	3/4"X8"X7 FT	5/8" (X15)
T74772	7D1577	DBC	3/4"X8"X7 FT	3/4" (X15)
T66706	5D9732	DBC	3/4"X8"X8 FT	5/8" (X17)
T74773	7D1949	DBC	3/4"X8"X8 FT	3/4" (X17)
T74775	4T2231	DBC	1"X8"X6 FT	3/4" (X13)
T74776	4T2233	DBC	1"X8"X7 FT	3/4" (X15)
T74777	4T2236	DBC	1"X8"X8 FT	3/4" (X17)
T74804	4T3034	DBF	3/4"X8"X5 FT	5/8" (X17)
T74806	4T3007	DBF	3/4"X8"X6 FT	5/8" (X15)
T74807	4T3033	DBF	3/4"X8"X6 FT	3/4" (X17)
T74808	4T3036	DBF	3/4"X8"X7 FT	5/8" (X15)
T74809	4T3032	DBF	3/4"X8"X7 FT	3/4" (X15)
T74810	4T3035	DBF	3/4"X8"X8 FT	5/8" (X17)
T74811	4T3037	DBF	3/4"X8"X8 FT	3/4" (X17)
T74815	4T6502	DBF	1"X10"X6 FT	3/4" (X13)
T74816	4T6508	DBF	1"X10"X7 FT	3/4" (X15)
T74817	4T6511	DBF	1"X10"X8 FT	3/4" (X17)



Kobelco Excavator Tooth Applications

KOBELCO MACHINE MODEL	WELD-ON ADAPTER	ADAPTER STYLE	STD. TOOTH	TOOTH STYLE	PIN	LOCK
70SR, 80CS	1617-18 8J7525	Wrap-Around Wrap Around	18TL 1U3202	Esco Top Pin Cat Side Pin	18/20PN 9W7116	18/20LK 8E6209
115SRDZ	6Y3254	Wrap-Around	1U3252	Cat Side Pin	9J2258	8E6259
135SRDZ, SK160LC, ED180, ED190, 200SRLC	3G6304	Wrap-Around	1U3302	Cat Side Pin	9J2308	8E6259
SK210LC, 235SRDZ, SK250LC, SK290LC	6I6354	Wrap-Around	1U3352	Cat Side Pin	9J2358	8E6359
SK330LC	6I6404	Wrap-Around	7T3402	Cat Side Pin	7T3408	8E8409
SK480LC	6I6464	Wrap-Around	9W8452	Cat Side Pin	8E0468	8E8469



Case Tooth Applications

CASE MACHINE MODEL	WELD-ON ADAPTER	ADAPTER STYLE	STD. TOOTH	TOOTH STYLE	PIN
480,D,E,F, 580B,C,D E,K,CK,SK, 590, 680, 880, 310, 350, 450,B,C, 455C	2740W23	Double Leg	230S	SIDE PIN	23P
850,C,D, 855C, 1150, W14C, W20C, W24C	2740W24	Double Leg	240S	SIDE PIN	24P
680, 780CK, 880,R, 850, 1150B,C,D,E, 1155E, 1450, 1540B, 1455, 721, W30	2740W25	Double Leg	250S	SIDE PIN	25P
1450B, 1455B, 821	2740W27	Double Leg	270S	SIDE PIN	27P



Case Loader/Backhoe Edge Applications

CASE MACHINE MODEL	BUCKET SIZE / STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER (QTY)	BOLT ON ENDS	BOLT SIZE
1840, 1845, 1845B, 1845C	Uniloader	H438919	73-1/4"	12	H439029 (X1)	N/A	5/8"X2-1/4"
290	Straight	T24246	80-7/16"	0	N/A	N/A	N/A
420CK	Backhoe	35277	23"	0	N/A	N/A	N/A
500CK	Backhoe	37448	29"	0	N/A	N/A	N/A
310, 350, 350B	Straight	D51885	61-7/32"	0	N/A	N/A	N/A
390	Straight	T30974	47-1/4"	8	T33511 (X1)	N/A	1/2"X2"
580B, 580C, 580D, 580 SUPER E, 580F, 570XLT	Straight	D95071 D145680 D122568	62-15/32" 80" 89-3/8"	10	D145681 (X1)	N/A	3/4"X2-1/4"
580C, 580 SUPER E	Multi-Purpose	D75636 D75632 D76258	81-5/16" 80-15/32" 82"	18	16040 (X1)	38150 (X2)	1/2"X2"
580G	Multi-Purpose	E35701	92-9/32"	0	N/A	N/A	N/A
580K, 580 Super K	Backhoe	D147409 D135512 D147249 D135513 D135514 D135515 D135516	11-3/4" 15-1/2" 15-13/16" 17-1/2" 23-1/2" 29-1/2" 35-1/2"	0	N/A	N/A	N/A
580CK	Multi-Purpose	D51388 D75636	73-3/8" 81-5/16"	0	N/A	N/A	N/A
590	Backhoe Backhoe Loader	D147409 D147249 D147136	11-3/4" 15-13/16" 91-3/16"	0 0 15	N/A N/A D147323 (X1)	N/A N/A N/A	N/A N/A 3/4"X2-1/2"
680CK	Loader Loader Backhoe	D49617 L13774 L43412	83-13/16" 96-1/8" 34-9/16"		N/A	N/A	N/A

CASE MACHINE MODEL	BUCKET SIZE / STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER (QTY)	BOLT ON ENDS	BOLT SIZE
680E, 680H, 780B	Loader Backhoe Loader	L58159 D128975 L300942	84-1/2" 27-11/16" 94-1/2"	0 0 7	N/A N/A L300862 (X2)	N/A N/A N/A	N/A N/A 1"X3"
680E, 680H, 780B	Loader	L301620	94-1/2"	16	L301051 (X1)	L301052 (X1) & L301503 (X1)	5/8"X3"
680K, 780C	Backhoe Backhoe	D138064 D132342	11-3/4" 15-13/16"	0 0	N/A N/A	N/A N/A	N/A N/A
780, 780D	Loader Loader Loader	L47367 L18756 L47296	95-1/16" 93-1/2" 92-1/2"		N/A	N/A	N/A
780CK	Loader Backhoe Backhoe	B41985 D54979 D53356	93-7/16" 17-1/2" 40"		N/A	N/A	N/A
800, 800C, 1000, 1000C, 1000D	Standard	A15349	78-1/2"		N/A	N/A	N/A
1150B,1150C, 1150D, 1155D	Multi-Purpose	R54188	79-3/16"	16	R53318 (X1)	R53319 (X2)	3/4"X2-1/2"
1450, 1455B	Multi-Purpose	R28276 R46009 R51169	85-1/2" 85-1/2" 85-1/2"		N/A	N/A	N/A
850, 1150	Multi-Purpose	R39202 D51889	76-5/8" 79-5/32"	15 15	D39197 (X1) D54097 (X1)	D39196 (X2) D50492 (X2)	3/4"X2-1/4" 3/4"X2-1/4"
W7	Multi-Purpose	A18660	82-3/4"	14	A18658 (X1)	N/A	3/4"X2-1/4"
W14, W14H	Multi-Purpose	L111917 L112523	84-1/2" 84-1/2"	8 16	L111777 (X1) L115718 (X1)	L111778 (X1) L115719 (X1)	5/8"X3" 5/8"X3"
W18, W18B, W20, W20B, W20C	Multi-Purpose	L106797 L46613	92-5/8" 92-5/8"	9 18	L300287 (X1) L301026 (X1)	N/A N/A	5/8"X3" 5/8"X3"
W9, W20, W20B	Multi-Purpose	A17657	94-1/16"	18	A17654 (X1)	A17655 (X2)	3/4"X2-1/2"
621	Multi-Purpose	L118719 L127241 L127359 747340 L127426	96-15/16" 96-15/16" 99-29/32" 100" 102-7/16"	16 16 16 18 16	L124454 (X1) L124454 (X1) L127367 (X1) L128264 (X1) L127038 (X1)	L124455 (X2) L127428 (X2) L127367 (X2) L128265 (X2) L127429 (X2)	3/4"X2-1/2" 3/4"X2-1/2" 3/4"X2-1/2" 3/4"X3" 3/4"X2-3/4"
W24, W24B, W24C	Multi-Purpose	L57494 L54092 L104555	93-1/2" 102" 102-13/16"	9 9 9	L111779 (X1) L111775 (X1) L111771 (X1)	L111780 (X2) L111776(X2) L111772 (X2)	3/4"X3-1/2" 3/4"X3-1/2" 3/4"X3-1/2"
721	Straight	L127427	103-1/16"	16	L127038 (X1)	L127429 (X2)	3/4"X3"

CASE MACHINE MODEL	BUCKET SIZE / STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER (QTY)	BOLT ON ENDS	BOLT SIZE
821, 821B	General	L129401 D129400	109" 109"	9 9	L125171 (X1) L125816 (X1)	L125172 (X2) L125815 (X2)	1"X3-1/2"
W30, W36	General	L59904 L118525	111" 102-7/8"	9 22	L111773 (X1) L118561 (X1)	L111774 (X2) L118560 (X2)	3/4"X3"



Case Dozer Edge Applications

CASE MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
350, 450, 450B, 450C	Angle	R24492 (X1)	1/2"X2" (X9)	N/A	D48041 (X2)	5/8"X2" (X6)
450, 450B, 450C, 455B, 455C, M450	92" 83" 100"	16792 (X1) R57842 (X1) R57843 (X1)	1/2"X2" (X18) 1/2"X2-1/4" (X16) 1/2"X2-1/4" (X20)	D43406 (X1) & D43407 (X1)	D34323 (X2)	1/2"X2-1/4" (X6)
350AT		R24492 (X1)	1/2"X2-1/4" (X7)	N/A	R29629 (X2)	1/2"X2-1/4" (X8)
450AT, 450C AT	STD HD	R29741 (X1) R57842 (X1)	1/2"X2" (X16) 1/2"X2-1/4" (X16)	N/A	R29742 (X2) R57841 (X2)	1/2"X2" (X6) 1/2"X2-1/4" (X6)
450B, 450C	LGP	R43179 (X1)	1/2"X2-1/4" (X20)	N/A	R29742 (X2)	1/2"X2" (X6)
550, 550E	Angle	R57844 (X1) R57843 (X1)	1/2"X2" (X18)	D43406 (X1) & D43407 (X1)	R57841 (X2)	1/2"X2" (X6)
650	Angle	R44600 (X1)	5/8"X2-1/4" (X13)	D5100 (X1) & D51101 (X1)	R41351 (X1) & R41352 (X1)	5/8"X2-1/2" (X10)
650G, 850G	STD	115631A (X2)	3/4"X2-1/2" (X12)	R41910 (X1) & R41911 (X1)	R37034 (X2)	3/4"X2-1/2" (X10)
700, 750, 810CR	85" 105" 109"	R23000 (X1) D32945 (X1) R22981 (X1)	5/8"X2-1/2" (X16) 5/8"X2-1/2" (X21) 5/8"X2-1/2" (X22)	70375 (X1) & 70376 (X1)	R18821 (X2)	1/2"X2-1/4" (X6)
750, 750B, 750C, 850	123"	T79198 (X1) & T79200 (X2)	3/4"X3" (X16)	T49157 (X1) & T49158 (X1)	T49155 (X1) & T49156 (X1)	3/4"X2-1/2" (X12)

CASE MACHINE MODEL	BLADE STYLE	CENTER EDGES	EDGE BOLTS	STD HC END BITS	LEVEL CUT END BITS	END BIT BOLTS
800, 800C, 810, 810C, 1000, 1010 1000C, 1000D,	93" 101" 109"	D29981 (X1) R22973 (X1) R22981 (X1)	5/8"X2-1/2" (X18) 5/8"X2-1/2" (X20) 5/8"X2-1/2" (X22)	70375 (X1) & 70376 (X1)	N/A	5/8"X2-1/4" (X6)
850	Angle	D52377 (X1)	5/8"X2-1/4" (X15)	D51100 (X1) & D51101 (X1)	D48041 (X2)	5/8"X2-1/4" (X10)
850B, 850C, 850D, 850E, 855C, 855D	Tilt	R44592 (X1) R44600 (X1) R43239 (X1)	5/8"X2-1/4" (X12) 5/8"X2-1/4" (X13) 5/8"X2-1/4" (X15)	D51100 (X1) & D51101 (X1)	D48401 (X2)	5/8"X2-1/4" (X10)
1150, 1150B, 1150C, 1150D, 1150E, 1155E	Tilt	R45446 (X1) & R45447 (X1)	5/8"X2-1/4" (X16)	D51100 (X1) & D51101 (X1)	D48401 (X2)	5/8"X2-1/4" (X10)
1150, 1150B, 1150C, 1150D, 1150E, 1155E	Tilt	D29981 (X1) R22973 (X1) R29981 (X1) D47776 (X1) R32043 (X1) R42532 (X1) D47776HD (X1)	5/8"X2-1/4" (X18) 5/8"X2-1/4" (X20) 5/8"X2-1/4" (X22) 5/8"X2-1/4" (X24) 5/8"X2-1/4" (X25) 5/8"X2-1/4" (X17) 5/8"X2-1/4" (X24)	D51100 (X1) & D51101 (X1)	D48401 (X2)	5/8"X2-1/4" (X10)
1150D, 1150E, 1155E	LGP	R45447 (X2) R48976 (X3) R54419 (X2)	5/8"X2-1/4" (X18) 5/8"X2-1/4" (X18) 5/8"X2-1/4" (X16)	D51100 (X1) & D51101 (X1)	D48401 (X2)	5/8"X2-1/4" (X10)
1155D	Straight	R53318 (X1)	3/4"X2-1/2" (X10)	N/A	R53319 (X2)	3/4"X2-1/2" (X4)
D310G	Straight	D38711 (X1)	5/8"X2-1/4" (X6)	N/A	D38712 (X1) & D38713 (X1)	5/8"X2-1/4" (X4)
1450, 1450B, 1550	Tilt	R41857 (X1)	3/4"X2-1/2" (X15)	N/A	R28442 (X1) & R28443 (X1)	3/4"X2-1/2" (X10)
1450	Tilt	R34906 (X1) & R34688 (X2)	3/4"X2-1/2" (X17)	R41858 (X1) & R41859 (X1)	N/A	3/4"X2-1/2" (X10)
1450	Tilt	R41857 (X1)	3/4"X2-1/2" (X15)	R41858 (X1) & R41859 (X1)	N/A	3/4"X2-1/2" (X10)
1450, 1450B, 1550	Tilt	R56772 (X2) R39115 (X2)	3/4"X2-1/2" (X16) 3/4"X2-1/2" (X20)	R39116 (X1) & R39117 (X1)	R41910 (X1) & R41911 (X1)	3/4"X2-1/2" (X12)
1450, 1450B, 1550	Tilt	R37029 (X1) & R37028 (X2)	3/4"X2-1/2" (X19)	R39116 (X1) & R39117 (X1)	R41910 (X1) & R41911 (X1)	3/4"X2-1/2" (X12)



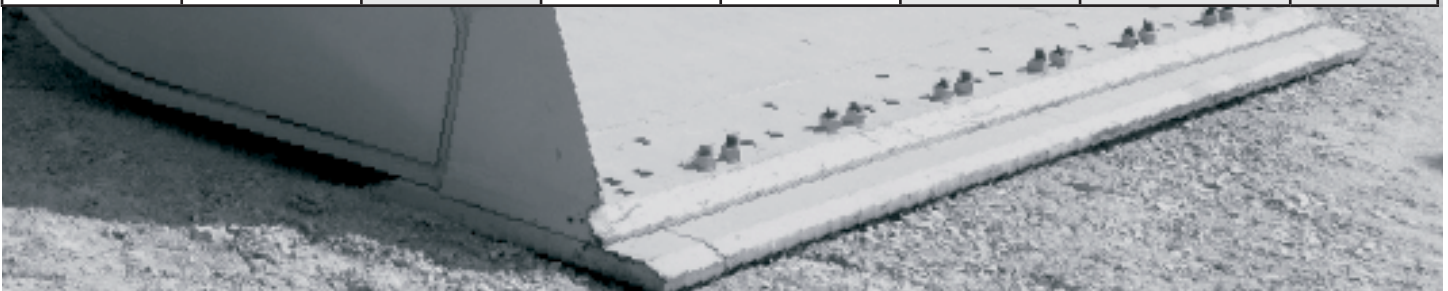
Volvo / Samsung Tooth Applications

VOLVO / SAMSUNG MACHINE MODELS	WELD-ON ADAPTER	ADAPTER STYLE	STD. TOOTH	TOOTH STYLE	PIN	LOCK
E15B, EC20B	D834-2A	Bottom Leg	2AF	H&L Crimp-on	N/A	N/A
EC25, EC30, EC35, EC45	1617-18 119-3205 2740W23	Wrap-Around	18TL 1U3202 230S	Esco Top Pin Cat Side Pin H&L Side Pin	18/20PN 9W7116 23P	18/20LK 8E6209 N/A
EC55, ECR58, EC70	6Y3222 2740W24	Wrap-Around	6Y3222 240S	Cat Side Pin H&L Side Pin	6Y3228 24P	8E6259 N/A
ECR88, EC150	6Y3254	Wrap-Around	1U3252	Cat Side Pin	9J2258	8E6259
EC140B, EC150	3G6304	Wrap-Around	1U3302	Cat Side Pin	9J2308	8E6259
EC160B, EW170, EC210B, EC240B	6I6354	Wrap-Around	1U3352	Cat Side Pin	9J2358	8E6359
EC290B	6I6404	Wrap-Around	7T3402	Cat Side Pin	7T3408	8E8409
EC 330B, EC360B	6I6464	Wrap-Around	9W8452	Cat Side Pin	8E0468	8E8469
EC460B	6I6554	Wrap-Around	9W8552	Cat Side Pin	1U1558	8E5559
EC700	6I6604	Wrap-Around	6I6602	Cat Side Pin	6I6608	6I6609
L20B, L25B, L30B, L35B	1001-23 4T1204	Flushmount	230S 1U3202	H&L Side Pin Cat Side Pin	23P 9W7116	N/A 8E6209
L40B, L45B, L50D, L60E	1U1254	Flushmount	1U3252	Cat Side Pin	9J2258	8E6259
L90E, L110E, L120E	1U1304	Flushmount	1U3302	Cat Side Pin	9J2308	8E6259
L150E, L180E	1U1354	Flushmount	1U3352	Cat Side Pin	9J2358	8E6359
L220E	8E0464	Flushmount	9W8452	Cat Side Pin	8E0468	8E8469
L330E, L350F	3G4554	Flushmount	9W8552	Cat Side Pin	1U1558	8E5559



Volvo Loader Edge Applications

VOLVO MACHINE MODEL	BUCKET SIZE / STYLE	BASE EDGE	BASE EDGE WIDTH	# OF HOLES	BOLT ON CENTER (QTY)	BOLT ON ENDS	BOLT SIZE
L20B, L25B	Straight	2800551	64-15/16"		2812478 (X1)	N/A	
L30B, L35B	Straight	2815913	53-1/16"	6	2812746 (X1)	N/A	
L40B, L45B	Straight			14	11308228 (X1)	11308229 (X2)	
L110E, L110F	Straight	11156764	118-1/32"		11156766 (X1)	11156765 (X2) OR 11011112 (X2)	
L110E, L110F	Straight	11082219 11011630	118-1/32" 133-7/8"		11082755 (X1) 11011631 (X1)	11011154 (X2) 11011112 (X2)	
L110E, L110F, L120B, L120C, L120D, L120E, L120F	Straight	11045693	113-3/8"		11045826 (X1)	11045827 (X1) & 11405828 (X1)	
L120B, L120C, L120D, L120E, L120F	Straight	11045768 11156764 11082219	113-3/8" 118-1/32" 118-1/32"		11045809 (X1) 11156766 (X1) 11082755 (X1)	11045808 (X2) 11156765 (X2) 11011154 (X2)	
L150C, L150D, L150E, L150F	Straight	11111760 11111691 11045300 11045299	133-7/8" 145-5/8" 125-31/32" 145-5/8"		11111776 (X1) 11081066 (X1) 11081068 (X1) 11081066 (X1)	11111775 (X2) 11081069 (X2) 11081069 (X2) 11081069 (X2)	
L150C, L150D, L150E, L150F	Straight	11045586	127-1/8"		11111889 (X1)	11045618 (X2) & 11045619 (X2)	





Bobcat Tooth Applications

BOBCAT MACHINE MODEL	ADAPTER	ADAPTER STYLE	STD. TOOTH	TOOTH STYLE	OEM TOOTH #	PIN	OEM PIN PART #
WT50	1868B	Bolt-on 1 PC. Tooth/ Adapter	N/A	Unitooth	1868B	N/A	N/A
463, 743, 753, S130	2520W2A 835-2A	W/O Flush. W/O Bottom	2AF	Crimp-on	1559917B	N/A	N/A
753, 853, S220, S250	1001-23 834-23	W/O Flush. W/O Bottom	23F	Pin-on	6630424	23P	6567620
823, 863, 883, T300	1001-23 X156FL X156XFL	W/O Flush. B/O Flush. B/O Flush.	23F X156L X156X	Pin-on	6630424 6716001 XXXXXX	23P P156 23P	6576620 14J003732B 6576620
EXCAVATORS	834-23 X156-50 X156-50X	W/O Bottom B/O Double B/O Double	23F X156L X156X	Pin-on	6630424 6716001 XXXXXX	23P P156 23P	6576620 14J003732B 6576620

Bobcat Adapter Assemblies

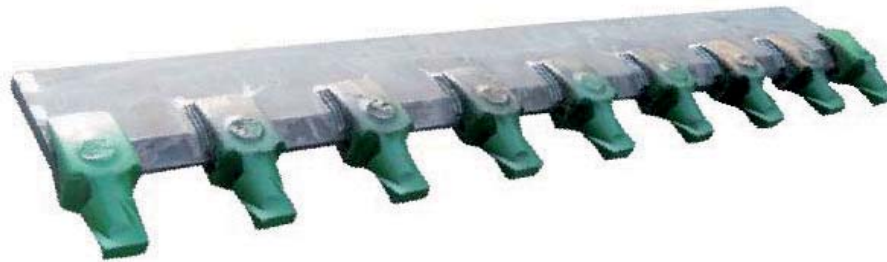
ASSEMBLY PART NUMBER	OEM PART NUMBER	STD. TOOTH	PIN	ADAPTER	ADAPTER STYLE	BOLT
2AFCAF		2AF	N/A	2520W2A	Weld-On Flushmount	N/A
2AFCAW		2AF	N/A	835-2A	Weld-On Bottom Leg	N/A
230CAF	6630397	230S	23P	1001-23	Weld-On Flushmount	N/A
230CAW		230S	23P	834-23	Weld-On Bottom Leg	N/A
X156CA	6717947	X156L	P156	X156FL	Bolt-On Flushmount	5/8"X2-1/2" Flat Head Socket
X156CAX		X156X	23P	X156FL	Bolt-On Flushmount	5/8"X2-1/2" Flat Head Socket
X156CAW	6716002	X156L	P156	X156-50	Bolt-On Double Leg	1/2"X1-3/4" Hex Head



Skidsteer Edge Applications

BUCKET WIDTH / STYLE	WELD ON EDGE	BOLT ON EDGE	BOLTS (QTY)
48"	110X12X1220SBF	150X16X1220DBFH658	5/8"X2" (X8)
48" HD	150X16X1220SBF	203X19X1220DBFH6	3/4"X2-1/4" (X8)
54"	110X12X1372SBF	150X16X1372DBFH658	5/8"X2" (X9)
54" HD	150X16X1372SBF	203X19X1372DBFH6	3/4"X2-1/2" (X9)
60"	150X16X1525SBF	150X16X1525DBH658	5/8"X2-1/4" (X10)
60" HD	150X20X1525SBF	203X19X1525DBFH6	3/4"X2-1/2" (X10)
62"	150X16X1575SBF	150X16X1575DBFH658	5/8"X2-1/4" (X10)
62" HD	150X20X1575SBF	203X19X1575DBFH6	3/4"X2-1/2" (X10)
66"	150X16X1677SBF	150X16X1677DBFH658	5/8"X2-1/4" (X11)
66" HD	150X20X1677SBF	203X19X1677DBFH6	3/4"X2-1/2" (X11)
72"	150X20X1829SBF	150X16X1828DBFH658	5/8"X2-1/2" (X12)
72" HD	200X20X1829SBF	203X19X1828DBFH6	3/4"X2-1/2" (X12)
78"	150X16X1982SBF	150X16X1982DBFH6	3/4"X2-1/2" (X13)
78" HD	200X20X1982SBF	203X19X1982DBFH6	3/4"X2-1/2" (X13)
84"	150X20X2134SBF	150X16X2134DBFH6	3/4"X2-1/2" (X14)
84" HD	200X20X2134SBF	203X19X2134DBFH6	3/4"X2-3/4" (X14)
96"	200X20X2439SBF	150X16X2439DBFH6	3/4"X2-3/4" (X16)
96" HD	250X30X2439SBF	203X19X2439DBFH6	3/4"X3" (X16)

Pre-Welded Adapter / Base Edge Combo



Pre-welded bucket lips, complete with any style of adapters are now available! Bluejay can custom make to your specifications any dimension of bucket lip, with pre-welded on adapters, for quick change of any worn-out bucket lip. Save time and money with quick and easy bucket change outs.

**ASK US ABOUT OUR COMBI SYSTEM
BUCKET CHANGE OUTS SPECIALS!!**

Ground Condition Classifications Table

GROUND CLASSIFICATION	DESCRIPTION	WORKING CONDITIONS	APPLICATION
CLASS 1 Top Soil without stones	Top Layer of Soil	Very little wear or penetration resistance. No impact stresses.	GP
CLASS 2 Wet Ground	Sludge, Mud, Peat.	Little wear. Very little penetration resistance. No impact stresses.	GP
CLASS 3 Light Ground	Sand, Fine Gravel, Sandy Soil, Stone Size up to approx. 2-4 inches.	Moderate wear. Little penetration resistance. No impact stresses.	GP
CLASS 4 Moderately Heavy Ground	Very Stony Ground, Gravel, Stones. Stone Size above 2-4 inches.	Considerable wear. Some penetration resistance. Moderate impact stresses.	GP / HD
CLASS 5 Dense, Moderately Heavy Ground	Till, Rigid Clay, Sand-Clay Mix, Moraine, Marl.	Considerable wear. Moderate penetration. Little impact stresses, some breakage stresses.	HD
CLASS 6 Dense Heavy Ground	Hard Marl and Clay, Frozen Ground Hard Sandy Ground, Hard Stony Soil Stone Size up to approx. 8 inches	Considerable wear and penetration resistance. Considerable impact stresses and breakage stresses.	HD
CLASS 7 Lighter Rock	Loose Rock, Crumbled Rock, Slate, Very Hard Ground with Stones, approx 8 inches or bigger.	Usually considerable wear, and penetration resistance, impact stresses and breakage stresses.	XHD
CLASS 8 Heavy Rock	Blasted Rock, Size over 3.53 cu. ft.	Very significant wear, impact and breakage stresses. Considerable penetration resistance.	XHD



combi wear parts MOVE THE EARTH

Tight fit between adapter and tooth - minimum play, maximum performance.

C-Lock - quick, secure, user-friendly and shielded from external impact

Very robust, low profile adapter - optimum strength and efficiency

Special, self-sharpening tooth - a wear ratio of up to 70%



Tooth protects the adapter - superior service life.

Patented protection - teeth worn through from the underside remain firmly in place.

The Combi Parts System

Combi Parts is an integrated system of earthmoving tools for excavators and loaders. The system is both innovative and well proven in the field. Its outstanding success is largely due to the unique coupling geometry. Simplicity, user-friendliness and cost-efficiency are amongst the goals set for all the designs.

Benefits to the Combi System:

- Market Leader in Wear ratio. Longer life reduces downtime. Usable cost per pound greatly exceeds standard systems. Combi uses up to 70% of tooth material for wear, were as CAT systems can use as little as 35%
- High-strength, low-profile components. Weight savings means increased efficiency, decreased operating costs.
- Has a wide range of adapter & tooth profiles. Maximum versatility and optimum penetration in any condition.
- Offers large choice in wear edge and shroud combinations. Prolonged bucket life reduces operating costs.
- Is a total solution, puts both the user and the environment in focus.
- Comes with a full warranty against breakage AND tooth loss!

CALL TODAY FOR SPECIAL PRICING ON CONVERTING YOUR BUCKET TO THE SUPERIOR COMBI SYSTEM!!

Combi Excavator Fit Reference Chart

EXCAVATOR	MAXIMUM BREAKOUT FORCE (lbf)		
COMBI SERIES	GENERAL PURPOSE (GP)	HEAVY DUTY (HD)	EXTRA HEAVY DUTY (XHD)
MINI	7865 lbf	6292 lbf	5034 lbf
MIDI	12,360 lbf	9888 lbf	7910 lbf
C0	15,730 lbf	12,584 lbf	10,067 lbf
C1	21,348 lbf	17,079 lbf	12,663 lbf
C2	33,708 lbf	26,966 lbf	21,575 lbf
C3	49,438 lbf	39,551 lbf	31,640 lbf
C3.5	64,494 lbf	51,696 lbf	41,276 lbf
C4	79,326 lbf	63,461 lbf	50,769 lbf
C5	118,876 lbf	95,101 lbf	76,081 lbf

Combi Loader Fit Reference Chart

LOADER	MAXIMUM BREAKOUT FORCE (lbf)		
COMBI SERIES	GENERAL PURPOSE (GP)	HEAVY DUTY (HD)	EXTRA HEAVY DUTY (XHD)
MINI	12,584 lbf	9438 lbf	7101 lbf
MIDI	18,876 lbf	14,157 lbf	10,625 lbf
C0	25,169 lbf	18,876 lbf	14,202 lbf
C1	31,775 lbf	23,831 lbf	17,930 lbf
C2	41,528 lbf	31,146 lbf	23,434 lbf
C3	69,213 lbf	51,910 lbf	39,056 lbf
C3.5	90,292 lbf	67,719 lbf	50,951 lbf
C4	111,056 lbf	83,292 lbf	62,667 lbf
C5	166,427 lbf	124,820 lbf	93,912 lbf

Combi Excavator Tooth & Wear Edge Profiles



TEETH & ADAPTERS



T5



Good penetration and excellent wear resistance from a traditional, chisel-shaped tooth. Widely used for general excavation in tough conditions

T6



Converts a bucket with teeth into a straight-edged clean-up bucket. Ideal for backfilling and cleaning.

T7



The tooth for maximum penetration. Makes light work of hard surface layers and frozen ground.

T25



Used primarily in a corner position with the T7, this tooth provides the penetration demanded by hard surfaces.

T35



Maximum Penetration from a conventionally shaped tooth. Perfect for general excavation work.

T58



Self-sharpening tooth with outstanding wear resistance, particularly suitable for quarries or sites that present highly abrasive ground conditions.

A5



Adapter with 2 long legs used with square base edges. With form grooves for the S1 Shroud. Shroud is held in by the teeth.

A8E



A standard 1-1/2 Leg excavator adapter designed for the most basic and most extreme conditions.

A8C



A corner used in conjunction with the A8E adapter. Designed to ensure an extremely secure fit to the base edge & side plate.

A8EB



An adapter with a long lower leg and short upper to cover only the level of the base edge. Used for smaller equipment.

WEAR EDGES

S1



This shroud can be cut to length and used with the A5 adapter. The bucket base edge remains protected and penetration remains unaffected, with the ability to change out the worn out shroud at substantial savings.

S4



Used to protect the bucket base edge between the adapters, this universal shroud can be weld or bolted into place.

16204



This shroud can be cut to length and mounted between adapters. Mounted by welding to the base edge or adapters.

Combi Loader Tooth & Wear Edge Profiles



TEETH & ADAPTERS



T1



Good Penetration and excellent wear from a traditional, chisel shaped tooth. Widely used in basic to high abrasion ground conditions..

T2



Basic loader tooth with added wear material on the underside. Ideal when the lower part of the adapter needs protection.

T3



A general purpose tooth that has a wider tip and more wear material on the sides. Suitable for more abrasive ground conditions.

T29



In both general and highly abrasive environments. This all around tooth is popular for its excellent penetration.

T48



Outstanding wear resistance combined with a high level of penetration. This tooth provides extra protection for the lower part of the adapter.

C-Tool & C-Lock



Basic lock for the Combi system, Consists of forged steel profile and vulcanized rubber core. The C-Tool is used for installation and removal of the C-Lock in the Combi System.

A1



Versatile, top mounted adapter designed for use in general conditions when a smooth bucket underside is required.

A8L



A 1-1/2 top leg adapter. Designed for all types of conditions.

BA



This adapter can be easily bolted to the base edge. Primarily intended for applications with low-impact levels.

BAC



A corner adapter that is bolted to the side plate of the bucket. Used in conjunction with the BA adapter.

WEAR EDGES

15206



This half -arrow style shroud is bolted to the base edge to provide base edge protection between the adapters.

15208



Traditionally shaped, bottom mounted shroud that, bolted to the base edge, provides protection between adapters

16207



This shroud can be cut to length and mounted between adapters. Mounted by welding to the base edge or adapters.

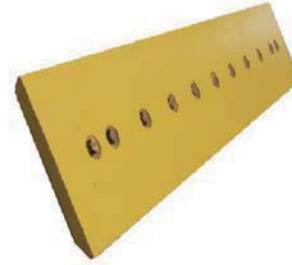
Italricambi Cutting Edge Profiles

SINGLE BEVEL FLAT



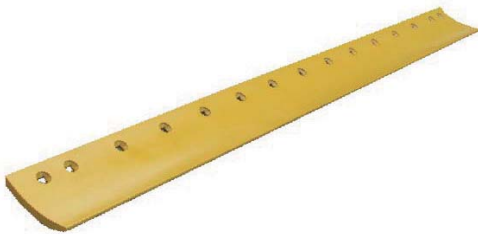
Commonly used as a weld on cutting edge, welded to the base edge of a bucket. Also used as a base edge, it can be made with or without holes to accommodate bolt on cutting edges, adapters or Wear Segments. Made with high quality Italian Steel. Supplied as a heat treated steel for wear or high carbon for base edges. Can be custom drilled or cut to fit almost any application.

DOUBLE BEVEL FLAT



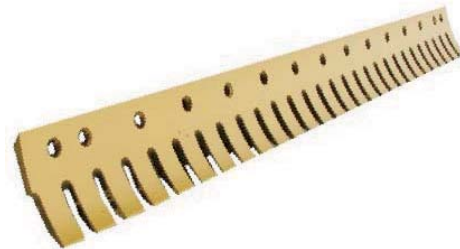
Meant generally as a bolt-on wear edge for Loaders, Dozers, Graders, Scrapers, backhoes and excavators. Almost always supplied with bolt holes center drilled (except for graders) to allow for the edge to be reversed when leading edge is worn out. Also available with out holes for custom weld-on applications. Supplied only in heated diamond steel. Can be custom drilled or cut to fit machine needs.

DOUBLE BEVEL CURVED



Double bevel curved edges are primarily used in grader or plow applications. Generally supplied with square countersunk holes located at the top of the blade. Can be custom ordered with no holes or specialized punching to suit application. Made with High Quality Italian steel. Standard is heat treated diamond steel. Some smaller sizes of blades are made from high-carbon steel.

SERRATED



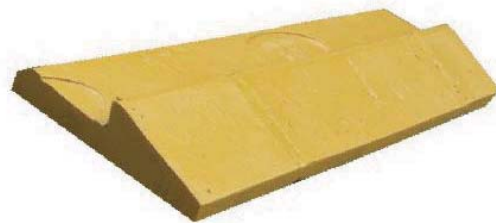
Serrated, or ice, edges can be made from single bevel flat, double bevel flat or double bevel curved. Used to help the cutting edge penetrate the ground better. The serrations can be put on one side or both sides for reversible edges. The teeth are made with standard width and gap spacing, which depends on thickness, length and width, however custom serrations can be cut to specification.

SQUARE EDGE FLAT



Square Edge Flat material is general used for front mounted snow plows. It also be found for some application specific base edges for excavators and loaders. Usually made bolt-on with holes either at the top or in the center, for reversible applications. Holes can be countersunk, round or square depending on style of bolt being used. Material is usually high carbon Italian steel.

HALF ARROW



Half Arrow is a wear steel that can be either bolt-on or weld-on. Generally designed for loader bucket applications, it is sometimes used as a replacement cutting edge for excavators as well. Sold either in bulk lengths or cut into segments, the half arrow is made from a heat-treated boron steel. Custom holes and cutting lengths are also available.

PRO-TUFF Bucket Tooth Profiles

EXCAVATORS

STANDARD LONG



Used for a multi-purpose general duty tooth. It is a good choice for most basic jobs. Available in all styles of teeth for all sizes of equipment.

EXTRA



Premium designed tooth for max. Penetration and duration. Penetrative tip with the self sharpening rib, and reinforced box mean a specialized tooth for rock and all abrasive terrain.

ROCK CHISEL



Best used in rock or hard ground, the tooth remains sharp through out its life. Takes pressure off machine & bucket helping improve performance & lifespan.

TIGER



Gives unmatched penetration in frost, rock or hardpan conditions, as well as remaining sharp. It has little wear material so the life span of the tooth is shortened

TWIN TIGER



Similar to the tiger tooth, only with more penetration but less leverage. It will last longer than the tiger but requires more breakout force from the machine.

PENETRATION



For good penetration tooth that offers a continually sharp point with more wear material than a tiger or twin tiger profile, this is the best choice. Available in Caterpillar style only.

ROCK ABRASION



This tooth is similar to a rock chisel profile, only with a lot more wear material on the underside of the tooth. An excellent choice in any high abrasion application.

HEAVY DUTY LONG



General purpose tooth similar to the standard long, only with more wear material throughout the tooth. This allows for longer wear life on the bucket tooth.

SYL



Good penetration and digging action in most medium to hard pack conditions. A vertical rib on both sides of the tooth maintains a sharp point and average wear material.

RIBBED



Designed for a wide variety of operating conditions. Penetrative tip, strengthening rib and constant thickness, gives a good balance of resistance & penetration.

LOADERS

STANDARD LONG



Used for a multi-purpose general duty tooth. It is a good choice for most basic jobs. Available in all styles of teeth for all sizes of equipment.

ABRASION



The abrasion tooth offers similar applications as the standard only with a wider tip and an extra wear panel on the bottom of the tooth. This tooth may also be found on log grapples.

ROCK ABRASION



This tooth is similar to a rock chisel profile, only with a lot more wear material on the underside of the tooth. An excellent choice in any high abrasion application.

HEAVY DUTY LONG



A general purpose tooth similar to the standard long, only with more wear material throughout the tooth. This allows for longer wear life on the tooth.

PRO-TUFF Bucket Adapter Profiles

FLUSHMOUNT



Used exclusively on loaders, this adapter sits on the top of the bucket lip, to allow for the loader to scrap clean. Available only in Caterpillar and H&L Styles. A notched left and right hand adapter is available in select Caterpillar sizes only.

1-1/2 LONG LEG TOP



Meant generally for loaders, this adapter can also be used on excavators. The loader application is good for buckets using a wear edge or lip protector between adapters. Available in Caterpillar, Hensley, H&L, Komatsu and Esco Styles. An angled left and right hand adapter is available in select Cat sizes only. This adapter should not be found on Cat or Komatsu excavators!

1-1/2 LONG LEG BOTTOM



Used exclusively on excavators, this adapter wraps around the lip with the longest leg on the bottom to provide support. Available in Caterpillar, and Komatsu Styles. A notched left and right hand adapter is available in select Caterpillar sizes only.

1-1/4 LONG LEG BOTTOM



Used exclusively on excavators and backhoes, this adapter wraps around the lip with the longest leg on the bottom to provide support. Available for small Caterpillar, H&L Styles & most Esco Styles.

WELD-ON NOSE



A cost effective option for replacing worn out noses or for use on log grapples. Available in all Caterpillar Style, most Esco Styles as well as select Hensley style sizes.

2-LEG BOLT-ON



Generally used only on loaders, the double leg bolt-on adapter works well for operators to easily change their existing bucket into a clean-up bucket by simply removing the adapters. May have 2 or 3 bolt holes. Available in select Caterpillar & Hensley style sizes only. Right & left hand adapters are available for Caterpillar only.

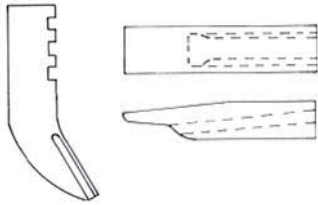
FLUSH BOLT-ON



Exclusively for small loaders, this adapter allows operators to easily change their existing bucket into a clean-up bucket by simply removing the adapters. Available in select Hensley style sizes only.

PRO-TUFF Ripper Product Profiles

SCARIFIER



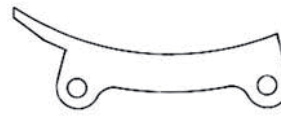
Found usually on motor graders, this is a bolt-on shank that utilize a slip-on pinless tooth. Available only in Caterpillar style.

RIPPER SHANKS



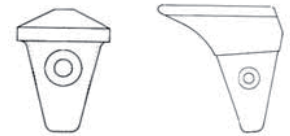
Available for single or multi shank set-ups. These shanks bolt to the back of a bulldozer or excavator bucket. Available only for Caterpillar style.

SHANK GUARDS



Pins on to the ripper shank to protect the shank from wear. There are various styles of shank guards for different applications.

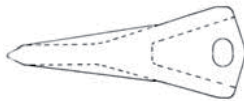
NOSE/SEGMENT



An economical alternative to replacing the entire ripper shank, just replace the nose or the lower segment. Weld into place after cutting out the worn out section.

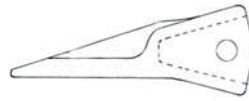
RIPPER TEETH

CENTERLINE - STANDARD



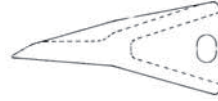
This design is similar to any standard bucket tooth. For general ripping conditions.

NONCENTERLINE - PENETRATION



Designed with a rib, and offset, this tooth is designed to give max. Penetration in tough ripping conditions.

NONCENTERLINE - TIGER



Similar in design to the Penetration, only with a sharp pointed tip for ripping compacted conditions.

NONCENTERLINE - LIPPED

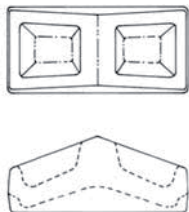


Same design as a penetration, with no rib, and has a lip at the top of the pocket, to protect the shank.

PRO-TUFF Caterpillar Compactor Product Profiles

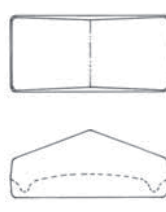
COMPACTOR FEET

STANDARD



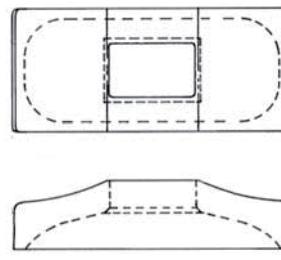
Available in three different styles, bolt-on, weld-on & pin-on. Used for any standard compacting conditions on articulating dozers.

ROCK



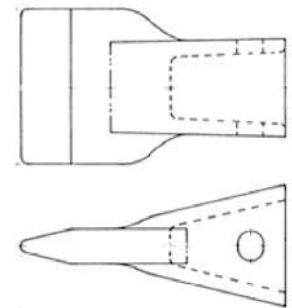
The rock tamping foot is only available in two different styles, pin-on or weld-on. This foot is used for any compacting conditions where rock or hard items are a concern.

BASE



Weld-on bases are used as a platform to mount the standard or the rock tamping shoes to.

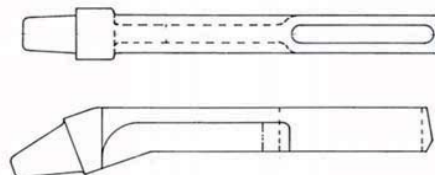
CLEANER TOOTH

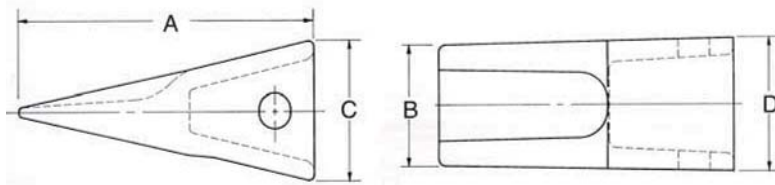


The cleaner tooth is a flared standard tooth, designed especially for use on compactors.

CLEANER BAR

Cleaner bars are for use with the cleaner teeth. Mounts directly onto the articulating dozer.



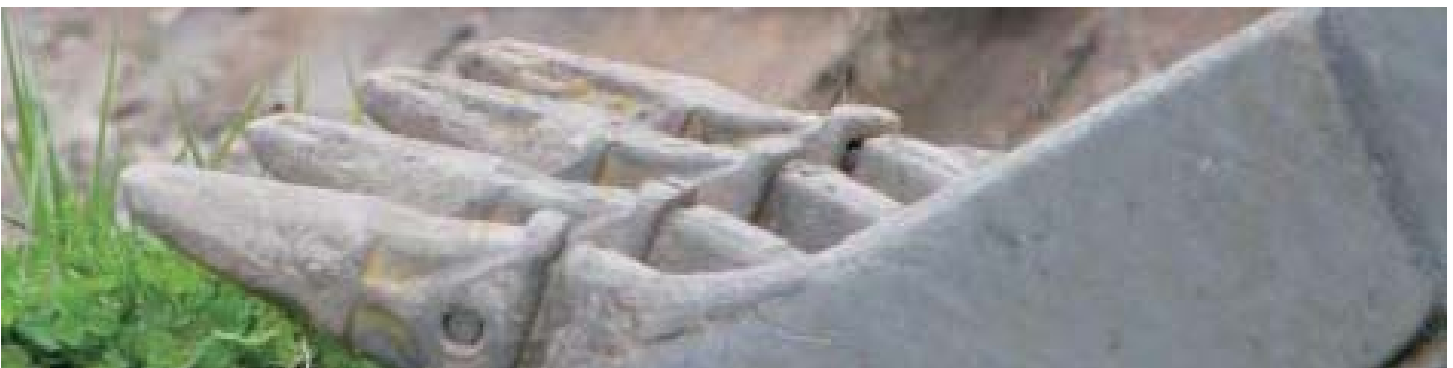


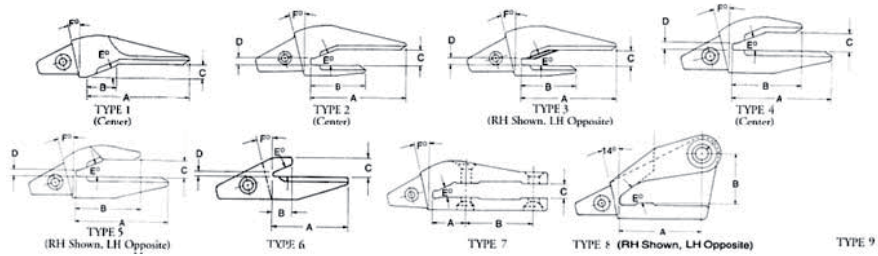
PRO-TUFF Caterpillar Style Bucket Teeth Specs.

PART #	TYPE	FAMILY	WGHT (LBS)	A	B	C	D	PIN	SLEEVED LOCK
1U3202	STD. LONG	J200	3.20	5-11/16"	2"	2-1/2"	2-3/8"	9W7112	8E6209
1U3202T	TIGER	J200	2.90	6-1/2"	1/4"	2-1/2"	2-3/8"	9W7112	8E6209
1U3202WT	TWIN TIGER	J200	3.10	6-1/2"	3"	2-1/2"	2-3/8"	9W7112	8E6209
6Y3222	STD. LONG	J220	4.60	6-5/8"	2-1/4"	3-3/16"	2-19/16"	6Y3228	8E6259
1U3252	STD. LONG	J250	7.10	7-11/16"	2-7/16"	3-7/16"	3"	9J2258	8E6259
1U3252T	TIGER	J250	6.90	8"	1/4"	3-7/16"	3"	9J2258	8E6259
1U3252WT	TWIN TIGER	J250	7.90	8"	3-1/2"	3-7/16"	3"	9J2258	8E6259
9N4252	HD LONG	J250	8.20	7-7/8"	2-7/16"	3-7/16"	3"	9J2258	8E6259
9J4259	PENETRATION	J250	6.60	7-11/16"	1-1/4"	3-7/16"	3"	9J2258	8E6259
4T2253	ABRASION	J250	7.30	7-9/16"	3-1/8"	3-7/16"	3"	9J2258	8E6259
4T2253RP	ROCK ABRASION	J250	11.50	9-3/16"	2-5/8"	3-7/16"	3"	9J2258	8E6259
1U3302	STD. LONG	J300	10.30	8-9/16"	3"	4"	3-5/16"	9J2308	8E6259
1U3302E	EXTRA	J300	12.10	9-13/16"	1-7/8"	4"	3-5/16"	9J2308	8E6259
1U3302R	RIBBED	J300	9.70	9-1/8"	1-3/4"	4"	3-5/16"	9J2308	8E6259
1U3302RC	ROCK CHISEL	J300	12.10	9-3/4"	2-7/8"	4"	3-5/16"	9J2308	8E6259
1U3302SYL	FLAT PENETRATOR	J300	11.20	8-9/16"	3-1/4"	4"	3-5/16"	9J2308	8E6259
1U3302TL	TIGER	J300	9.70	9-1/2"	1/4"	4"	3-5/16"	9J2308	8E6259
1U3302WTL	TWIN TIGER	J300	11.60	9-1/2"	4-3/16"	4"	3-5/16"	9J2308	8E6259
9N4302	HD LONG	J300	12.30	8-11/16"	2-3/4"	4"	3-5/16"	9J2308	8E6259
9J4309	PENETRATION	J300	8.60	8-11/16"	1-9/16"	4"	3-5/16"	9J2308	8E6259
9N4303	HD ABRASION	J300	12.90	8-5/8"	4-1/2"	4"	3-5/16"	9J2308	8E6259
4T2303RP	ROCK ABRASION	J300	18.60	10-1/2"	3-5/16"	4"	3-5/16"	9J2308	8E6259
4T2303	ABRASION	J300	11.00	8-5/8"	4"	4"	3-5/16"	9J2308	8E6259

PART #	TYPE	FAMILY	WGHT (LBS)	A	B	C	D	PIN	SLEEVED LOCK
1U3352	STD. LONG	J350	14.30	9-1/2"	3-11/16"	4-1/4"	4"	9J2358	8E6359
1U3352E	EXTRA	J350	15.40	11"	2-7/16"	4-1/4"	4"	9J2358	8E6359
1U3352R	RIBBED	J350	12.30	10-1/4"	2-1/4"	4-1/4"	4"	9J2358	8E6359
1U3352RC	ROCK CHISEL	J350	17.40	11"	3-3/8"	4-1/4"	4"	9J2358	8E6359
1U3352SYL	FLAT PENETRATOR	J350	16.10	9-7/8"	4-1/4"	4-1/4"	4"	9J2358	8E6359
1U3352TL	TIGER	J350	13.20	11-1/4"	1/4"	4-1/4"	4"	9J2358	8E6359
1U3352WTL	TWIN TIGER	J350	14.30	11-1/4"	4-3/4"	4-1/4"	4"	9J2358	8E6359
9N4352	HD LONG	J350	18.70	10-1/16"	3-7/16"	4-1/4"	4"	9J2358	8E6359
9J4359	PENETRATION	J350	12.30	9-7/8"	2"	4-1/4"	4"	9J2358	8E6359
4T2353	ABRASION	J350	16.80	9-1/4"	4-5/16"	4-1/4"	4"	9J2358	8E6359
9N4353	HD ABRASION	J350	18.70	10-1/16"	3-7/16"	4-1/4"	4"	9J2358	8E6359
4T2353RP	ROCK ABRASION	J350	21.60	11-7/16"	3-13/16"	4-1/4"	4"	9J2358	8E6359
7T3402	STD. LONG	J400	18.70	10-5/16"	4-1/16"	4-7/8"	4-9/16"	7T3408	8E8409
7T3402E	EXTRA	J400	23.60	12"	2-1/2"	4-7/8"	4-9/16"	7T3408	8E8409
7T3402RC	ROCK CHISEL	J400	22.50	11-3/4"	3-1/2"	4-7/8"	4-9/16"	7T3408	8E8409
7T3402TL	TIGER	J400	21.60	12-3/4"	1/4"	4-7/8"	4-9/16"	7T3408	8E8409
7T3402WTL	TWIN TIGER	J400	23.80	12-5/16"	5-7/16"	4-7/8"	4-9/16"	7T3408	8E8409
8E4402	HD LONG	J400	29.20	11-3/8"	4-7/16"	4-7/8"	4-9/16"	7T3408	8E8409
7T3402RP	ROCK ABRASION	J400	33.50	12-5/8"	3-1/4"	4-7/8"	4-9/16"	7T3408	8E8409
9W8452	STD. LONG	J450 J460	26.20	11-1/2"	4-5/16"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
1U3452E	EXTRA	J450 J460	32.40	13-9/32"	2-1/8"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
1U3452R	RIBBED	J450 J460	25.20	12-1/2"	2-5/16"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
1U3452RC	ROCK CHISEL	J450 J460	31.20	13"	4-1/4"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9W8452SYL	FLAT PENETRATOR	J450 J460	28.10	12-5/8"	5-3/16"	5-1/8"	5-3/16"	1U1458 8E0468	8E6359 8E8469
1U3452TL	TIGER	J450 J460	28.70	14-1/16"	1/4"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469

PART #	TYPE	FAMILY	WGHT (LBS)	A	B	C	D	PIN	SLEEVED LOCK
1U3452WTL	TWIN TIGER	J450 J460	33.10	14-1/16"	6-7/16"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9N4452	HD LONG	J450 J460	34.00	12-1/2"	4-1/2"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9J4459	PENETRATION	J450 J460	26.00	11-5/8"	2"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9W1453	ABRASION	J450 J460	31.70	11-5/8"	5-5/8"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9N4453	HD ABRASION	J450 J460	49.50	12-5/16"	6-1/2"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9W1453RP	ROCK ABRASION	J450 J460	49.90	13-7/8"	5-5/8"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9W1453RP3	HD ROCK ABRASION	J450 J460	55.90	14"	5-5/8"	5-1/8"	5-1/4"	1U1458 8E0468	8E6359 8E8469
9W8552	STD. LONG	J550	46.20	13-3/16"	5-5/8"	5-3/4"	6-1/8"	1U1558	8E5559
1U3552E	EXTRA	J550	45.00	14-3/4"	3-1/8"	5-3/4"	6-1/8"	1U1558	8E5559
1U3552RC	ROCK CHISEL	J550	51.60	15"	5-1/8"	6-1/8"	6-1/4"	1U1558	8E5559
1U3552TL	TIGER	J550	36.00	15"	1/4"	5-3/4"	6-1/8"	1U1558	8E5559
1U3552WTL	TWIN TIGER	J550	42.10	15"	7-1/4"	5-3/4"	6-1/8"	1U1558	8E5559
9N4552	HD LONG	J550	54.20	14-9/16"	5-1/2"	6-3/8"	6-1/16"	1U1558	8E5559
9W8559	PENETRATION	J550	36.90	13-1/4"	2-5/8"	5-3/4"	6"	1U1558	8E5559
9W1553	ABRASION	J550	51.50	13-1/8"	7"	5-13/16"	6-1/4"	1U1558	8E5559
9W1553RP	ROCK ABRASION	J550	61.20	14-3/16"	6-1/8"	6-1/16"	6-1/4"	1U1558	8E5559
9W1553RP3	HD ROCK ABRASION	J550	69.90	15-1/4"	6-1/8"	6-1/4"	6-1/4"	1U1558	8E5559
6Y2553	HD ABRASION	J550	71.00	14"	7-1/2"	6-7/32"	6-1/4"	1U1558	8E5559
6I6602	STD.LONG	J600	72.00	15"	6-1/2"	7-1/4"	7-3/4"	6I6608	6I6609
6I6602RC	ROCK CHISEL	J600	87.00	18"	6-3/8"	7-1/4"	7-3/4"	6I6608	6I6609

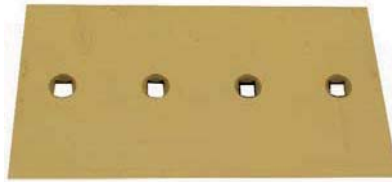




PRO-TUFF Caterpillar Style Adapters Specifications

PART #	TYPE	FAMILY	WGHT (LBS)	A	B	C	D	E (DEG)	F (DEG)	PIN	SLEEVED LOCK
4T1204	1	J200	4.40	7-1/4"	1/2"	1"		23	13	9W7116	8E6209
1U1254	1	J250	14.30	9-1/4"	2"	1"		22	13	9J2258	8E6259
1U1304	1	J300	19.40	9-3/8"	2-5/16"	1-1/16"		22	14	9J2308	8E6259
1U1354	1	J350	31.70	11-1/4"	3-3/4"	1-1/2"		22	14	9J2358	8E6359
8E0464	1	J460	57.00	12-1/2"	4-1/8"	2-3/16"		23	13	8E0468	8E8469
3G4554	1	J550	80.50	14-7/8"	5"	2-11/16"		23	14	1U1558	8E5559
2740-416	2	J200	3.50	5"	2-5/8"	1-3/32"	7/32"	30	12	9W7116	8E6209
114-0464	2	J460	50.00	10-3/8"	6-7/8"	2-1/8"	3/4"	22	12	8E0468	8E8469
107-3554	2	J550	76.50	14-1/4"	12-5/8"	2-5/8"	1-1/16"	22	15	1U1558	8E5559
114-0465	3-RH	J460	55.10	12-1/2"	9"	2-1/8"	3/4"	22	12	8E0468	8E8469
114-0466	3-LH	J460	55.10	12-1/2"	9"	2-1/8"	3/4"	22	12	8E0468	8E8469
107-3555	3-RH	J550	81.70	15"	13-3/8"	2-5/8"	1-1/16"	22	15	1U1558	8E5559
107-3556	3-LH	J550	81.70	15"	13-3/8"	2-5/8"	1-1/16"	22	15	1U1558	8E5559
119-3204	4	J200	3.20	4-1/4"	3-1/8"	1-3/16"	3/8"	22	8	9W7116	8E6209
119-3205	4	J200	3.30	4-1/4"	3-1/8"	7/8"	3/8"	22	8	9W7116	8E6209
6Y3224	4	J220	7.30	5-9/16"	3-11/16"	1-1/16"	7/16"	22	8	6Y3228	8E6259
6Y3254	4	J250	11.20	6-1/8"	5"	1-3/16"	3/8"	22	9	9J2258	8E6259
3G6304	4	J300	18.00	8"	4-9/16"	1-5/16"	9/16"	22	8	9J2308	8E6259
6I6354	4	J350	27.20	9"	7-1/4"	1-13/16"	9/16"	22	12	9J2358	8E6359
6I6404	4	J400	33.50	9-7/8"	7-3/4"	1-7/8"	3/4"	22	9	7T3408	8E8409
8E6464HD	4	J460	46.50	11-1/8"	7-3/8"	2"	7/16"	24	9	8E0468	8E8469
6I6554	4	J550	77.00	13-1/4"	11"	2-9/16"	1-1/16"	22	9	1U1558	8E5559
6I6604	4	J600	126.00	14-1/2"	12"	3-11/16"	1-3/8"	22	9	6I6608	6I6609
3G6305	5-RH	J300	17.50	8"	4-9/16"	1-5/16"	9/16"	22	9	9J2308	8E6259
3G6306	5-LH	J300	17.50	8"	4-9/16"	1-5/16"	9/16"	22	9	9J2308	8E6259
3G8355	5-RH	J350	19.60	8-1/4"	4-3/4"	1-11/16"	5/8"	23	8	9J2358	8E6359

PART #	TYPE	FAMILY	WGHT (LBS)	A	B	C	D	E (DEG)	F (DEG)	PIN	SLEEVED LOCK
3G8356	5-LH	J350	19.60	8-1/4"	4-3/4"	1-11/16"	5/8"	23	8	9J2358	8E6359
8E2455	5-RH	J460	44.60	11-1/8"	7-3/8"	2"	7/16"	24	9	8E0468	8E8469
8E2456	5-LH	J460	44.60	11-1/8"	7-3/8"	2"	7/16"	24	9	8E0468	8E8469
8J7525	6	J200	3.10	3-15/16"	1"	1"	1/4"	23	14	9W7116	8E6209
3G0169	6	J250	11.70	7-1/2"	2-5/16"	2"	5/16"	22	15	9J2258	8E6259
9J4207	7	J200	8.50	2-5/8"	3-1/2"	13/16"		30	14	9W7116	8E6209
1U0257	7	J250	18.00	2-3/4"	4-7/8"	1-1/16"		23	14	9J2258	8E6259
1U0307	7	J300	25.40	2-3/4"	4-7/8"	1-1/16"		23	14	9J2308	8E6259
4T4307	7	J300	29.30	3-3/16"	6-1/2"	1-5/16"		23	14	9J2308	8E6259
3G9307	7	J300	31.90	3-3/8"	6-5/16"	1-5/16"		23	14	9J2308	8E6259
3G3357	7	J350	43.90	3-7/8"	5-7/8"	1-11/16"		23	14	9J2358	8E6359
1U1357	7	J350	44.70	4-1/32"	6-1/8"	1-13/16"		20	14	9J2358	8E6359
6I9898	7	J400	54.80	4-3/32"	6-1/8"	1-1/4"		23	14	7T3408	8E8409
1U2208	8-LH	J200	8.40	4-3/4"	2-3/16"	13/16"	2-1/8"	43		9W7116	8E6209
1U2209	8-RH	J200	8.40	4-3/4"	2-3/16"	13/16"	2-1/8"	43		9W7116	8E6209
3G4258	8-LH	J250	22.90	5-3/4"	4-3/16"	1-1/16"	3"	43		9J2258	8E6259
3G4259	8-RH	J250	22.90	5-3/4"	4-3/16"	1-1/16"	3"	43		9J2258	8E6259
3G4308	8-LH	J300	34.90	7"	4-3/4"	1-1/16"	4-1/16"	39		9J2308	8E6259
3G4309	8-RH	J300	34.90	7"	4-3/4"	1-1/16"	4-1/16"	39		9J2308	8E6259
3G8308	9-LH	J300	35.90	8"	5-1/2"	1-9/16"	5-1/8"	47		9J2308	8E6259
3G8309	8-RH	J300	35.90	8"	5-1/2"	1-9/16"	5-1/8"	47		9J2308	8E6259
3G5358	8-LH	J350	50.20	8-17/32"	5-5/8"	1-9/16"	5-3/32"	38		9J2358	8E6359
3G5359	8-RH	J350	50.20	8-17/32"	5-5/8"	1-9/16"		38		9J2358	8E6359
1U1358	8-LH	J350	49.70	9-1/8"	5-3/4"	1-5/8"		45		9J2358	8E6359
1U1359	8-RH	J350	49.70	9-1/8"	5-3/4"	1-5/8"		45		9J2358	8E6359
6I8243	8-LH	J400	83.00	10-3/4"	8-1/8"					7T3408	8E8409
6I8244	8-RH	J400	83.00	10-3/4"	8-1/8"					7T3408	8E8409
8J7525WN	9	J200	2.40	2-5/16"	2-1/4"	15/16"	7/16"			9W7116	8E6209
6Y3224WN	9	J220	3.70	3-3/16"	2-9/16"	1-1/8"	7/16"			6Y3228	8E6259
9J4254WN	9	J250	5.10	3-1/4"	2-3/4"	1-1/8"	1/2"			9J2258	8E6259
9J4304WN	9	J300	8.80	3-1/2"	3-1/2"	1-1/2"	7/8"			9J2308	8E6259
9J4354WN	9	J350	10.70	4"	4"	1-1/4"	1/2"			9J2358	8E6359
8E6464WN	9	J460	19.80	5-1/8"	5"	1-1/2"	1/2"			8E0468	8E8469
9J4554WN	9	J550	29.60	5-1/2"	5-3/4"	1-3/4"	3/4"			1U1558	8E5559



Caterpillar Style Cutting Edge Specifications

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
1006666	DBF		11-35/64"	14-11/64"	1-3/16"	1.77-8-1.77	2	1-1/4"X4"
1006668	DBF	308	55-1/4"	14-3/8"	1-3/8"	10.75-17.812...	3	1-1/4"X4"
1016420	DBF							1-1/4"X4"
1016421	DBF							1-1/4"X4"
1016422	DBF							1-1/4"X4"
1016423	DBF							1-1/4"X4"
1016424	DBF							1-1/4"X4"
1016776	SBF		244-7/8"	21-1/8"	4"		40	N/A
1019350	DBF	400	52-1/2"	19"	1-1/2"	2.375-3.375-3.375-13.75...	9	1-1/4"X4"
1019351	DBF	410	56"	19"	1-1/2"	14-3.375-3.375-14.5...	6	1-1/4"X4"
1019352	DBF	410	56"	19"	1-1/2"	14-3.375-3.375-14.5...	6	1-1/4"X4"
1019435	DBF	119	13-5/8"	19"	1-5/8"	3.437-3.375..	3	1-1/4"X4"
1019436	DBF	135	13"	22-13/16"	1-5/8"	3.375-3.375..	3	1-1/4"X4"
1019437	DBF	135	13"	22-13/16"	1-5/8"	3.375-3.375..	3	1-1/4"X4"
1093118	DBF							
1321073	DBF							
1U0292	DBF	122	45-3/4"	11"	1"	7.25-14.75...	3	1"X3"
1U0293	DBF	11.60	37"	11"	1"	6.06-2.437..	3	1"X3"
1U0294	DBF	12.30	34-5/8"	11"	1"	5.687-11.625..	3	1"X3"
1U0295	DBF	8.60	40-38"	11"	1"	6.5-13.25..	3	1"X3"
1U0591	DBF	191	43-9/16"	14-1/4"	1-1/8"	7.125-14.5..	3	1-1/4"X4"
1U0592	DBF	202	48-3/8"	14"	1-1/8"		3	1-1/4"X4"
1U0593	DBF	236	51-7/8"	14-1/4"	1-1/8"	8.25-16.875..	3	1-1/4"X4"
1U0599	DBF	172	38-7/8"	14-1/4"	1-1/8"	6.875-12.625..	3	1"X3"
1U0600	DBF	193	42-1/2"	14-1/4"	1-1/8"	6.8125-13.8125..	3	1"X3"
1U0601	DBF	212	47-1/2"	14-1/4"	1-1/8"	7.5-15.25...	3	1"X3"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
1U0605	DBF	98	33-1/2"	11"	1"	5.5-11.25..	3	1"X3"
1U0607	DBF	128	41"	11"	1"	6.75-13.75..	3	1"X3"
1U0761	DBF	92	22"	10-3/8"	1-5/8"	7.875-3.125..	3	1"X3"
1U0762	DBF	304	55-1/4"	16"	1-3/8"	9.125-18.5..	3	1"X3"
1U1464	DBF	88	32-1/4"	11"	1"	5.5-10.625..	3	1"X3"
1U1465	DBF	82	31"	11"	1"	4.875-10.625..	3	1"X3"
1U1467	DBF	107	40-3/4"	11"	1"	4.875-10..	4	1"X3"
1U1469	DBF	136	33-1/4"	14-1/4"	1-1/8"	6.25-10.375..	3	1"X3"
1U1470	DBF	155	39"	14-1/4"	1-1/8"	3.9375-10.375..	4	1"X3"
1U1471	DBF	175	44-1/8"	14-1/4"	1-1/8"	7.125-10.625..	4	1"X3"
1U1475	DBF	124	29-1/2"	14-1/4"	1-1/8"	6-3.25-11..	4	1"X3"
1U1476	DBF	226	55"	14-1/4"	1-1/8"	4.5-3.25-11..	8	1"X3"
1U1478	DBF	240	55-7/8"	14-1/4"	1-1/8"	6.25-3.25-10.5..	8	1"X3"
1U1479	DBF	192	42"	14-1/4"	1-1/8"	6.125-3.25-10.5..	6	1"X3"
1U1909	DBF	223	49-3/4"	14-1/4"	1-1/8"	9.25-16.25..	3	1-1/4"X4"
1U2406	DBF	199	48-3/8"	14-1/4"	1-1/8"	8.875-15.875..	3	1-1/4"X4"
1U2407	DBF						3	1-1/4"X4"
1U2408	DBF	203	40-1/2"	14-1/4"	1-1/8"	6.25-13.563..	3	1-1/4"X4"
1U2409	DBF	214	47-1/2"	14-1/4"	1-1/8"	8.25-15.75..	3	1-1/4"X4"
1U2410	DBF	188	37-3/4"	14-1/4"	1-1/8"	6.25-12.625..	3	1"X3"
1U2411	DBF	208	41-5/8"	14-1/4"	1-1/8"	6.875-13.9375..	3	1"X3"
1U2412	DBF	211	45-1/4"	14-1/4"	1-1/8"	7.1875-14.563..	3	1"X3"
1U2413	DBF	212	45-3/4"	14-1/4"	1-1/8"	7.25-14.75..	3	1"X3"
1U2414	DBF	207	41-1/8"	14-1/4"	1-1/8"	6.8125-13.75..	3	1"X3"
1U4457	DBF	184	30-7/8"	16"	1-3/8"	3.25-3-3-6..	7	1-1/4"X4"
1U4458	DBF	254	41-7/8"	16"	1-3/8"	2.9375-3-3-6..	9	1-1/4"X4"
3G4282	DBF	78	45-3/8"	8"	3/4"	4.6875-6-6..	7	3/4"X2-1/2"
3G4285	DBF	28	16-3/4"	8"	3/4"	3.875-3..	4	3/4"X2-1/2"
3G6062	DBF	69	41-1/16"	8"	3/4"	2.563-6-6..	7	3/4"X2-1/2"
3G6395	DBF	62	20-1/4"	8"	1-3/8"	7.125-3..	3	1-1/4"X4"
3G9306	DBF	49	34-3/4"	8"	5/8"	2.375-6-6..	6	3/4"X2-1/2"
3V0187	SBF	854	143-1/2"	12"	1-3/4"		18	1"X3-1/2"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
4E6085	SBF	850	143-1/2"	12"	1-3/4"		18	1-1/4"X4"
4E7616	SBF		148-1/2"	25-3/4"	2"		21	1-1/4"X4"
4E9915	DBF		175-1/4"	31-1/2"	2-1/2"		28	1-1/4"X4"
4T2233	DBC	175	84"	8"	1"	3-3-6-6..	15	3/4"X2-3/4"
4T2233S	DBCS	141	84"	8"	1"	3-3-6-6..	15	3/4"X2-3/4"
4T2236	DBC	200	96"	8"	1"	3-3-6-6..	17	3/4"X2-3/4"
4T2236S	DBCS	162	96"	8"	1"	3-3-6-6..	17	3/4"X2-3/4"
4T2237	DBC	200	96"	8"	1"	3-3-6-6..	17	5/8"X2-3/4"
4T2237S	DBCS	162	96"	8"	1"	3-3-6-6..	17	5/8"X2-3/4"
4T2242	DBC	175	84"	8"	1"	3-3-6-6..	15	5/8"X2-3/4"
4T2242S	DBCS	141	84"	8"	1"	3-3-6-6..	15	5/8"X2-3/4"
4T2244	DBC	150	72"	8"	1"	3-3-6-6..	13	5/8"X2-3/4"
4T2244S	DBCS	120	72"	8"	1"	3-3-6-6..	13	5/8"X2-3/4"
4T2315	DBF	105	61-1/4"	8"	3/4"	3.625-6-6..	10	3/4"X2-1/2"
4T2888	DBF	170	63-7/8"	10"	1"	1.9375-4-4..	16	3/4"X3-1/4"
4T2910	DBF	29	14"	10"	3/4"	3-8-3	2	3/4"X2-1/2"
4T2911	DBF	96	45"	10"	3/4"	7.09-10.281..	4	3/4"X2-1/2"
4T2913	DBF	110	51-1/2"	10"	3/4"	11.9375-14.437..	3	3/4"X2-1/2"
4T2914	DBF	37	17"	10"	3/4"	2.9375-11.125..	2	3/4"X2-1/2"
4T2915	DBF	121	58-1/2"	10"	3/4"	13-16.25..	3	3/4"X2-1/2"
4T2918	DBF	48	23-1/4"	10"	3/4"	5.5-12.25..	2	3/4"X2-1/2"
4T2919	DBF	84	37-5/8"	10"	3/4"	5.25-12.8125-6.375..	3	3/4"X2-1/2"
4T2920	DBF	85	38"	10"	3/4"	6.75-12.25..	3	3/4"X2-1/2"
4T2944	DBF	111	51-7/8"	10"	3/4"	1.9375-4-4..	13	3/4"X3-1/2"
4T2949	DBF	120	59-7/8"	10"	3/4"	1.9375-4-4..	15	3/4"X3"
4T2967	DBF	77	60"	8"	5/8"	3-3-6-6..	11	5/8"X2-1/4"
4T2968	DBF	92	72"	8"	5/8"	3-3-6-6..	13	5/8"X2-1/4"
4T2969	DBF	108	84"	8"	5/8"	3-3-6-6..	15	5/8"X2-1/4"
4T2977	DBF	93	71-7/8"	8"	5/8"	1.9375-4-4..	18	5/8"X2-1/4"
4T2978	DBF	125	95-7/8"	8"	5/8"	1.9375-4-4..	24	5/8"X2-1/4"
4T2979	DBF	103	79-7/8"	8"	5/8"	3.9375-6-6..	13	5/8"X2-1/4"
4T2980	DBF	85	59-7/8"	8"	5/8"	1.9375-4-4..	15	5/8"X2-1/4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
4T2981	DBF	122	91-7/8"	8"	5/8"	1.9375-4-4..	23	5/8"X2-1/4"
4T2982	DBF	52	39"	8"	5/8"	1.5-6-6..	7	5/8"X2-1/4"
4T2986	DBF	79	30-5/8"	10"	1"	2.875-6-6..	5	1"X3-1/4"
4T2987	DBF	97	36-3/8"	10"	1"	3.1875-6-6..	6	1"X3-1/2"
4T2988	DBF	106	40-3/4"	10"	1"	2.375-6-6..	7	1"X3-1/2"
4T2989	DBF	109	41-7/8"	10"	1"	2.9375-6-6..	7	3/4"X2-3/4"
4T2992	DBF	81	29-7/8"	10"	1"	2.9375-6-6..	5	7/8"X2-3/4"
4T2993	DBF	109	41-7/8"	10"	1"	2.9375-6-6..	7	7/8"X2-3/4"
4T2994	DBF	125	47-3/4"	10"	1"	2.875-6-6..	8	1"X3-1/2"
4T2998	DBF							
4T3004	DBF	96	56-3/4"	8"	3/4"	4.375-6-6..	9	3/4"X2-1/2"
4T3007	DBF	115	72"	8"	3/4"	3-3-6-6..	13	5/8"X2-1/2"
4T3009	DBF	92	59-7/8"	8"	3/4"	2.9375-6-6..	10	3/4"X2-1/2"
4T3012	DBF	90	58-7/8"	8"	3/4"	2.437-6-6..	10	3/4"X2-1/2"
4T3015	DBF	53	10-1/8"	14-1/4"	1-1/8"	2.437-5.25-2.437	2	1-1/4"X4"
4T3032	DBF	134	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
4T3032S	DBFS	105	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
4T3033	DBF	115	72"	8"	3/4"	3-3-6-6..	13	3/4"X2-1/2"
4T3033S	DBFS	82	72"	8"	3/4"	3-3-6-6..	13	3/4"X2-1/2"
4T3034	DBF	96	60"	8"	3/4"	3-3-6-6..	11	5/8"X2-1/2"
4T3034S	DBFS	68	60"	8"	3/4"	3-3-6-6..	11	5/8"X2-1/2"
4T3036	DBF	134	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
4T3036S	DBFS	105	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
4T3037	DBF	152	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
4T3037S	DBFS	118	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
4T3420	DBF	82	52-1/8"	10"	1"	4.06-6-6..	9	7/8"X2-1/2"
4T3421	DBF	131	53-3/8"	10"	1"	2.6875-6-6..	5	7/8"X2-1/2"
4T3511	DBC	122	60"	8"	1"	3-3-6-6..	11	3/4"X2-1/2"
4T3511S	DBCS	101	60"	8"	1"	3-3-6-6..	11	3/4"X2-1/2"
4T5273	DBF	330	52-5/8"	16"	1-3/8"	8.6875-17.625..	3	1-1/4"X4"
4T6229	DBF	13	13"	6-1/2"	5/8"	4-2.5..	3	5/8"X2-1/4"
4T6230	DBF	35	34-1/4"	6-1/2"	5/8"	2.125-6-6..	6	5/8"X2-1/4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
4T6231	DBF	44	41-7/8"	6-1/2"	5/8"	2.9375-6-6..	7	5/8"X2-1/4"
4T6232	DBF	49	47-3/4"	6-1/2"	5/8"	2.875-6-6..	8	5/8"X2-1/4"
4T6238	DBF	123	47-1/4"	10"	1"	2.625-6-6..	8	1"X3-1/4"
4T6297	DBF	150	36-3/8"	10"	1-5/8"	3.125-6-6..	10	7/8"X3"
4T6300	DBF	174	59-7/8"	10"	1-5/8"	2.9375-6-6..	6	7/8"X3"
4T6378	DBF	139	35-1/2"	13"	1-1/8"	2.75-6-6..	6	1"X3-1/2"
4T6379	DBF	90	23-1/4"	13"	1-1/8"	2.625-6-6..	4	1"X3-1/4"
4T6381	DBF	158	41"	13"	1-1/8"	2.5-6-6..	7	1"X3-1/4"
4T6386	DBF	125	47-3/4"	10"	1"	2.875-6-6..	8	1"X3-1/2"
4T6387	DBF	195	53-3/4"	13"	1-1/8"	2.875-6-6..	9	1"X3-3/4"
4T6388	DBF	146	41-7/8"	13"	1-1/8"	2.9375-6-6..	7	1"X3-3/4"
4T6448	DBF	212	59-3/4"	12"	1-1/8"	2.875-6-6..	10	1"X3-1/2"
4T6450	DBF	306	86-7/8"	13"	1-1/8"	1.437-6-6..	15	1"X3-3/4"
4T6453	DBF	266	77-3/4"	13"	1-1/8"	2.875-6-6..	13	1"X3-1/4"
4T6457	DBF	122	35-3/4"	13"	1-1/8"	2.875-6-6..	6	1"X3-1/4"
4T6502	DBF	186	72"	10"	1"	3-3-6-6..	13	3/4"X2-3/4"
4T6508	DBF	218	84"	10"	1"	3-3-6-6..	15	3/4"X2-3/4"
4T6508S	DBFS	175	84"	10"	1"	3-3-6-6..	15	3/4"X2-3/4"
4T6511	DBF	248	96"	10"	1"	3-3-6-6..	17	3/4"X2-3/4"
4T6511S	DBFS	209	96"	10"	1"	3-3-6-6..	17	3/4"X2-3/4"
4T6515	DBF	176	69-7/8"	10"	1"	1.9375-6-6..	12	7/8"X3"
4T6531	DBF	154	59-7/8"	10"	1"	2.9375-6-6..	10	7/8"X2-3/4"
4T6532	DBF	95	35-7/8"	10"	1"	2.9375-6-6..	6	7/8"X2-3/4"
4T6588	DBF	297	47-5/8"	16"	1-3/8"	6-7.125..	6	1"X3-1/4"
4T6592	DBF	184	33-1/2"	16"	1-3/8"	7.1875-3.25-12.625..	4	1"X3-1/2"
4T6594	DBF	360	60-1/2"	16"	1-3/8"	4.8125-3.25-12.625..	8	1"X3-1/2"
4T6691	DBF	19	6-7/8"	11"	1"		2	1"X3"
4T6692	DBF	25	7-11/16"	11-1/8"	1"	1.375-4.9375-1.375	2	1"X3"
4T6694	DBF	23	8-7/8"	11"	1"	1.375-6.125-1.375	2	1"X3"
4T6695	DBF	33	10-7/16"	11"	1"	1.375-7.6875-1.375	2	1"X3"
4T6696	DBF	30	7-1/2"	14-1/4"	1-1/8"	2-3.5-2	2	1-1/4"X4"
4T6697	DBF	38	8-1/4"	14-1/4"	1-1/8"	1.75-4.75-1.75	2	1-1/4"X4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICK NES	HOLE SPACING	# OF HOLES	BOLT SIZE
4T7139	DBF	76	15-1/2"	14-1/4"	1-1/8"	5.125-5.25-5.125	2	1-1/4"X4"
4T7140	DBF	76	15-1/2"	14-1/4"	1-1/8"	5.125-5.25-5.125	2	1-1/4"X4"
4T7141	DBF	106	24-1/2"	16"	1-3/8"	3.875-5.6875-5.312..	4	1-1/4"X4"
4T7142	DBF	145	30-7/8"	16"	1-3/8"	6.0675-6.75-5.25..	4	1-1/4"X4"
4T7143	DBF	145	30-7/8"	16"	1-3/8"	6.0675-6.75-5.25..	4	1-1/4"X4"
4T7144	DBF	154	32-7/8"	16"	1-3/8"	4.437-5.25-13.5..	4	1-1/4"X4"
4T7145	DBF	154	32-7/8"	16"	1-3/8"	4.437-5.25-13.5..	4	1-1/4"X4"
4T8055	DB					3-3-6-6..		
4T8077	DBF	133	93-3/4"	8"	5/8"	4.875-6-6..	15	5/8"X2"
4T8091	DBF	20	13-9/16"	6-1/4"	1"	5.875-2.437-5.875	2	1"X3"
4T8101	DBF	55	19-5/8"	7"	1-3/8"	7.125-2.6875..	3	1"X3"
4T8796	DBF	97	48-7/8"	10"	3/4"	10.6875-13.75..	3	3/4"X2-1/2"
4T8797	DBF	95	38-7/8"	10"	1"	5.5-6-6..	6	7/8"X3"
4T8798	DBF	108	42-3/8"	10"	1"	3.1875-6-6..	7	7/8"X3"
4T8940	DBF	67	47"	8"	5/8"	2.5-6-6..	8	3/4"X2-1/2"
4T9123	DBF	61	14"	14-1/4"	1-1/8"	4.125-5.75-4.125	2	1-1/4"X4"
4T9124	DBF	61	14"	14-1/4"	1-1/8"	4.125-5.75-4.125	2	1-1/4"X4"
4T9125	DBF	106	25-3/4"	14-1/4"	1-1/8"	8.875-5.75..	3	1-1/4"X4"
4T9126	DBF	106	25-3/4"	14-1/4"	1-1/8"	8.875-5.75..	3	1-1/4"X4"
4T9127	DBF	104	25-1/4"	14-1/4"	1-1/8"	5.75-5.75..	4	1-1/4"X4"
4T9128	DBF	104	25-1/4"	14-1/4"	1-1/8"	5.75-5.75..	4	1-1/4"X4"
4T9185	DBF	93	22-1/2"	14-1/4"	1-1/8"	3.875-5-4.75..	4	1-1/4"X4"
4T9586	DBF	277	66-5/8"	13"	1-1/8"	3.312-6-6..	11	1"X3-1/4"
4V3174	SBF		97-3/8"	11-1/8"	1-1/4"		18	1"X3"
4V4958	SBF		89-3/8"	11-1/8"	1-1/4"		18	1"X3"
4V8335	SBF	231	81-3/4"	9-5/8"	1"		16	1"X3"
4V8850	SBF	255	86-3/4"	9-5/8"	1"		16	1"X3"
4Z8183								
5D9558	DBC	111	72"	8"	3/4"	3-3-6-6..	13	5/8"X2-1/2"
5D9558S	DBCS	91	72"	8"	3/4"	3-3-6-6..	13	5/8"X2-1/2"
5D9559	DBC	129	84"	8"	3/4"	3-3-6-6..	15	5/8"X2-1/2"
5D9559S	DBCS	107	84"	8"	3/4"	3-3-6-6..	15	5/8"X2-1/2"

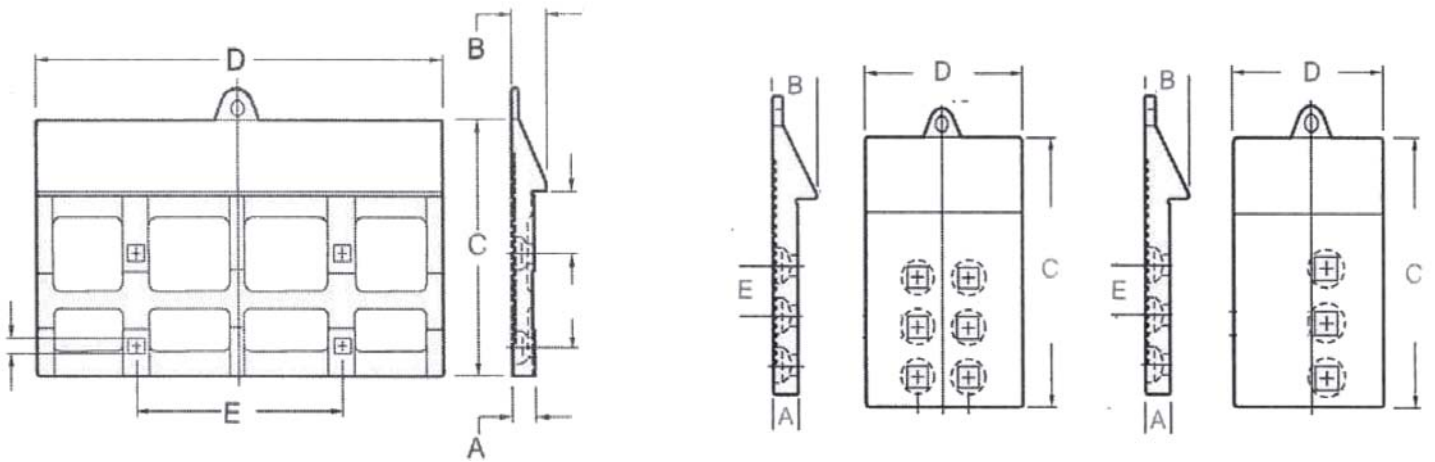
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
5D9561	DBC	107	84"	8"	5/8"	3-3-6-6..	15	5/8"X2-1/4"
5D9562	DBC	92	72"	8"	5/8"	3-3-6-6..	13	5/8"X2-1/4"
5D9732	DBC	122	96"	8"	5/8"	3-3-6-6..	17	5/8"X2-1/4"
5G3085	SBF	136	84-3/4"	7-1/2"	3/4"		14	3/4"X2-1/2"
5G3477	SBF	159	91-3/4"	7-1/2"	3/4"		14	3/4"X2-1/2"
5G7303	SBF		106-3/8"	11-3/4"	1-5/8"		18	1-1/4"X4"
5G8467	SBF		76-3/4"	7-1/2"	3/4"		14	3/4"X2-1/2"
5J6891	DBF	131	62-1/2"	10"	3/4"	3.75-6-6..	10	7/8"X3"
5V0600	SBF		102-1/2"	11-3/4"	1-1/2"		18	1-1/4"X4-1/2"
5V4670	SBF	266	93-1/2"	9-5/8"	1"		16	1"X3"
5V4673	SBF	185	79-1/2"	9-5/8"	1"		14	1"X3"
5V4696	SBF	425	107-3/4"	11-1/8"	1-1/4"		28	1"X3"
5V7277	SBF	225	95"	9-5/8"	1"		12	1"X3"
5V7410	SBF	276	108-1/16"	9-5/8"	1"		12	1"X3"
5V7525	SBF							
6S6500	SBF		84-3/4"	7-1/2"	3/4"		7	3/4"X2-1/4"
6S6501	SBF		74-3/4"	7-1/2"	3/4"		6	3/4"X2-1/4"
6W2973	SBF		110-3/4"	19-3/8"	1-3/8"		20	1-1/4"X4"
6W2977	SBF	208	79-1/2"	9-5/8"	1"		28	1"X3"
6W2978	SBF	346	89"	11"	1-1/4"		30	1"X3"
6W2979	SBF	348	89-9/16"	11"	1-1/4"		30	1"X3"
6W2980	SBF	380	97-1/2"	11"	1-1/4"		30	1"X3"
6W2981	SBF	515	112-1/4"	11-3/4"	1-1/2"		30	1-1/4"X4"
6W2983	SBF	474	95-3/4"	11-3/4"	1-1/2"		30	1-1/4"X4"
6W2984	SBF	269	94-7/8"	9-3/4"	1"		28	1"X3"
6W2985	SBF	294	103-7/8"	9-3/4"	1"		28	1"X3"
6W2986	SBF	243	95"	9-3/4"	1"		30	1"X3"
6W2987	SBF	291	103-1/16"	9-5/8"	1"		30	1"X3"
6W2988	SBF		103-7/8"	9-5/8"	1"		30	1"X3"
6W2989	SBF	437	111-7/8"	11"	1-1/4"		30	1-1/4"X4"
6W2990	SBF	394	112-1/2"	11"	1-1/4"		30	1-1/4"X4"
6W2991	SBF		125-1/8"	12"	1-3/4"		30	1-1/4"X4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
6W2993	SBF		121-1/2"	22-7/8"	1-3/4"		20	1-1/4"X4"
6W2994	SBF		106-1/2"	18-1/2"	1-3/4"		12	1-1/4"X4"
6Y5538	DBF	360	89"	13"	1-1/8"	2.5-6-6..	15	1"X3-1/4"
6Y5539	DBF	284	70-3/8"	13"	1-1/8"	2.1875-6-6..	12	1"X3-1/4"
6Y5540	DBF	126	31-1/2"	13"	1-1/8"	2.875-6-6..	5	1"X3-1/4"
6Y5842	DBF	54	49-7/8"	6-1/2"	5/8"	3.9375-6-6..	8	5/8"X2-1/4"
7D1576	DBC	111	72"	8"	3/4"	3-3-6-6..	13	3/4"X2-1/2"
7D1576S	DBCS	89	72"	8"	3/4"	3-3-6-6..	13	3/4"X2-1/2"
7D1577	DBC	129	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
7D1577S	DBCS	101	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
7D1949	DBC	147	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
7D1949S	DBCS	118	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
7D4509	DBC	77	60"	8"	5/8"	3-3-6-6..	11	5/8"X2-1/4"
7I3015	SBF	613	125-3/4"	11-13/16"	1-1/2"		20	1-1/4"X4"
7T3493	DBF	153	72"	8"	3/4"	3-3-6-6..	13	3/4"X2-1/2"
7T3493S	DBFS	131	72"	8"	3/4"	3-3-6-6..	13	3/4"X2-1/2"
7T3494	DBF	178	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
7T3494S	DBFS	152	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
7T3495	DBF	204	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
7T3495S	DBFS	179	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
7T3496	DBF	204	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
7T3496S	DBFS	179	96"	8"	3/4"	3-3-6-6..	17	3/4"X2-1/2"
7T3498	DBF	178	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
7T3498S	DBFS	152	84"	8"	3/4"	3-3-6-6..	15	3/4"X2-1/2"
7T5960	DBF	95	24-5/8"	14-1/4"	1-1/8"	4.5-4.9375-5.75..	4	1-1/4"X4"
7T5961	DBF	113	28-7/16"	14-1/4"	1-1/8"	3.5325-5.75-9.8125..	4	1-1/4"X4"
7T5962	DBF	78	20-7/16"	14-1/4"	1-1/8"	2.875-4.9375-5.25..	4	1-1/4"X4"
7T5963	DBF	113	28-7/16"	14-1/4"	1-1/8"	3.5325-5.75-9.8125..	4	1-1/4"X4"
7T5964	DBF	95	24-5/8"	14-1/4"	1-1/8"	4.5-4.9375-5.75..	4	1-1/4"X4"
7T8935	DBF						2	3/4"X2-1/4"
7T9127	DBF	167	32-1/4"	13"	1-3/8"	3.6875-6-6..	11	1"X3-1/2"
7V0898	SBF	484	111"	11-3/4"	1-1/2"		18	1-1/4"X4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
7V0904	SBF	475	112-1/2"	11"	1-1/4"		12	1-1/4"X4"
7V0906	SBF		95-3/4"	11-3/4"	1-1/2"		12	1-1/4"X4"
7V1490	SBF	568	119-3/4"	12"	1-5/8"		18	1-1/4"X4"
7V4188	SBF	772	130-7/8"	12"	1-3/4"		18	1-1/4"X4"
7V6844	SBF	577	114-3/4"	12"	1-1/2"		18	1-1/4"X4"
8E3157	DBF	254	27-1/2"	17-1/2"	2"	2-3.375..	5	1-1/4"X4"
8E3158	DBF	363	28-1/2"	24-1/8"	2"	2-3.375..	5	1-1/4"X4"
8E3159	DBF	363	28-1/2"	24-1/8"	2"	2-3.375..	5	1-1/4"X4"
8J8256	DBCS	76	60"	8"	3/4"	3-3-6-6..	11	3/4"X2-1/2"
8K6452	SBF	180	80-1/4"	9"	1"		7	1"X3"
8K7524	SBF	201	88-1/2"	9"	1"		8	1"X3"
8K8161	SBF	232	96	9"	1"		18	1"X3"
8K8162	SBF	255	105-7/8"	9"	1"		20	1"X3"
8K9499	SBF	321	98"	10-1/2"	1-1/4"		21	1"X3-1/4"
8K9754	SBF	367	115"	10-1/2"	1-1/4"		24	3/4"X2-1/2"
8R4649	SBF	1666	143-1/2"	27-3/4"	2"		25	1-1/4"X4-1/2"
8V1825	DBF	295	104"	9-3/4"	1"		16	1"X3"
8V7214	SBF	238	94-5/8"	9-5/8"	1"		12	1"X3"
8V7619	SBF	297	104-7/8"	9-5/8"	1"		10	1"X3"
8X0809	SBF	2250	224-1/2"	36-7/8"	3"		40	1-1/4"X4-1/2"
9C2932	SBF	984	143-1/2"	13"	2"		21	1-1/4"X4"
9K1619	SBF	768	128-3/4"	12"	1-3/4"		24	1"X3-1/2"
9R4672	SBF	114	89-1/16"	6"	3/4"		16	5/8"X2-1/2"
9R5313	SBF	118	94-3/8"	5-7/8"	3/4"		16	5/8"X2-1/2"
9V3566	SBF		187"	33"	2-1/2"		28	1-1/4"X4-1/2"
9V3570	SBF		187"	36-3/8"	2-1/2"		28	1-1/4"X4-1/2"
9V6570	SBF	227	86-7/8"	9-5/8"	1"		28	1"X3"
9V6571	SBF	212	81-3/4"	9-5/8"	1"		28	1"X3"
9V6572	SBF	266	93-1/4"	9-5/8"	1"		28	1"X3"
9V6573	SBF	394	107-3/4"	11-1/8"	1-1/4"		30	1"X3-1/4"
9V6574	SBF	779	130-1/2"	12"	1-3/4"		30	1-1/4"X4"
9V6575	SBF	612	119-3/4"	12"	1-1/2"		30	1-1/4"X4"

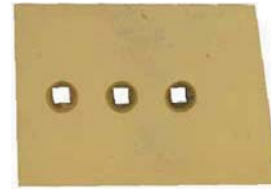
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
9W1315	DBF	374	60"	16"	1-3/8"	9.875-20.125..	3	1-1/4"X4"
9W2424	DBF	307	40-1/4"	16"	1-3/4"	2.1875-3-3-6..	9	1-1/4"X4"
9W2425	DBF	305	40-1/8"	16"	1-3/4"	2.25-3-3-6..	9	1-1/4"X4"
9W2426	DBF	328	43-1/4"	16"	1-3/4"	3.625-3-3-6..	9	1-1/4"X4"
9W3676	DBF	275	36-1/8"	16"	1-3/4"		3	1-1/4"X4"
9W3677	DBF	278	36-1/2"	16"	1-3/4"		3	1-1/4"X4"
9W3678	DBF	278	36-1/2"	16"	1-3/4"		3	1-1/4"X4"
9W5730	DBF	94	12-3/4"	19"	1-3/8"	5.5625-3.312..	3	1-1/4"X4"
9W5731	DBF	224	33-3/16"	19"	1-3/8"	4.625-3.375-3.375..	6	1-1/4"X4"
9W5732	DBF	265	33-7/8"	19"	1-3/8"	6.8125-6.75-3.375..	5	1-1/4"X4"
9W5733	DBF	211	26-1/4"	19"	1-3/8"	3.437-6.375-3.12..	5	1-1/4"X4"
9W5734	DBF	89	12-3/4"	19"	1-3/8"	2.8125-3.312..	3	1-1/4"X4"
9W5735	DBF	265	33-7/8"	19"	1-3/8"	6.8125-6.75-3.375..	5	1-1/4"X4"
9W5736	DBF	224	36-1/8"	19"	1-3/8"	4.625-3.375-3.375..	5	1-1/4"X4"
9W5737	DBF	94	12-3/4"	19"	1-3/8"	5.5625-3.312..	3	1-1/4"X4"
9W6092	DBF	183	35-1/2"	13"	1-3/8"	2.75-6-6..	6	1-1/4"X4"
9W6252	DBC	76	60"	8"	3/4"	3-3-6-6..	11	5/8"X2-1/2"
9W6608	DBF	212	33-13/16"	16"	1-3/8"	4.375-6-6..	5	1-1/4"X4"
9W6609	DBF	249	39-1/8"	16"	1-3/8"	4.5625-6-6..	6	1-1/4"X4"
9W6615	DBF	208	33-3/8"	16"	1-3/8"	4.6875-6-6..	5	1-1/4"X4"
9W8215	DBF	76	44-1/2"	8"	3/4"	5.75-11.8125..	4	5/8"X2-1/4"
9W8249	DBF	322	43-1/2"	19"	1-3/8"	10.25-3.312.16.312..	4	1-1/4"X4"
9W8250	DBF	426	57-5/8"	19"	1-3/8"	5.8125-23..	3	1-1/4"X4"
9W8334	DBF		45-3/8"	14-3/16"	1-1/4"		3	1-1/4"X4-1/2"
9W9943	DBF		48-1/2"	16-3/4"	3/4"		4	3/4"X2-1/2"
9W9944	DBF		14-5/8"	10"	3/4"		2	3/4"X2-1/2"





PRO-TUFF Caterpillar Bolt-on Half Arrow Specs.

PART #	TYPE	WGHT (LBS)	A	B	C	D	E	GRADE 8 PLOW BOLT	GRADE 8 NUT
1U0593NR	CENTER	180	1-5/8"	2-3/4"	15-5/8"	33-1/3"	17-13/16"	1-1/4" X 4" (X4)	1-1/4"
3G6395LNR	LEFT HAND	65	1-5/8"	2-3/4"	15-5/8"	9-1/2"	3"	1-1/4" X 4" (X3)	1-1/4"
3G6395RNR	RIGHT HAND	65	1-5/8"	2-3/4"	15-5/8"	9-1/2"	3"	1-1/4" X 4" (X3)	1-1/4"
1U0762NR	CENTER	256	1-3/4"	3"	16-3/4"	36-3/4"	18-1/2"	1-1/4" X 4" (X3)	1-1/4"
1U0761NR	LEFT HAND	98	1-3/4"	3"	16-3/4"	10-1/2"	3-1/16"	1-1/4" X 4" (X3)	1-1/4"
113-3140C	CENTER	75	1-5/8"	2-3/4"	15-3/4"	11-3/8"	5-5/16"	1-1/4" X 4" (X2)	1-1/4"
113-3141R	RIGHT HAND	89	1-5/8"	2-3/4"	16-3/8"	12-15/16"	5-5/16"	1-1/4" X 4" (X2)	1-1/4"
113-3142L	LEFT HAND	89	1-5/8"	2-3/4"	16-3/8"	12-15/16"	5-5/16"	1-1/4" X 4" (X2)	1-1/4"
109-9212NR	CENTER	265	1-3/4"	3"	16-3/4"	37-15/16"	19-1/8"	1-1/4" X 4" (X3)	1-1/4"
9W5734NRC	CENTER	82	1-3/4"	2-3/4"	15-5/8"	12-1/4"	3-3/8"	1-1/4" X 4" (X3)	1-1/4"
9W5730NRL	LEFT HAND	87	1-3/4"	2-3/4"	15-5/8"	12-1/4"	3-3/8"	1-1/4" X 4" (X3)	1-1/4"
9W5737NRR	RIGHT HAND	87	1-3/4"	2-3/4"	15-5/8"	12-1/4"	3-3/8"	1-1/4" X 4" (X3)	1-1/4"
101-9435C	CENTER	89	1-3/4"	2-3/4"	15-5/8"	13-1/2"	3-3/8"	1-1/4" X 4" (X3)	1-1/4"
101-9436R	RIGHT HAND	94	1-3/4"	2-3/4"	15-5/8"	13-1/2"	3-3/8"	1-1/4" X 4" (X3)	1-1/4"
101-9437L	LEFT HAND	94	1-3/4"	2-3/4"	15-5/8"	13-1/2"	3-3/8"	1-1/4" X 4" (X3)	1-1/4"
109-2675C	CENTER	257	3"	4-1/2"	21-1/8"	16-1/8"	3-1/2"	1-1/4" X 4" (X4)	1-1/4"
109-2676R	RIGHT HAND	292	3"	4-1/2"	21-1/8"	16-1/8"	3-15/16"	1-1/4" X 4" (X4)	1-1/4"
109-2677L	LEFT HAND	292	3"	4-1/2"	21-1/8"	16-1/8"	3-15/16"	1-1/4" X 4" (X4)	1-1/4"



Caterpillar Style Bulldozer End Bit Specs.

PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
1003131	LC-L	137	1-3/4"	2-3-7-3..	3.125-7-3..	7	1-1/4"X4"
1003132	LC-R	137	1-3/4"	2-3-7-3..	3.125-7-3..	7	1-1/4"X4"
1003135	LC-R	121	1-3/4"	2.5-3.25..	3.75-4..	7	1"X3-1/2"
1003136	LC-L	121	1-3/4"	2.5-3.25..	3.75-4..	7	1"X3-1/2"
3G8279	HC-R	98	1-5/8"	2.5-3..	2.5-4..	7	1"X3-1/2"
3G8280	HC-L	98	1-5/8"	2.5-3..	2.5-4..	7	1"X3-1/2"
3G8281	HC-R	152	1-5/8"	2.375-3.25-6.5-3.25..	6.875-4..	7	1"X3-3/4"
3G8282	HC-L	152	1-5/8"	2.375-3.25-6.5-3.25..	6.875-4..	7	1"X3-3/4"
3G8283	HC-R	132	1-5/8"	2.5-3.25..	3.75-4-4..	7	1"X3-1/2"
3G8284	HC-L	132	1-5/8"	2.5-3.25..	3.75-4-4..	7	1"X3-1/2"
3G8285	HC-R	102	1-5/8"	2.875-3..	2.875-4..	7	1"X3-1/2"
3G8286	HC-L	102	1-5/8"	2.875-3..	2.875-4..	7	1"X3-1/2"
3G8287	HC-R	105	1-5/8"	2.875-3..	2.875-4..	7	1"X3-1/2"
3G8288	HC-L	105	1-5/8"	2.875-3..	2.875-4..	7	1"X3-1/2"
3G8289	HC-R	128	1-3/8"	2.375-3.25-6.5-3.25..	6.875-4..	7	1"X3-3/4"
3G8290	HC-L	128	1-3/8"	2.375-3.25-6.5-3.25..	6.875-4..	7	1"X3-3/4"
3G8291	HC-R	104	1-3/8"	2.5-3.75..	3.75-4...	7	1"X3-3/4"
3G8292	HC-L	104	1-3/8"	2.5-3.75..	3.75-4..	7	1"X3-3/4"
3G8293	HC-R	53	7/8"	2.875-3..	2.875-4..	7	7/8"X3"
3G8294	HC-L	53	7/8"	2.875-3..	2.875-4..	7	7/8"X3"
3G8295	HC-R	36	1"	2-4..	2-3.5..	6	5/8"X2-1/4"
3G8296	HC-L	36	1"	2-4..	2-3.5..	6	5/8"X2-1/4"
3G8297	HC-R	36	1"	2-4..	2-3.5..	6	3/4"X2-1/4"
3G8298	HC-L	36	1"	2-4..	2-3.5..	6	3/4"X2-1/4"
3G8301	HC-R	73	1-1/4"	2.5-3..	2.5-4..	7	1"X3-1/4"
3G8302	HC-L	73	1-1/4"	2.5-3..	2.5-4..	7	1"X3-1/4"

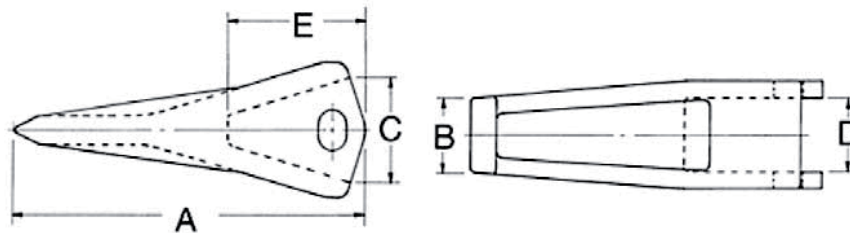
PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
3G8311	HC-R	55	1-1/8"	2-4-4-2..	2-4-..	7	3/4"X4-1/2"
3G8312	HC-L	55	1-1/8"	2-4-4-2..	2-4-..	7	3/4"X4-1/2"
3G8313	HC-R	55	1-1/8"	2-3-3-3..	2-4-..	7	3/4"X4-1/2"
3G8314	HC-L	55	1-1/8"	2-3-3-3..	2-4-..	7	3/4"X4-1/2"
3G8315	HC-R	77	1-1/4"	2.875-3..	2.875-4..	7	7/8"X3"
3G8316	HC-L	77	1-1/4"	2.875-3..	2.875-4..	7	7/8"X3"
3G8317	HC-R	76	1-1/4"	2.875-3..	2.875-4..	7	1"X3-1/4"
3G8318	HC-L	76	1-1/4"	2.875-3..	2.875-4..	7	1"X3-1/4"
3G8319	HC-R	33	1"	2.25-4..	2.25-4..	6	3/4"X2-1/2"
3G8320	HC-L	33	1"	2.25-4..	2.25-4..	6	3/4"X2-1/2"
3G8321	HC-R	32	1"	1.875-4..	1.875-4..	6	5/8"X2-1/4"
3G8322	HC-L	32	1"	1.875-4..	1.875-4..	6	5/8"X2-1/4"
4T3041	LC-R	29	1"	2-4-..	2-3.5..	6	3/4"X2-1/2"
4T3042	LC-L	29	1"	2-4-..	2-3.5..	6	3/4"X2-1/2"
4T3043	LC-R	17	3/4"	2-2.5..		3	5/8"X2-1/4"
4T3044	LC-L	17	3/4"	2-2.5..		3	5/8"X2-1/4"
4T3045	LC-R	40	1"	2.25-4..	2.25-4..	6	3/4"X2-1/2"
4T3046	LC-L	40	1"	2.25-4..	2.25-4..	6	3/4"X2-1/2"
4T3049	LC-R	22	3/4"	2-4-..	2-3.5..	6	5/8"X2-1/4"
4T3050	LC-L	22	3/4"	2-4-..	2-3.5..	6	5/8"X2-1/4"
4T3051	LC-R	20	3/4"	1.875-4..	1.875-4..	6	5/8"X2-1/4"
4T3052	LC-L	20	3/4"	1.875-4..	1.875-4..	6	5/8"X2-1/4"
4T4435	LC-R	37	1"	2.25-3.875-3.625..	2.25-3.1875..	6	3/4"X2-1/2"
4T4436	LC-L	37	1"	2.25-3.875-3.625..	2.25-3.1875..	6	3/4"X2-1/2"
4T4454	HC-L	54	1-1/8"	2.25-3.875-3.625..	2.25-3.1875..	6	3/4"X2-1/2"
4T4455	HC-R	54	1-1/8"	2.25-3.875-3.625..	2.25-3.1875..	6	3/4"X2-1/2"
4T5407	HC-R	58	1"	3.875-3..		4	3/4"X2-1/2"
4T5408	HC-L	58	1"	3.875-3..		4	3/4"X2-1/2"
4T6239	LC-R	41	1"	2.875-3..	2.875-4..	7	1"X3-1/4"
4T6240	LC-L	41	1"	2.875-3..	2.875-4..	7	1"X3-1/4"
4T6505	LC-R	41	1"	2.875-3..	2.875-4..	7	7/8"X3"
4T6506	LC-L	41	1"	2.875-3..	2.875-4..	7	7/8"X3"

PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
4T6667	LC-R	45	1"	2-3..	2-4-..	7	3/4"X4-1/2"
4T6668	LC-L	45	1"	2-3..	2-4..	7	3/4"X4-1/2"
4T6671	LC-R	44	1"	1.875-4-4-2..	1.875-4-4..	7	3/4"X4-1/2"
4T6672	LC-L	44	1"	1.875-4-4-2..	1.875-4-4..	7	3/4"X4-1/2"
4T8089	LC-R	64	1-1/8"	2.875-3..	2.875-4..	7	1"X3"
4T8090	LC-L	64	1-1/8"	2.875-3..	2.875-4..	7	1"X3"
5A4565	HC-R	21	1"	2-2.5..		3	5/8"X2-1/4"
5A4566	HC-L	21	1"	2-2.5..		3	5/8"X2-1/4"
8E4193	HC-R	123	1-5/8"	2.625-3.25..	3.75-4..	7	1"X3-1/2"
8E4194	HC-L	123	1-5/8"	2.625-3.25..	3.75-4..	7	1"X3-1/2"
8E4196	HC-L	182	2"	2.5-3.25..	3.75-4..	7	1"X3-1/2"
8E4197	HC-R	182	2"	2.5-3.25..	3.75-4..	7	1"X3-1/2"
8E4198	HC-L	263	2"	2-3-7-3..	3.125-7-3..	7	1-1/4"X4"
8E4199	HC-R	263	2"	2-3-7-3..	3.125-7-3..	7	1-1/4"X4"
8E4537	HC-R	128	1-5/8"	2.625-3.25..	3.75-4..	7	1"X3-1/4"
8E4538	HC-L	128	1-5/8"	2.625-3.25..	3.75-4..	7	1"X3-1/4"
8E4539	HC-R	267	2-1/4"	2.50-3.25..	3.75-4..	7	1"X3-1/2"
8E4540	HC-L	267	2-1/4"	2.50-3.25..	3.75-4..	7	1"X3-1/2"
8E4541	HC-R	315	2-1/4"	2-3-7-3..	3.75-4..	7	1-1/4"X4"
8E4542	HC-L	315	2-1/4"	2-3-7-3..	3.75-4..	7	1-1/4"X4"
8E4543	HC-R	382	2-1/2"	3-3-7.625-3..	2-3-9.25-3..	7	1-1/4"X4-1/2"
8E4544	HC-L	382	2-1/2"	3-3-7.625-3..	2-3-9.25-3..	7	1-1/4"X4-1/2"
8E4545	HC-R	499	3"	3-3-7.625-3..	2-3-9.25-3..	7	1-1/4"X4-1/2"
8E4546	HC-L	499	3"	3-3-7.625-3..	2-3-9.25-3..	7	1-1/4"X4-1/2"
8E7078	LC-R	31	3/4"	3.9375-3..		4	3/4"X2-3/4"
8E7079	LC-L	31	3/4"	3.9375-3..		4	3/4"X2-3/4"
8E9785	LC-R	293	2-1/4"	3-3-7.625-3..	2-3-9.25-3..	9	1-1/4"X4-1/2"
8E9786	LC-L	293	2-1/4"	3-3-7.625-3..	2-3-9.25-3..	9	1-1/4"X4-1/2"
9W8651	LC-R	122	2"	2.5-3..	2.5-4..	7	1"X3-1/4"
9W8652	LC-L	122	2"	2.5-3..	2.5-4..	7	1"X3-1/4"
9W9010	HC-R	49	1-1/8"	2-4..	2-3.5.	7	5/8"X1/2"
9W9011	HC-L	49	1-1/8"	2-4..	2-3.5..	7	5/8"X2-1/2"



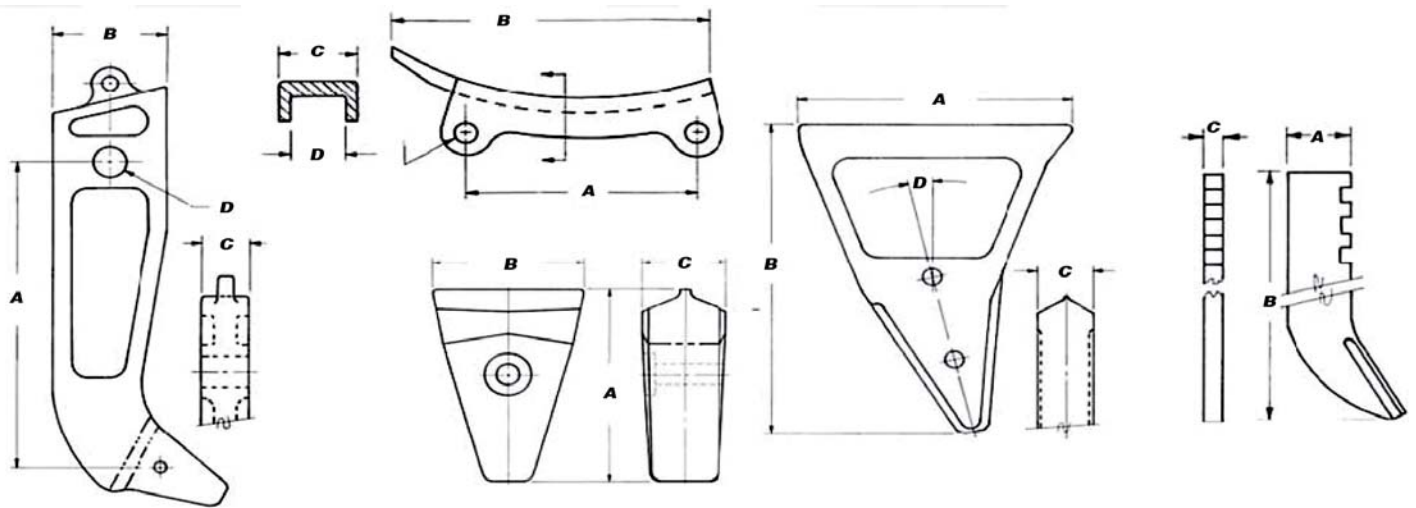
Caterpillar Style Grader Overlay & End Bit Specs.

PART #	STYLE	WGHT (LBS)	THICKNESS	DIMENSIONS	HOLE SPACING	# OF HOLES	BOLT SIZE
4D5757	OVERLAY-R	31	5/8"	9"X19-1/4"	6.375-3.125-3.8125-3.8125..	8	5/8"X3"
4D5758	OVERLAY-L	31	5/8"	9"X19-1/4"	6.375-3.125-3.8125-3.8125..	8	5/8"X3"
6D1904	OVERLAY-LR	30	5/8"	9-1/4"X18-1/4"	4.312-9.625.. 3.5-3.75-3.75-3.75..	8	5/8"X3"
6D1948	OVERLAY-LR	35	5/8"	9-1/4"X22-1/4"	6.312-9.625.. 5.5-3.75-6.312-9.625..	8	5/8"X3"
6Y2805	OVERLAY-LR	31	5/8"	9-1/4"X21-3/4"	5.9375-9.875.. 5.344-3.6875-5.9375-9.875..	8	3/4"X3-1/4"
7D2052	END BIT-LR	20	5/8"	6"X18-3/8"	1.9375-3.9375..	5	5/8"X2-1/2"
7D2083	END BIT-R	23	5/8"	6"X21-3/8"	1.375-3.781..	5	5/8"X2-1/2"
7D2084	END BIT-L	23	5/8"	6"X21-3/8"	1.375-3.9375-3.9375-5.312..	5	5/8"X2-1/2"
7D5193	OVERLAY-LR	37	5/8"	9-1/4"X23-7/16"		8	5/8"X3"
7D9999	OVERLAY-LR	38	5/8"	9-1/4"X23-7/16"	6.375-10.625.. 5.6875-4-4-4-5.6875-6.375..	8	3/4"X3-1/4"
8E5529	END BIT-LR	18	5/8"	6"X17-7/16"		5	3/4"X2-1/4"
8E5530	END BIT-LR	18	3/4"	6"X17-7/16"	1.1875-3.781..	5	3/4"X2-1/2"
8E5531	END BIT-R	19	5/8"	6"X17-5/8"		5	5/8"X2-1/4"
9D4880	END BIT-R	20	3/4"	6"X18-5/8"	1.375-4.312-4.312-4.312..	4	3/4"X2-1/4"
9D4881	END BIT-L	20	3/4"	6"X18-5/8"	1.375-4.312-4.312-4.312..	4	3/4"X2-1/4"
9J4405	END BIT-R	17	5/8"	6"X18-5/8"	1.375-4.156	4	3/4"X2-1/4"
9J4406	END BIT-L	17	5/8"	6"X18-5/8"	1.375-4.156	4	3/4"X2-1/4"
9J4407	END BIT-R	18	5/8"	6"X18-5/16"	1.375-4.156	4	5/8"X2-1/4"
9J4408	END BIT-L	18	5/8"	6"X18-5/16"	1.375-4.156	4	5/8"X2-1/4"
9J4411	END BIT-LR		1/2"	6"X14-5/8"		4	5/8"X2-1/4"
9W2945	END BIT-LR	20	5/8"	6"X18.5"		5	5/8"x2-1/4"



PRO-TUFF Caterpillar Style Ripper Teeth Specs.

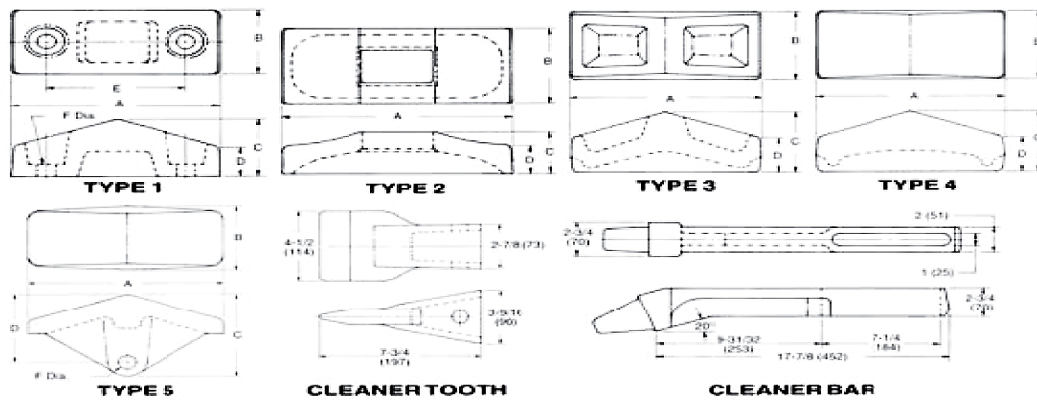
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	PIN	LOCK
2D5572	SCARIFIER TOOTH	3.00	7-1/8"	1-3/4"				N/A	N/A
1U3202	CENTERLINE	2.80	5-3/4"	2"	2-3/8"	2-1/4"		9W7116	8E6209
1U3252	CENTERLINE	6.40	7-1/2"	2-9/16"	3-1/4"	2-7/8"		9J2258	8E6259
1U3252T	TIGER NON-CENTERLINE	6.20	8"	1/4"	3-5/16"	2-7/8"		9J2258	8E6259
4T4453	CENTERLINE	44.70	16-5/8"	3-3/8"	4-7/8"	3-3/8"	6-1/2"	4T2479 6Y3394	N/A 8E5559
4T4503	CENTERLINE	68.00	19"	2-7/8"	6-1/2"	4-1/4"	7-1/2"	3G0500	N/A
4T5452	NON-CENTERLINE	40.00	15-5/8"	2"	5"	3-7/16"	6-3/4"	4T2479 6Y3394	N/A 8E5559
4T5502	NON-CENTERLINE	61.80	17-1/8"	2-3/4"	6-1/2"	4-1/4"	7-1/2"	3G0500	N/A
6Y0309	NON-CENTERLINE	11.50	11-1/2"	2"	3-1/8"	2-3/8"	4-3/8"	9J6583	1U2405
6Y0352	CENTERLINE	24.00	14"	1-7/8"	4-7/16"	3-3/32"	5-3/4"	9J2358	1U2405
6Y0359	NON-CENTERLINE	25.80	14-1/4"	2-1/16"	4-3/8"	3"	5-3/4"	9J2358	1U2405
6Y3552	NON-CENTERLINE	100.10	21-1/4"	3-1/8"	8-3/8"	4-9/16"	9-7/16"	6Y2443	N/A
7J3312	NON-CENTERLINE LIPPED	31.90	13-7/8"	3-5/16"	3-7/8"	3"	6-3/4"	4T2479	N/A
9W2451	CENTERLINE SHORT	32.20	13"	3-1/8"	4-7/8"	3-3/8"	6-5/8"	4T2479 6Y3394	N/A 8E5559
9W2452	CENTERLINE	35.60	14"	3-1/8"	4-7/8"	3-3/8"	6-5/8"	4T2479 6Y3394	N/A 8E5559
9W2452A	NON-CENTERLINE RIBBED	39.80	14-3/4"	3-9/16"	4-7/8"	3-3/8"	6-1/2"	4T2479 6Y3394	N/A 8E5559
9W4551	CENTERLINE SHORT	88.50	17-5/8"	3"	8-3/8"	4-9/16"	9-7/16"	6Y2443	N/A



PRO-TUFF Caterpillar Style Ripper Shanks etc. Specifications

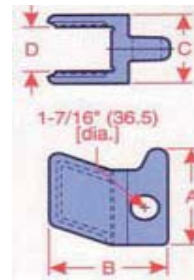
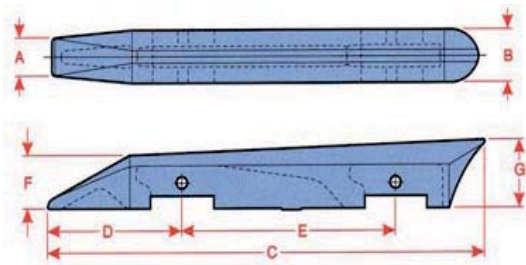
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	PIN	LOCK
9F5124	SCARIFIER SHANK	13.40	3"	17-1/4"	1"			N/A	N/A
1U3644	SHANK GUARD	91.00	29"	9"	5-1/4"	4-1/8"	1-7/8"	3G0500	N/A
6J8814	SHANK GUARD	24.50	12-1/4"	17"	4-1/4"	3-1/16"	1-3/8"	6J8811	N/A
6Y9704	SHANK GUARD	122.00	19-1/16"	25-1/2"	5-5/8"	4-1/8"	1-1/2"	3G0500	N/A
7J1791SG	SEGMENT	165.00	14-1/4"	23-3/8"	3"	38 DEG		N/A	N/A
1U3630SG	SEGMENT	224.00	18"	23-7/8"	3-7/8"	13 DEG		N/A	N/A
8E848418SG	SEGMENT	150.00	13-3/16"	23-1/16"	3"	37 DEG		N/A	N/A
4T9776WN	WELD-ON NOSE	36.80	7-17/32"	11"	3"			4T2979 6Y3394	N/A 8E5559
8J7525WN	WELD-ON NOSE	2.50	2-5/16"	3-19/32"	2-1/4"			9W7116	8E6209
9J4254WN	WELD-ON NOSE	5.10	3-1/4"	4-1/2"	2-3/4"			9J2258	8E6259
9W7488WN	WELD-ON NOSE	18.50	5-3/8"	7-21/32"	3"			9J2358	8E6359
9J3139	SHANK ASSEMBLY	116.00	20-5/8"	7"	2-15/16"	2-1/16"		N/A	N/A





PRO-TUFF Caterpillar Style Compactor Parts Specs

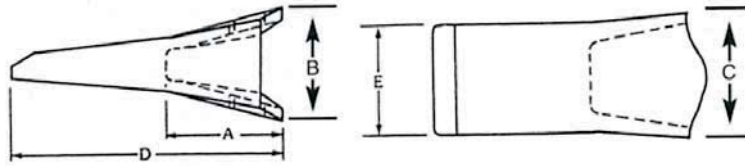
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	F	PIN
8K9189	BOLT-ON STD. FOOT	8.20	6-11/16"	2-3/4"	2-1/2"	1-9/32"	4-1/2"	21/32"	
2V7053	WELD-ON STD. FOOT	8.00	6-5/8"	3-3/16"	2-13/16"	1-5/8"			
8K9171	BOLT-ON STD. FOOT	13.60	9-1/16"	3-1/16"	3-3/16"	1-9/16"	5-3/4"	15/16"	
4V3851	WELD-ON ROCK FOOT	10.00	6-11/16"	3-3/16"	2-13/16"	1-5/8"			
7K2939	PIN-ON ROCK FOOT	13.80	8-7/8"	3-3/4"	4-7/8"	4-1/16"		3/4"	7K9535
4V0668	WELD-ON ROCK FOOT	16.20	8-7/16"	3-7/16"	3-1/2"	1-15/16"			
3G8250	CLEANER TOOTH	9.20	7-3/4"	4-1/2"	2-7/8"	3-9/16"			9J2258



WELDMENTS

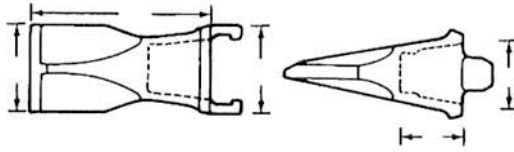
PRO-TUFF Vertical Wear Shrouds Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	F	G
VS410	SHROUD	29.0	1-5/8"	2-7/8"	27-1/4"	9"	N/A	2-1/2"	4-1/4"
VS410WNA	LOWER WELDMENT	3.0	3"	2-13/32"	N/A	N/A	N/A	N/A	N/A
VS410WNB	UPPER WELDMENT	2.9	5-5/16"	2-1/8"	N/A	N/A	N/A	N/A	N/A
VS450	SHROUD	42.5	1-11/16"	2-5/8"	10-1/8"	10-1/8"	13-1/2"	3-3/4"	4-5/8"
VSM100WN	LOW/UP WELDMENT	10.9	5-3/4"	6"	2-3/4"	1-1/16"	N/A"	N/A	N/A
VS500	SHROUD	66.0	2-1/2"	3-7/16"	32-7/8"	10-1/8"	16"	3-21/32"	4-5/8"
VSM150WN	LOW/UP WELDMENT	12.3	5-3/4"	6"	3-7/16"	2-9/16"	N/A	N/A	N/A



PRO-TUFF ESCO Conical Style Teeth Specs.

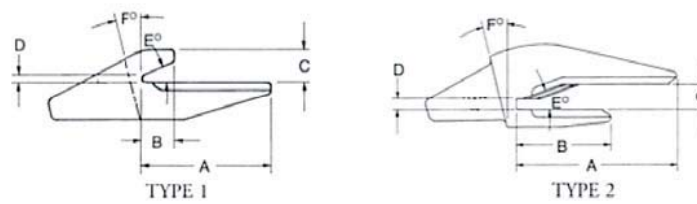
PART #	TYPE	WGHT (LBS)	A	B	C	D	E	PIN	LOCK
18TL	STANDARD	2.30	2-5/8"	2"	2-1/4"	5-3/4"	2-3/16"	18/20PN	18/20LK
18TVIP	TWIN TIGER	3.00	2-5/8"	2"	2-1/4"	6-7/8"	3"	18/20PN	18/20LK
22S	STANDARD	3.50	3-1/2"	2-1/2"	2-5/16"	6-1/2"	2-1/4"	22PN	22LK
25S	STANDARD	4.00	3-9/32"	2-7/8"	3-3/8"	7"	2-1/2"	25/30PN	25/30LK
25VIP	TIGER	5.30	3-1/4"	2-7/8"	3-3/8"	8-7/8"	1/4"	25/30PN	25/30LK
30S	STANDARD	5.90	3-3/16"	3-1/16"	3-1/2"	7-1/8"	3-3/8"	25/30PN	25/30LK
30RDX	ROCK CHISEL	7.10	3-3/16"	3-1/16"	3-1/2"	8-1/4"	2-1/8"	25/30PN	25/30LK
30VIP	TIGER	6.61	3-3/16"	3-1/16"	3-1/2"	8-3/4"	1/4"	25/30PN	25/30LK
35S	STANDARD	8.16	3-13/16"	3-1/2"	4-1/4"	8-3/8"	4-3/16"	35PN	35/40LK
35R	ROCK	8.14	3-13/16"	3-1/2"	4-1/4"	7-3/8"	2-1/2"	35PN	35/40LK
35VIP	TIGER	8.20	3-7/8"	3-1/2"	4-1/4"	10-9/16"	1/4"	35PN	35/40LK
40S	STANDARD	12.80	4-1/4"	4"	4-7/8"	9-3/8"	4-3/16"	40PN	35/40LK
40RDX	ROCK CHISEL	13.00	4-1/4"	4"	4-7/8"	10-1/4"	2-1/2"	40PN	35/40LK
40VIP	TIGER	16.80	4-1/4"	4"	4-7/8"	12-1/8"	1/4"	40PN	35/40LK
40TVIP	TWIN TIGER	16.90	4-1/4"	4"	4-7/8"	10"	5"	40PN	35/40LK
45S	STANDARD	20.90	4-3/4"	4-3/4"	5-3/4"	10-5/8"	4-3/4"	45PN	45LK
45RDX	ROCK CHISEL	17.70	4-3/4"	4-3/4"	5-3/4"	11-7/16"	2-13/16"	45PN	45LK
45VIP	TIGER	27.40	4-3/4"	4-3/4"	5-3/4"	13-5/8"	1/4"	45PN	45LK
50S	STANDARD	22.40	5-3/8"	5"	5-7/8"	11-1/8"	5-11/16"	50PN	50LK
50R	ROCK	23.70	5-3/8"	5"	5-7/8"	10-5/8"	5-1/4"	50PN	50LK
55LP	STD. LONG	36.10	5-9/16"	5-1/2"	6-3/4"	13-1/4"	6"	55PN	55LK



PRO-TUFF ESCO Helilok/Vertalok Style Teeth Specs.

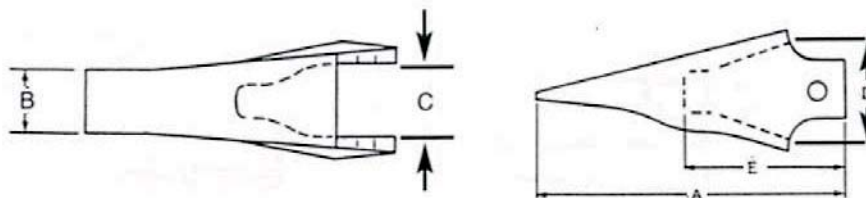
PART #	TYPE	WGHT (LBS)	A	B	C	D	E	HORSE-SHOE LOCK	VERTA LOCK
21SYL	EXCAVATOR	7.30	2-3/8"	3-1/2"	4"	8-11/16"	3"	21LK	N/A
27SYL	EXCAVATOR	9.80	2-3/4"	3-5/16"	4-7/16"	9-1/4"	3-1/2"	27LK	27VKIT
27VIP	TIGER	7.60	2-3/4"	3-5/16"	4-7/16"	9-1/4"	1/4"	27LK	27VKIT
27TVIP	TWIN TIGER	8.90	2-3/4"	3-5/16"	4-7/16"	9-1/4"	3-3/4"	27LK	27VKIT
37SYL	EXCAVATOR	17.30	3-1/4"	4-3/4"	5-3/8"	11"	4-3/4"	37LK	37VKIT
37VIP	TIGER	12.30	3-1/4"	4-3/4"	5-3/8"	11"	1/4"	37LK	37VKIT
37TVIP	TWIN TIGER	15.50	3-1/4"	4-3/4"	5-3/8"	11"	4-3/8"	37LK	37VKIT
47SYL	EXCAVATOR	27.70	6-1/8"	5-1/2"	6-1/8"	12-3/4"	5"	47LK	47VKIT
47VIP	TIGER	20.20	6-1/8"	5-1/2"	6-1/8"	12-3/4"	1/4"	47LK	47VKIT
57SYL	EXCAVATOR	27.70						57LK	57VKIT

Notes



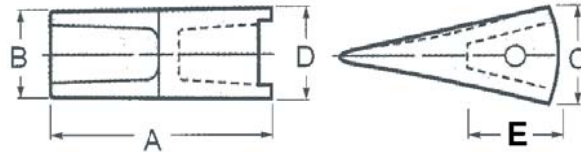
PRO-TUFF ESCO Style Adapters Specifications

PART #	TYPE	WGHT (LBS)	A	B	C	D	E (DEG)	F (DEG)	PIN	LOCK
1617-18	2	5.90	4-3/4"	3-1/2"	13/16"	SQ. LIP	SQ. LIP	18	18/20PN	18/20LK
833-18	1	3.08	3-3/4"	1-1/8"	1-1/4"	3/8"	31	17	25/30PN	25/30LK
3807-25	2	11.00	7-1/4"	4-7/8"	1-3/8"	1/2"	31	17	25/30PN	25/30LK
3807-30	2	15.20	5-1/4"	7-3/4"	1-7/16"	SQ. LIP	30	20	25/30PN	25/30LK
3808-35	2	17.60	5-5/8"	8-1/8"	1-7/16"	SQ. LIP	30	12	35PN	35/40LK
3809-40	2	26.40	5-3/4"	9"	1-7/8"	SQ. LIP	30	12	40PN	35/40LK
2810-45	2	39.60	13-1/4"	6"	2-1/8"	5"	30	13	45PN	45LK



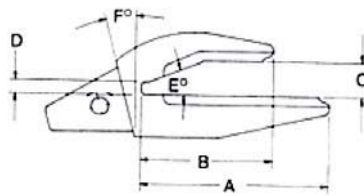
PRO-TUFF ESCO Style Ripper Teeth Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	PIN	BUSHING
22R10	RIPPER TOOTH	8.00	10-3/4"	1-3/4"	2-3/8"	2-13/16"	5-1/8"	22RPG	22RBG
25R11	RIPPER TOOTH	12.00	10-1/4"	2-1/4"	2-5/8"	3-3/8"	1-7/8"	25RPG	25RBG
25R12	RIPPER TOOTH	13.10	11-1/8"	2-1/4"	2-5/8"	3-3/8"	1-7/8"	25RPG	25RBG
35R14	RIPPER TOOTH	27.20	14"	2-1/2"	3-9/16"	4-5/8"	8-1/16"	35RPG	35RBG
39R16A	RIPPER TOOTH	38.20	16"	3"	3-13/16"	5-5/16"	9"	39RPG	39RBG



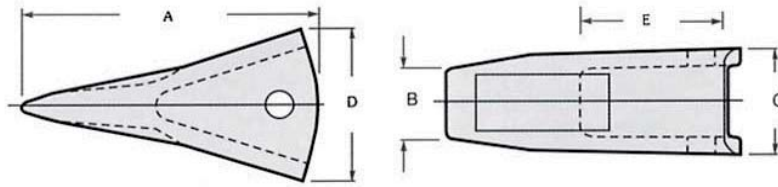
PRO-TUFF Komatsu Style Teeth Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	PIN
175-78-31230	STANDARD	34.00	13-1/8"	3"	5-3/16"	3-1/4"	7-1/4"	175-78-21740
20X-70-14160	STANDARD	3.80	6-7/8"	2-5/8"	2-1/4"	2-1/4"	3"	20X-70-00150
202-70-12130	STANDARD	8.60	7-7/8"	3-1/4"	2-11/16"	3-1/16"	3-3/8"	092-44-02496
205-70-19570	STANDARD	10.60	8-3/4"	2-7/8"	3-1/8"	2-15/16"	4-5/16"	092-44-02496
205-70-19570RC	ROCK CHISEL	12.30	9-1/2"	1-1/4"	3-1/8"	2-15/16"	4-5/16"	092-44-02496
207-70-14151	STANDARD	14.80	9-3/4"	3-1/2"	3-3/8"	3-11/16"	4-9/16"	175-78-21810
207-70-14151RC	ROCK CHISEL	16.70	10-7/8"	1-3/4"	3-3/8"	3-11/16"	4-9/16"	175-78-21810
208-70-14270	STANDARD	32.20	11"	4-1/2"	3-3/4"	4-1/2"	5-7/8"	092-44-03036
208-70-14270RC	ROCK CHISEL	35.50	13-1/8"	2-1/8"	3-3/4"	4-1/2"	5-7/8"	092-44-03036
423-847-1140	STANDARD	16.70	10-1/8"	3-3/4"	3-1/4"	3-3/4"	4-1/2"	175-78-21810
426-847-1110	STANDARD	26.70	11-3/8"	4-1/4"	4-9/32"	4-5/16"	4-3/4"	092-44-03036



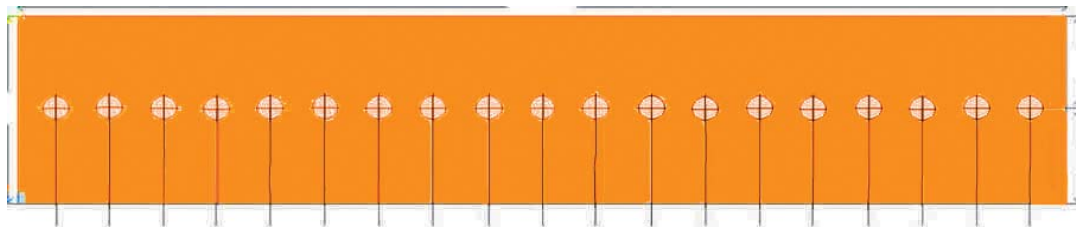
PRO-TUFF Komatsu Style Adapters Specifications

PART #	TYPE	WGHT (LBS)	A	B	C	D	E	F (DEG)	PIN
20X-70-14151	1	4.90	5-3/4"	2-3/4"	5/8"	N/A	SQUARE LIP	12	20X-70-00150
205-939-7120	1	14.75	7-1/8"	4-7/8"	1-7/16"	N/A	SQUARE LIP	12	092-44-02496
206-939-5120	1	19.80	8-1/8"	4-7/8"	1-3/4"	N/A	22 DEGREES	12	175-78-21810
207-939-5120	1	17.50	8-1/8"	4-7/8"	1-3/4"	N/A	SQUARE LIP	12	175-78-21810
208-939-3120	1	65.50	10-5/8"	6-3/4"	1-3/4"	N/A	SQUARE LIP	12	092-44-03036



PRO-TUFF Komatsu Style Ripper Teeth Specs.

PART #	DESCRIPTION	TYPE	WGHT (LBS)	A	B	C	D	E	PIN
141-78-11253	RIPPER TOOTH	1	27.70	13-5/8"	2-7/8"	6-3/8"	4-7/8"	3/16"	175-78-21740
175-78-31230	RIPPER TOOTH	2	32.00	13-1/8"	3"	6-5/8"	4-5/8"	1/2"	175-78-21740
195-78-21331	RIPPER TOOTH	2	41.40	14-1/2"	2-7/8"	7-13/16"	4-13/16"	5/8"	175-78-21740
195-78-71140	RIPPER TOOTH	1	53.00	16-3/16"	3-1/2"	8-13/16"	5"	3/4"	175-78-21740
195-78-71320	RIPPER TOOTH	2	49.80	16-3/8"	3"	8-9/32"	5"	3/4"	195-78-71360
198-79-11230	RIPPER TOOTH	2	65.60	17-1/8"	4-5/8"	9"	5-5/8"	13/16"	092-44-03036
198-78-21340	RIPPER TOOTH	2	88.00	19-3/4"	3-11/16"	9-7/8"	6"	7/8"	



Komatsu Style Cutting Edge Specifications

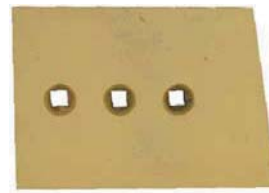
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
101-71-12370	DBF		65-3/4"	6"	5/8"	2.875-6-6..	11	1/2"X2"
104-72-21140	DBF	65	60-5/8"	6"	1/2"	3.312-6-6..	10	1/2"X2"
104-Z40-1160	DBF						12	1/2"X2"
10G-72-21260	DBF						11	1/2"X2"
10G-A70-8251	DBF		36-1/2"	6"	1/2"	3.25-6-6..	6	1/2"X2"
10G-Z46-1120	DBF						13	1/2"X2"
114-72-21140	DBF	31	33-1/8"	6-5/16"	5/8"	1.5625-6..	6	5/8"X2"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
11G-71-21170	DBF		34-1/4"	6-5/16"	5/8"	2.125-6-6..	6	5/8"X2"
124-Z46-1160	DBF						8	5/8"x2"
12F-70-11640	DBF	40	47-1/4"	6-5/16"	5/8"	2.625-6-6..	8	5/8"X2-1/2"
12F-70-1580	DBF							
12F-70-31251	DBF	29	29-7/8"	6-5/16"	5/8"	2.9375-6-6..	5	5/8"X2"
12F-70-31261	DBF	37	35-7/8"	6-5/16"	5/8"	2.9375-6-6..	6	5/8"X2"
12F-70-31281	DBF	50	47-7/8"	6-5/16"	5/8"	2.9375-6-6..	8	5/8"X2"
12F-929-2650	DBF						13	1/2"X2"
12F-B74-3171	DBF		36"	6"	1/2"	3-6-6..	6	1/2"X2"
130-70-11145	DBF		51-1/8"	6-5/16"	5/8"	1.5625-6-6..	8	5/8"X2-1/4"
130-70-51130	DBF	89	56"	8"	3/4"	4-6-6..	9	3/4"X2-3/4"
130-70-61170	DBF	96	60-7/16"	8"	3/4"	3.21875-6-6..	10	3/4"X2-3/4"
130-870-1820	DBF		18-1/2"	6-5/16"	3/4"	3.25-6-6..	3	5/8"X2-1/4"
130-920-2180	DBF	74	47-1/8"	8"	3/4"	2.5625-6-6..	7	3/4"X2-3/4"
130-Z27-1510	DBF	82	56-5/16"	8"	3/4"	4.15625-6-6..	8	3/4"X2-3/4"
134-70-31180	DBF	96	60-7/16"	8"	3/4"	3.21875-6-6..	10	3/4"X2-3/4"
140-70-11720	DBF						10	5/8"X2-1/2"
144-70-11131	DBF	103	65-5/16"	8"	3/4"	2.65625-6-6..	11	3/4"X2-1/2"
144-70-61140	DBF						12	3/4"X2-3/4"
144-920-1120	DBF	86	54-3/8"	8"	3/4"	3.1875-6-6..	9	3/4"X2-3/4"
144-920-1910	DBF						9	3/4"X2-3/4"
14X-71-11310	DBF	85	54-3/8"	8"	3/4"	3.1875-6-6..	9	3/4"X2-3/4"
14X-952-1130	DBF	80	50-1/4"	8"	3/4"	4.125-6-6..	8	3/4"X2-3/4"
14Y-71-11210	DBF	103	65-5/16"	8"	3/4"	2.65625-6-6..	11	3/4"X2-3/4"
154-70-11314	DBF	120	45-3/8"	10"	1"	1.8125-6-6..	8	3/4"X2-1/2"
154-70-16591	DBF	134	51-1/2"	10"	1"	1.75-6-6..	9	3/4"X2-1/2"
154-72-11122	DBF	141	54-1/2"	10"	1"	3.25-6-6..	9	3/4"X2-1/2"
154-72-11151	DBF	92	35-11/16"	10"	1"	2.84375-6-6..	6	3/4"X2-1/2"
154-81-11191	DBF	85	33"	10"	1"	1.5-6-6..	6	3/4"X2-1/2"
175-70-21114	DBF	198	77-3/4"	10"	1"	2.875-6-6..	13	7/8"X3-1/2"
175-70-21115	DBF	140	55"	10"	1"	3.5-6-6..	9	7/8"X3-1/2"
175-70-26310	DBF	108	41-7/8"	10"	1"	2.9375-6-6..	7	7/8"X3-1/2"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
175-71-11242	DBF	156	59-1/2"	10"	1"	2.5-6-6..	10	7/8"X3-1/2"
175-72-21122	DBF	171	65-3/4"	10"	1"	2.875-6-6..	11	7/8"X3-1/2"
175-72-21123	DBF	88	47-1/4"	10"	1"	2.25-6-6..	6	7/8"X3-1/2"
17A-71-11351	DBF	122	30"	13"	1-1/4"	3.375-6-6	5	1"X3-1/2"
17A-71-12221	DBF						6	1"X3-1/2"
17M-71-21160	DBF						5	
17M-71-21550	DBF	132	31"	13"	1-1/4"	3.375-6-6..	5	
17M-72-21160	DBF						5	
195-70-12492	DBF	223	52-1/4"	13"	1-1/4"	2.125-6-6..	6	1"X3-1/2"
195-71-11654	DBF	182	41-3/4"	13"	1-1/4"	2.875-6-6..	7	
195-71-37450	DBF	130	35-3/4"	12"	1-1/4"	2.875-6-6..	6	1"X4"
195-71-51120	DBF	116	28-1/4"	13"	1-1/4"	3.21875-6-6..	5	1"X4"
195-71-51651	DBF	195	41-7/8"	13"	1-1/4"	2.9375-6-6..	7	1-1/8"X4"
195-71-51671	DBF	223	52-1/4"	13"	1-1/4"	2.125-6-6..	9	1-1/8"X4"
195-71-52210	DBF						5	1"X4"
195-71-61550	DBF	232	34-3/4"	16"	1-1/2"	3.46875-6-6..	6	1-1/4"X4"
195-72-11144	DBF	150	34-1/2"	13"	1-1/4"	2.25-6-6..	6	1"X4"
198-71-11181	DBF	220	33-3/4"	16"	1-1/2"	5.375-6-6..	5	1-1/4"X4"
198-71-21830	DBF	330	46-3/4"	16"	1-1/2"	2.375-6-6..	8	1-3/8"X5"
198-71-21840	DBF	224	33-3/4"	16"	1-1/2"	5.375-6-6..	5	1-3/8"X5"
198-71-31540	DBF	238	33-7/8"	16"	1-3/4"	4.375-6-6..	5	1-3/8"X5"
198-71-31550	DBF	336	46-3/4"	16"	1-3/4"	2.375-6-6..	8	1-3/8"X5"
198-72-11181	DBF	220	33-3/4"	16"	1-1/2"	5.375-6-6..	5	1-1/4"X4"
19M-72-11231	DBF	405	47-1/2"	16"	2"	2.75-6-6..	8	1-3/8"X6"
19M-72-11241	DBF	350	42-3/8"	16"	2"	2.875-6-6..	7	1-3/8"X6"
19M-72-21260	DBF	253	29-5/8"	16"	2"	2.8125-6-6..	5	1-3/8"X6"
361-701-1160	SBF						6	1/2"X2-1/4"
361-972-1140	DBF						6	1/2"X2-1/4"
362-701-1121	SBF						6	5/8"X2-1/4"
362-972-1110	DBF						7	5/8"X2-1/4"
362-972-1111	DBF						6	5/8"X2-1/4"
363-701-1160	SBF						7	5/8"X2-1/4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
415-70-12121	SBF						11	5/8"X2-1/2"
415-815-1110	DBF		41-1/2"	8"	3/4"		5	5/8"X2-1/2"
415-815-1120	DBF	40	47-1/4"	6-5/16"	5/8"	2.625-6-6..	3	5/8"X2-1/2"
416-70-12121	SBF							
416-815-1110	DBF		57-17/32"	10"	3/4"		4	3/4"X3"
416-815-1120	DBF		17-1/8"	10"	3/4"		2	3/4"X3"
416-815-1310	DBF	134	52-3/8"	10"	1"	6.5-13.125..	4	3/4"X3"
416-815-1320	DBF	55	21"	10"	1"	6.5-11.125-3.375	2	3/4"X3"
416-816-1310	DBF		36"	6"	1/2"	3-6-6..	4	3/4"X3"
416-816-1320	DBF		51-1/8"	6-5/16"	5/8"	1.5625-6-6..	2	3/4"X3"
417-70-12121	SBF	171	94-1/8"	8"	7/8"	3.125-11.125-13.125.	14	3/4"X3"
417-815-1210	DBF	140	53-9/16"	10"	1"	9.875-13.125..	4	
417-815-1220	DBF	56	21-3/32"	10"	1"	3.25-11.1875..	2	
418-70-12121	SBF	216	96-1/16"	8-3/4"	1"	3.25-11.1875..	14	3/4"X3"
418-815-1110	DBF	46	17-5/8"	10"	1"	3.218-11.1875..	2	
418-815-1120	DBF	158	60-3/8"	10"	1"	10.03125-13.437..	4	
418-815-1211	DBF	280	58-3/4"	13"	1-3/8"	7.25-14.75..	4	
418-815-1221	DBF	102	23-7/32"	13"	1-3/8"	3.25-12.718-7.25..	2	
419-70-12122	SBF	321	105-11/16"	10"	1-1/8"		14	
419-70-12221	SBF		107-7/8"	8-7/8"	1-1/8"		14	
419-809-1120	SBF							
419-815-1110	DBF	322	66-15/16"	13"	1-3/8"	11.375-14.75-14.68..	4	
419-815-1120	DBF	89	19-1/4"	13"	1-3/8"	3.25-12.75-3.25	2	
419-815-1211	DBF	103	65-5/16"	8"	3/4"	2.65625-6-6..	11	
419-819-1120	SBF							
421-70-12122	SBF	411	120"	8-3/4"	1-3/8"	3.312-3.125-7.375..	27	
421-70-12320	SBF	410	119-3/4"	8-3/4"	1-3/8"		27	
421-70-12430	SBF	437	124-13/16"	8-7/8"	1-1/2"	3.9375-5.15625..	27	
421-809-1120	SBF							
421-815-1111	DBF	365	76-13/16"	13"	1-3/8"	7.468-3.15625..	8	
421-815-1121	DBF	91	21-9/16"	13"	1-3/8"	3.312-3.125-7.375..	4	
421-815-1131	DBF	101	21"	13"	1-3/8"	3.875-3.15625..	4	

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
421-815-1211	DBF	342	77-29/32"	13"	1-3/8"	6.437-3.156-12.312..	8	
421-815-1221	DBF	111	23-5/16"	13"	1-3/8"	5.625-3.156-7.375..	4	
423-70-12121	SBF	388	108"	8-7/8"	1-3/8"	4.125-3.156-7.6875..	24	
423-809-1120	SBF							
423-815-1111	DBF	305	63-3/8"	13"	1-3/8"	7.625-3.156-15..	8	
423-815-1121	DBF	106	22"	13"	1-3/8"	4-3.156-7.6875..	4	
423-815-1211	DBF	304	64-1/16"	13"	1-3/8"	6.375-3.156-16.006..	8	
423-815-1221	DBF	113	25"	13"	1-3/8"	4-3.156-8.375..	4	
424-70-12121	SBF	406	115"	8-7/8"	1-3/8"	3.9375-3.156-8.75..	24	
424-70-12220	SBF	403	114-1/4"	8-7/8"	1-3/8"	3.9375-3.156-8.375..	24	
424-815-1111	DBF	306	68-13/16"	13"	1-3/8"	8.75-3.125-10.006..	8	
424-815-1131	DBF	111	22-5/8"	13"	1-3/8"	3-3.156-8.375..	4	
424-815-1211	DBF	338	73-1/4"	13"	1-3/8"	5.687-3.125-11.562..	4	
425-70-12122	SBF	562	134"	10-5/8"	1-1/2"	3.812-13.937-10.25..	27	
425-809-1121	SBF							
425-815-1110	DBF	562	82-3/8"	16"	1-1/2"	11-3.9375-14.875..	8	
425-815-1120	DBF	180	25-19/32"	16"	1-1/2"	3.687-3.937-10.25..	4	
425-815-1310	DBF	587	81-3/8"	16"	1-5/8"		8	
425-815-1320	DBF	188	26"	16"	1-5/8"		4	
426-70-12122	SBF							
426-806-1120	SBF		145"	13-15/16"	2"			
426-815-1110	DBF	239	34-7/16"	16"	1-1/2"	5-3.9375-16.5675..	8	
426-815-1120	DBF	327	47-3/16"	16"	1-1/2"	11.375-3.937-16.567.	4	
426-815-1130	DBF	82	23"	7-7/8"	1-1/2"	8-6.875..	4	
427-70-12125	SBF							
428-70-12120	SBF							
428-806-1120	SBF							



Komatsu Style Bulldozer End Bit Specs.

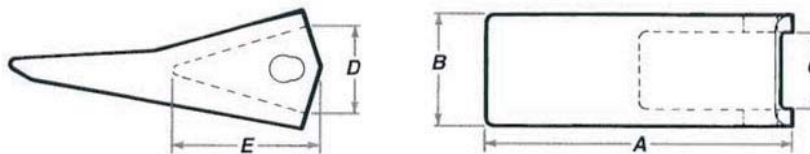
PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
11G-71-31170	LC-LR	15	5/8"	1.625-3.125-3.125..	N/A	4	5/8"X2"
124-70-21330	HC-R		3/4"	2.953-3.343-3.343..	4.625-3.343..	5	5/8"X3"
124-70-21340	HC-L		3/4"	2.953-3.343-3.343..	4.625-3.343..	5	5/8"X3"
12F-929-2170	LC-LR	12	5/8"	1.406-2.343..	N/A	4	1/2"X2"
12F-B47-3171	LC-LR						1/2"X2"
12F-Z26-1140	HC-L					5	5/8"X3"
12F-Z26-1150	HC-R					5	5/8"X3"
13F-A70-1570	HC-L	11	3/4"	1.781-3.343-3.343-..	3.781-3.343..	5	5/8"X3"
13F-A70-1580	HC-R	11	3/4"	1.781-3.343-3.343-..	3.781-3.343..	5	5/8"X3"
13F-Z27-1571	HC-R	33	1-1/8"	2.172-2.75-2.75..	3.547-2.766..	5	3/4"X4"
13F-Z27-1572	LC-L	26	1"	2.125-2.75..	3.5-2.75..	5	3/4"X4"
13F-Z27-1581	HC-L	33	1-1/8"	2.172-2.75-2.75..	3.547-2.766..	5	3/4"X4"
13F-Z27-1582	LC-R	26	1"	2.125-2.75..	3.5-2.75..	5	3/4"X4"
144-70-11180	HC-L	35	1"	2.172-2.75-2.75..	3.547-2.766.	5	3/4"X2-3/4"
144-70-11190	HC-R	35	1"	2.172-2.75-2.75..	3.547-2.766.	5	3/4"X2-3/4"
144-70-11251	HC-L	40	1-1/4"	2.125-2.75..	3.5-2.75..	5	3/4"X2-3/4"
144-70-11261	HC-R	40	1-1/4"	2.125-2.75..	3.5-2.75...	5	3/4"X2-3/4"
150-70-21346	HC-R	62	1-1/4"	1.875-4.125..	1.875-3.375..	5	3/4"X3-1/4"
150-70-21356	HC-L	62	1-1/4"	1.875-4.125..	1.875-3.375..	5	3/4"X3-1/4"
154-926-1120	HC-R	56	1-1/8"	1.875-4.125..	1.875-3.375.	6	3/4"X2-1/2"
154-926-1130	HC-L	56	1-1/8"	1.875-4.125..	1.875-3.375..	6	3/4"X2-1/2"
175-70-21125	HC-L	58	1-1/4"	1.6375-2.125-3.375..	1.6375-2.125-4.5..	7	7/8"X5"
175-70-21126	HC-R	58	1-1/4"	1.6375-2.125-3.375..	1.6375-2.125-4.5..	7	7/8"X5"
175-70-21135	HC-L	58	1-1/4"	1.6375-2.125-3.375..	1.6375-2.125-4.5..	7	7/8"X3-1/2"
175-70-21136	HC-R	58	1-1/4"	1.6375-2.125-3.375..	1.6375-2.125-4.5..	7	7/8"X3-1/2"
175-70-22241	HC-L	83	1-1/4"	2.5-3.5-4.625-4.625..	2.5-4.625-6.875..	7	7/8"X5"

PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
175-70-22251	HC-R	83	1-1/4"	2.5-3.5-4.625-4.625..	2.5-4.625-6.875..	7	7/8"X5"
175-71-22271	HC-L	80	1-3/8"	1.25-2.375-4.125..	3.25-2.375-5.312..	7	7/8"X3-1/2"
175-71-22272	HC-R	80	1-3/8"	1.25-2.375-4.125..	3.25-2.375-5.312..	7	7/8"X3-1/2"
175-71-22281	HC-L	95	1-3/8"	3.5-3.5-4.625-4.625..	3.5-4.625-6.875..	7	7/8"X4"
175-71-22282	HC-R	95	1-3/8"	3.5-3.5-4.625-4.625..	3.5-4.625-6.875..	7	7/8"X4"
17M-71-21930	HC-L	237	2"	1.5-4.875-4.375..	1.5-5.625-5.8125..	7	1"X3-1/2"
17M-71-21940	HC-R	237	2"	1.5-4.875-4.375..	1.5-5.625-5.8125..	7	1"X3-1/2"
195-71-11173	HC-L	138	1-5/8"	3.75-4.875-4.625..	3.75-5.375-5.8125..	7	1"X4"
195-71-11183	HC-R	138	1-5/8"	3.75-4.875-4.625..	3.75-5.375-5.8125..	7	1"X4"
195-71-51630	HC-L	130	1-5/8"	1.5-4.875-4.375..	1.5-5.375-5.8125..	7	1"X4"
195-71-51631	HC-L	134	1-5/8"	2.25-4.125-4.375..	2.125-4.25-6.375..	7	1-1/8"X4"
195-71-51640	HC-R	130	1-5/8"	1.5-4.875-4.375..	1.5-5.375-5.8125..	7	1"X4"
195-71-51641	HC-R	134	1-5/8"	2.25-4.125-4.375..	2.125-4.25-6.375..	7	1-1/8"X4"
195-71-61930	HC-L	309	2-1/4"	1.9375-3.125-5.125..	1.9375-3.125-4.75..	8	1-1/4"X4"
195-71-61940	HC-R	309	2-1/4"	1.9375-3.125-5.125..	1.9375-3.125-4.75..	8	1-1/4"X4"
198-71-11161	HC-R		2"	3.14-3.14-5.125..	3.14-3.14-4.75..	8	1-1/4"X5"
198-71-11171	HC-L		2"	3.14-3.14-5.125..	3.14-3.14-4.75..	8	1-1/4"X5"
198-72-11160	HC-R	287	2-1/4"	2.125-3.125-5.125..	2.125-3.125-4.75..	8	1-1/4"X5"
198-72-11170	HC-L	287	2-1/4"	2.125-3.125-5.125..	2.125-3.125-4.75..	8	1-1/4"X5"
198-71-21810	HC-L	303	2-1/4"	1.9375-3.156-4.718..	1.9375-3.156-4.718..	8	1-3/8"X5"
198-71-21811	HC	56	2-1/4"	1.968-3.140-5.125..	1.968-3.140-4.75..	8	1-3/8"X5"
198-71-21820	HC-L	303	2-1/4"	1.9375-3.156-4.718..	1.9375-3.156-4.718..	8	1-3/8"X5"
198-71-21821	HC	58	2-1/4"	1.968-3.140-5.125..	1.968-3.140-4.75..	8	1-3/8"X5"
198-71-31520	HC	504	3"	1.9375-3.140-5.125..	1.9375-3.140-4.718..	8	1-3/8"X5"
198-71-31530	HC	504	3"	1.9375-3.140-5.125..	1.9375-3.140-4.718..	8	1-3/8"X5"
19M-72-11210	HC	422	3"	2.625-3.625-5.875..	2.625-3.625-5.875..	8	1-3/8"X5"
19M-72-11220	HC	422	3"	2.625-3.625-5.875..	2.625-3.625-5.875..	8	1-3/8"X5"



Komatsu Style Grader Overlay & End Bit Specs.

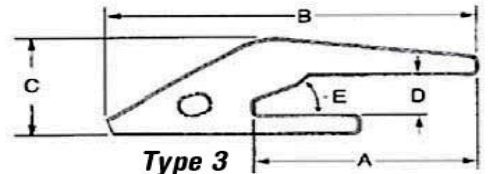
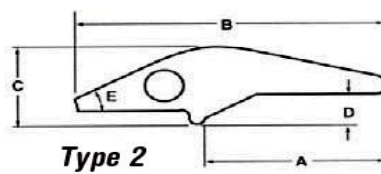
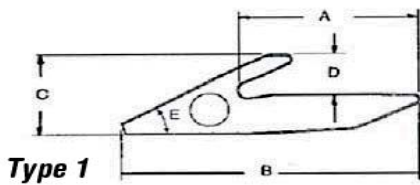
PART #	STYLE	WGHT (LBS)	THICKNESS	DIMENSIONS	HOLE SPACING	# OF HOLES	BOLT SIZE
232-70-12130	END BIT - RL	15	1/2"	6"X17-1/2"		5	5/8"
232-70-12150	OVERLAY - L	20	5/8"	9"X15-7/8"		5	5/8"
232-70-12160	OVERLAY - R	20	5/8"	9"X15-7/8"		5	5/8"
232-70-52180	END BIT - RL	20	5/8"	6"X18-15/16"		5	5/8"
232-70-52190	OVERLAY - RL	25	1/2"	9"X19-3/8"		4	5/8"
232-70-52191	OVERLAY - RL	38	1/2"	9"X24-1/8"		4	5/8"
232-70-52192	OVERLAY- RL					5	5/8"
234-70-12214	END BIT - RL	22	5/8"	6"X20-7/8"		5	5/8"
234-70-12233	OVERLAY - RL	27	1/2"	9"X21-1/8"		4	5/8"
234-70-32230	END BIT - RL	28	5/8"	8"X19-3/4"		5	3/4"
234-70-32240	OVERLAY - RL	37	1/2"	11"X24-1/4"		6	3/4"
237-70-22150	OVERLAY - RL					2	5/8"
237-870-1120	END BIT - L		1/2"	6"X16-13/16"		5	5/8"
237-870-1130	END BIT - R		1/2"	6"X16-13/16"		5	5/8"



PRO-TUFF H&L Style Teeth Specifications

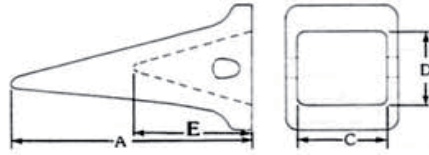
PART #	TYPE	WGHT (LBS)	A	B	C	D	E	FLEX PIN
00PS	CRIMP-ON	0.30	3-7/16"	1-1/2"	1"	7/8"	1-3/4"	N/A
134AF	CRIMP-ON	0.80	5-1/8"	1-7/16"	3/4"	1-5/8"	3-7/8"	N/A
2AF	CRIMP-ON	1.00	4-1/8"	1-3/4"	1-1/16"	1-5/8"	2-1/2"	N/A

PART #	TYPE	WGHT (LBS)	A	B	C	D	E	FLEX PIN
23F	STD. FAB.	2.10	5-1/8"	2-1/4"	1-1/2"	1-11/16"	3-1/8"	23P
230FL	FLARE	3.25	5"	4-1/2"	1-1/2"	1-11/16"	3-1/8"	23P
230S	STANDARD	3.00	6-1/8"	2"	1-1/2"	1-11/16"	3-1/8"	23P
230ST	STAR ROCK	2.75	6-1/16"	1/4"	1-1/2"	1-11/16"	3-1/8"	23P
230T	TIGER	3.10	6-7/8"	1/4"	1-1/2"	1-11/16"	3-1/8"	23P
230WT	TWIN TIGER	3.90	6-5/8"	3"	1-1/2"	1-11/16"	3-1/8"	23P
240S	STANDARD	4.40	7-1/2"	2-1/8"	1-1/2"	2-1/8"	4-1/8"	24P
240T	TIGER	4.10	7-1/2"	1/4"	1-1/2"	2-1/8"	4-1/8"	24P
240WT	TWIN TIGER	4.70	7-1/2"	3-1/8"	1-1/2"	2-1/8"	4-1/8"	24P
250S	STANDARD	6.70	7-5/8"	2-1/4"	2"	2-1/8"	4-1/8"	25P
250T	TIGER	6.20	8"	1/4"	2"	2-1/8"	4-1/8"	25P
250WT	TWIN TIGER	6.50	8"	3-3/4"	2"	2-1/8"	4-1/8"	25P
270S	STANDARD	8.20	8"	3-5/8"	2-7/8"	2-1/8"	4-3/8"	27P



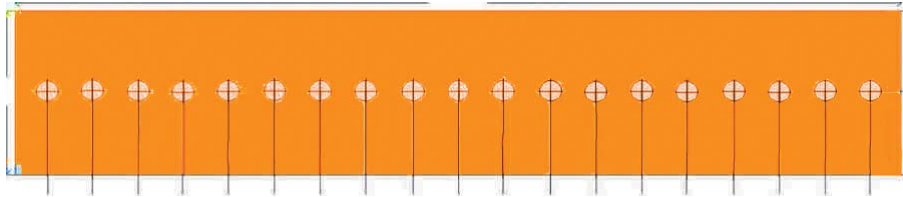
PRO-TUFF H&L Style Adapters

PART #	TYPE	WGHT (LBS)	A	B	C	D	E (DEG)	FLEX PIN
835-2A	1	1.60	3-7/8"	6-13/16"	2-1/32"	1-1/32"	30	N/A
2520W-2AH	2	2.20	3-3/4"	6-7/8"	2"	1/2"	30	N/A
834-23	1	2.70	4"	7-3/16"	2-1/4"	1"	30	23P
1001-23	2	4.10	4-11/16"	8"	2-3/8"	3/4"	30	23P
2740W23	3	3.50	3-1/2"	7-1/2"	2-11/16"	1-1/16"	24	23P
2740AW23	3	3.25	3-1/4"	7-1/8"	2-1/2"	7/8"	24	23P
2740W24	3	5.30	5-1/2"	10"	2-15/16"	1-1/16"	24	24P
2740W25	3	7.80	5-7/8"	10-1/4"	3-1/8"	1-5/16"	24	25P



PRO-TUFF H&L Style Teeth Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	FLEX PIN
18C	RIPPER TOOTH	14.70	10-9/16"	2-3/8"	2-1/2"	1-3/4"	3-1/4"	18P
21C	RIPPER TOOTH	3.90	7-1/4"	1-3/4"	1"	2-7/16"	3-15/16"	21P
36C	RIPPER TOOTH	40.00	14-1/16"	3"	2-7/8"	4-9/16"	5-1/2"	36P
38C	RIPPER TOOTH	61.80	16-1/8"	3-3/8"	3-9/16"	5-1/2"	7-7/8"	38P



Case Style Cutting Edge Specifications

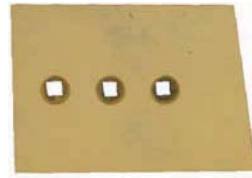
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
115631A	DBF		34-1/8"	6"	5/8"	1.375-6-6..	13	5/8"X2"
16040	DBF		55-7/8"	6"	1/2"		14	1/2"X2"
16792	DBF		71-7/8"	6"	1/2"	1.9375-4-4..	18	1/2"X2"
35277	SBF		23"	6"	1/2"			
37448	SBF		29"	6"	1/2"			
747340	SBF		100"	10"	1-1/4"		18	
A15349	SBF		78-1/2"	6"	1/2"			
A17654	DBF		70-3/8"	6"	5/8"		12	3/4"X2-1/2"
A17655	DBF		12-13/16"	6"	3/4"		3	3/4"X2-1/2"
A17657	SBF		94-1/16"	8"	3/4"		18	
A18658	DBF		81-15/16"	6"	5/8"		14	3/4"
A18660	SBF		82-3/4"	6"	3/4"		14	3/4"
B41985	SBF		93-7/16"	8"	3/4"		18	
D122568	SBF	102	89-3/8"	6"	3/4"	5.75-12.25..	3	
D128975	SBF		27-11/16"	8"	1"			

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
D132342	SBF		33-11/16"	8"	1"			
D135512	SBF		15-1/2"	6-1/2"	1"			
D135513	SBF		17-1/2"	6-1/2"	1"			
D135514	SBF		23-1/2"	6-1/2"	1"			
D135515	SBF		29-1/2"	6-1/2"	1"			
D135516	SBF		35-1/2"	6-1/2"	1"			
D138064	SBF		21-11/16"	8"	1"			
D145680	SBF	98	90"	6"	3/4"	4.25-8..	10	3/4"
D145681	DBF	125	82"	8"	3/4"	5-8-8..	10	3/4"X2-1/2"
D147136	SBF		91-3/16"	6-1/2"	1"		15	
D147249	SBF		15-13/16"	6-1/2"	1"			
D147323	DBF		91-1/4"	10"	3/4"	3.625-6-6..	15	3/4"X2-1/2"
D147409	SBF		11-3/4"	6-1/2"	1"			
D29981	DBF		71-7/8"	6"	5/8"	1.9375-4..	18	5/8"X2-1/2"
D32945	DBF		83-7/8"	6"	5/8"	1.9375-4-4	21	5/8"X2-1/2"
D38711	DBF		66"	6"	1/2"		6	5/8"X2"
D39196	DBF		11-7/8"	6"	5/8"		3	3/4"X2-1/2"
D39197	DBF		52"	6"	5/8"		9	3/4"X2-1/2"
D47776	DBF		95-7/8"	6"	5/8"	1.9375-4-4	24	5/8"X2-1/2"
D47776HD	DBF		95-7/8"	6"	3/4"	1.9375-4-4	24	
D49617	SBF		83-13-16"	6"	5/8"		14	
D50492	DBF		9-5/8"	6"	3/4"	1.8125-9.625..	2	3/4"X2-1/4"
D51388	SBF		73-3/8"	4"	1/2"			
D51885	SBF		61-7/32"	6"	3/4"		12	
D51889	SBF		79-5/32"	8"	1"		16	
D52377	DBF		87-7/8"	6"	5/8"	1.9375-6..	15	5/8"X2-1/2"
D53356	SBF		40"	8"	1"			
D54097	DBF							
D54979	SBF		17-1/2"	8"	1"			
D75632	SBF	52	80-15/32"	4"	3/4"			
D75636	SBF	41	81-5/16"	4"	1/2"			
D76258	SBF	56	82"	4"	3/4"			

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
D95071	SBF	39	62-15/32"	4"	3/4"			
E35701	SBF	51	92-9/32"	4"	1/2"			
H438919	SBF		73-1/4"	6"	3/4"		12	5/8"X2-1/4"
H439029	DBF		73-1/4"	8"	3/4"		12	5/8"X2-1/4"
L104555	SBF		102-13/16"	8"	1-1/4"		18	5/8"X3"
L106797	SBF		92-5/8"	8"	1"		9	5/8"X2-3/4"
L111771	DBF	132	41-1/8"	10"	1-1/4"	7.7187-12.8437..	3	5/8"X3"
L111772	DBF	102	31-15/16"	10"	1-1/4"	5-9.093-12.8437-5	3	5/8"X3"
L111773	DBF	169	41-15/16"	12"	1-1/4"	6.9375-14.03..	3	3/4"X3"
L111774	DBF	143	35-21/32"	12"	1-1/4"	6.9687-7.6875..	3	3/4"X3"
L111775	DBF	117	36-9/16"	10"	1-1/4"	6-3.009-12.1875..	3	5/8"X3"
L111776	DBF	109	33-13/16"	10"	1-1/4"	5.96875-12.1875..	3	5/8"X3"
L111777	DBF	109	43-1/4"	10"	1"	4.375-11.5..	4	5/8"X2-3/4"
L111778	DBF	53	21-1/4"	10"	1"	7-11.5-2.75..	2	5/8"X2-3/4"
L111779	DBF	128	37-3/8"	10"	1-1/4"	7.5625-11.125..	3	5/8"X2-3/4"
L111780	DBF	100	29-1/8"	10"	1-1/4"	3.437-11.125	3	5/8"X2-3/4"
L111917	SBF		84-1/2"	6"	3/4"		8	5/8"X2-1/2"
L112523	SBF		84-1/2"	6"	3/4"		16	5/8"X2-1/2"
L115718	DBF		43"	10"	1"		8	5/8"X2-1/2"
L115719	DBF		21-1/4"	10"	1"		4	5/8"X2-1/2"
L118525	SBF		102-7/8"	8"	1-1/4"		22	
L118560	DBF		31-15/16"	13"	1-1/8"	5-9.75-3.75-9.093-5	8	3/4"X2-3/4"
L118561	DBF		41-1/8"	13"	1-1/8"	7.718-12.531..	6	3/4"X2-3/4"
L118719	SBF		96-15/16"	8"	1"		16	3/4"X2-3/4"
L124454	DBF	108	34-1/4"	12"	1"	5.9375-11.8125..	6	3/4"X2-3/4"
L124455	DBF	97	31-1/8"	12"	1"	6.25-6.8125-5..	8	3/4"X2-3/4"
L125171	DBF	157	39-3/4"	12"	1-1/4"	6.5625-13.9375..	3	1"X3-1/2"
L125172	DBF	134	34-3/8"	10"	1-1/4"	5.8125-8.75-12.312..	3	1"X3-1/2"
L125815	DBF		34-3/8"	12"	1-1/4"		3	1"X3-1/2"
L125816	DBF		39-3/4"	12"	1-1/4"		3	1"X3-1/2"
L127038	DBF	156	38-3/16"	12"	1-1/4"	6.9375-12.781..	6	3/4"X3"
L127241	SBF		96-15-16"	8"	1"		16	

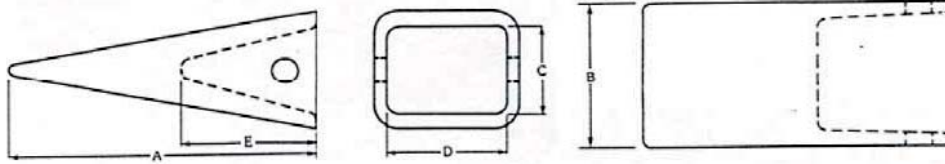
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
L127359	SBF		99-29/32"	8"	1"		16	
L127366	DBF	121	36"	12"	1"	5.75-12.25..	6	3/4"X2-1/4"
L127367	DBF	99	31-13/16"	12"	1"	3.125-10.25-12.25..	5	3/4"X2-1/4"
L127426	SBF		102-7/16"	8"	1"		16	
L127427	SBF		103-1/16"	8"	1-1/4"		16	3/4"X3"
L127428	DBF		31-1/16"	12"	1"		5	3/4"X2-1/2"
L127429	DBF	132	32-3/16"	12"	1-1/4"	3.468-96875..	5	3/4"X3"
L128264	DBF		40-3/4"	12"	1-1/4"		6	3/4"X3"
L128265	DBF		29-1/2"	12"	1-1/4"		6	3/4"X3"
L129401	SBF		109"	10"	1-1/4"	5.8125-8.75-13.312..	9	1"X3-1/2"
L13774	SBF		96-1/8"	6"	5/8"			
L18756	SBF		93-1/2"	8"	3/4"		18	
L300287	DBF		94-5/8"	10"	7/8"		9	5/8"X2-1/2"
L300862	DBF		48"	10"	1"		8	1"X3"
L300942	SBF		94-1/2"	8"	3/4"		16	1"X3"
L301026	DBF	174	94-5/8"	10"	3/4"	3.9375-11..	18	5/8"X2-1/2"
L301051	DBF		51-1/2"	10"	1"	6.437-12.875..	8	5/8"X2-1/2"
L301052	DBF	54	22-3/16"	10"	1"	6.25-12.5675-3.375	4	5/8"X2-1/2"
L301503	DBF	54	22-3/16"	10"	1"	6.25-12.5675-3.375	4	5/8"X2-1/2"
L301620	SBF							
L43412	SBF		34-9/16"	6"	3/4"			
L46613	SBF		92-5/8"	8"	1"		18	5/8"X2-1/2"
L47296	SBF		92-1/2"	8"	1"		18	5/8"X2-1/2"
L47367	SBF		95-1/16"	6"	3/4"			
L54092	SBF		102"	8"	1-1/4"		18	
L57494	SBF		93-1/2"	8"	1-1/4"		18	
L58159	SBF		84-1/2"	8"	3/4"		16	5/8"X2-1/2"
L59904	SBF		111"	10"	1-1/4"		18	3/4"X3"
R22973	DBF		79-7/8"	6"	5/8"		20	5/8"X2-1/2"
R22981	DBF	88	87-7/8"	6"	5/8"	1.9375-4-4..	22	5/8"X2-1/2"
R23000	DBF		63-7/8"	6"	5/8"	1.9375-4-4..	16	5/8"X2-1/2"
R24492	DBF	52	63-7/8"	6"	1/2"	1.9375-6-8..	9	1/2"X2"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
R28276	SBF		85-1/2"	10"	1-1/4"		16	
R29741	DBF	48	63-3/4"	6"	1/2"	1.875-4-4..	16	1/2"X2"
R29981	DBF							
R32043	DBF	104	99-7/8"	6"	5/8"	1.9375-6-6..	25	5/8"X2-1/4"
R34688	DBF		32-3/4"	8"	3/4"		5	3/4"X2-1/2"
R34906	DBF		33"	8"	3/4"		6	3/4"X2-1/2"
R37028	DBF	55	35"	8"	3/4"	2.5-6-6..	6	3/4"X2-1/2"
R37029	DBF	67	42-3/4"	8"	3/4"	2.375-6-6..	7	3/4"X2-1/2"
R39115	DBF		59-13/16"	8"	3/4"	2.906-6-6..	10	3/4"X2-1/2"
R39202	SBF							
R41857	DBF	127	86-7/8"	8"	3/4"	1.437-6-6..	15	3/4"X2-1/2"
R42532	DBF	98	99-7/8"	6"	5/8"	1.9375-6-6..	17	5/8"X2-1/2"
R43179	DBF	77	79-3/4"	6"	5/8"	1.875-4-4..	4	5/8"X2-3/4"
R43239	DBF	85	86-13/16"	6"	5/8"	1.437-6-6..	15	5/8"X2-3/4"
R44592	DBF		71-3/4"	6"	5/8"	2.875-6-6..	12	5/8"X2-3/4"
R44600	DBF	73	74-3/4"	6"	5/8"	1.375-6-6..	13	5/8"X2-3/4"
R45446	DBF	38	38-15/16"	6"	5/8"	1.468-6-6..	7	5/8"X2-1/2"
R45447	DBF	50	51"	6"	5/8"	1.5-6-6..	9	5/8"X2-1/2"
R46009	SBF		85-1/2"	10"	1-1/4"		16	
R48976	DBF		34-3/8"	6"	5/8"		6	5/8"X2-1/2"
R51169	SBF		85-1/2"	10"	1-1/4"		16	
R53318	DBF		62-13/16"	6"	5/8"	4.375-6-6..	10	3/4"X2-1/2"
R53319	DBF		9-19/32"	6"	3/4"	1.5-6..	2	3/4"X2-3/4"
R54188	SBF		79-3/16"	8"	1"		16	
R54419	DBF		48-1/4"	6"	5/8"	3.125-6-6..	8	5/8"X2-1/2"
R56772	DBF	75	47-1/2"	8"	3/4"	2.75-6-6..	8	3/4"X2-1/2"
R57842	DBF	61	63-3/4"	6"	5/8"	1.875-4-4..	16	1/2"X2"
R57843	DBF	76	79-7/8"	6"	5/8"	1.9375-4-4..	20	1/2"X2"
R57844	DBF	68	71-7/8"	6"	5/8"	1.875-4-4..	18	1/2"X2"
T24246	SBF		80-7/16"	4"	3/8"			
T30974	SBF		47-1/4"	4"	1/2"			
T33511	DBF		80"	3"	1/2"		7	1/2"X2"



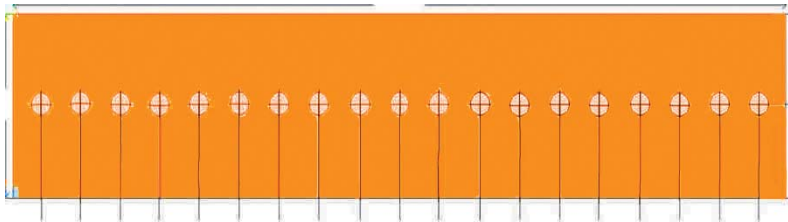
Case Style Bulldozer End Bit Specs.

PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
70375	HC-R		3/4"	2-4-4	N/A	5	5/8"X2-1/2"
70376	HC-L		3/4"	2-4-4..	N/A	5	5/8"X2-1/2"
D34323	LC-RL		1/2"	2-4-4-1.75	N/A	3	1/2"X2"
D38712	LC-R		1/2"		N/A	2	5/8"X2-1/4"
D38713	LC-L		1/2"		N/A	2	5/8"X2-1/4"
D43406	HC-L	18	3/4"	2-4-4..	2-4-4..	6	1/2"X2"
D43407	HC-R	18	3/4"	2-4-4..	2-4-4..	6	1/2"X2"
D48041	LC-RL	12	5/8"	1.9375-4-4-3.5675	N/A	3	5/8"X2-1/4"
D51100	HC-R	20	3/4"	2-4-4..	4-4..	5	5/8"X2-1/2"
D51101	HC-L	20	3/4"	2-4-4..	4-4..	5	5/8"X2-1/2"
R18821	LC-RL		1/2"		N/A	3	1/2"X2"
R28442	LC-R	35	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
R28443	LC-L	35	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
R29629	LC-RL	10	1/2"	1.9375-4-8..	N/A	4	1/2"X2"
R29742	LC-RL	9	1/2"	2-4-4..	N/A	3	1/2"X2"
R37034	LC-RL		1"			5	3/4"X2-1/2"
R39116	HC-R					6	3/4"X2-1/2"
R39117	HC-L					6	3/4"X2-1/2"
R41351	HC-R	26	1"	2-4-4..	4-4..	5	5/8"X2-1/2"
R41352	HC-L	26	1"	2-4-4..	4-4..	5	5/8"X2-1/2"
R41858	HC-L	44	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
R41859	HC-R	44	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
R41910	LC-L	52	1"	2.75-6..	5.75-6..	5	3/4"X2-1/2"
R41911	LC-R	52	1"	2.75-6..	5.75-6..	5	3/4"X2-1/2"
R53319	LC-RL		3/4"	1.5-6..	N/A	2	3/4"X2-1/2"
R57841	LC-RL	12	5/8"	2-4-4-2	N/A	3	1/2"X2"



PRO-TUFF John Deere Style Teeth Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	PIN	LOCK
T103189	STANDARD	5.70	6"	3"	1-11/16"	2-1/4"	2-1/2"	T112195	T112196
T105690	STANDARD	4.80	6"	2"	1-11/16"	2-1/4"	2-1/2"	T112195	T112196
T29887	STANDARD	5.90	6-1/4"	3"	1-13/16"	2-7/16"	1-13/16"	P160	N/A
T69647	STANDARD	10.20	9"	2-1/2"	3-1/8"	2-1/2"	4-3/8"	9J2308	8E6259
U16086	STANDARD	4.20	5-3/4"	3"	1-13/16"	2-1/4"	1-13/16"	P160	N/A
U13449	STANDARD	2.40	4-1/2"	2-1/2"	1-3/16"	1-1/2"	1-3/4"	P156	N/A



PRO-TUFF John Deere Style Cutting Edge Specs.

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
AT108860	DBF		36-7/16"	8"	3/4"	6-12.1875..	3	5/8"X2-1/2"
AT108861	DBF		21-1/3"	8"	3/4"	6-12.1875..	2	5/8"X2-1/2"
AT123053	DBF	33	20-1/4"	8"	3/4"	6.062-11.156-3.062	2	3/4"X3"
AT123054	DBF	92	54-1/2"	8"	3/4"	6.812-13.468-13.93..	4	3-4"X3"
AT123070	DBF	82	51-3/4"	8"	3/4"	6.5-12.875-13..	4	3/4"X3"
AT139622	DBF	92	9-1/2"	22"	1-1/2"	8-3-3..	3	1-1/4"X4"
AT139623	DBF	333	50"	16"	1-1/2"	8.25-16.75..	3	1-1/4"X4"
PBT105892	SBF	68	79-1/4"	4"	7/8"		8	5/8"X2-1/4"
PBT26645	SBF		93-15/16"	6"	7/8"	4.875-14.375..	7	3/4"X2-1/2"

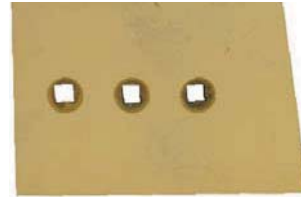
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
PBT34095	SBF		64-7/16"	4"	7/8"		8	
PBT34103	SBF	79	87-3/4"	4"	7/8"		8	5/8"X2-1/2"
PBT35372	SBF	228	93-15/16"	8"	1"	3.8437-14.375..	7	3/4"X2-1/2"
PBT35374	SBF	326	108-1/4"	8"	1-1/4"	3.218-9.625-9.6875..	11	3/4"X2-1/2"
PBT65455	SBF		102-1/2"	8"	1"	3.875-11.187-11.18..	10	3/4"X2-1/2"
PBT69229	SBF	70	90-1/8"	4"	7/8"		8	5/8"X2-1/4"
PBT69309	SBF	98	90-1/8"	6"	7/8"		8	5/8"X2-1/2"
PBU11768	SBF		64-7/16"	4"	1/2"		7	
PBU14242	SBF	79	90-1/2"	4"	7/8"		8	5/8"X2-1/2"
PBU40554	SBF		77-3/16"	6"	1/2"		7	3/4"X2-1/4"
PBU43812	SBF	77	90-1/2"	4"	7/8"		8	
T101255	SBF	215	100-7/16"	7-13/16"	1"	4.171-11.187-13.93..	18	3/4"X3"
T101638	DBF	115	41-1/2"	10"	1"	6.812-13.937-6.812..	3	3/4"X3"
T101639	DBF	33	8-1/8"	14"	1"	5-2..	3	3/4"X3"
T101647	DBF		53-3/8"	13"	1-1/4"	8.8125-17.875..	3	
T101648	DBF		12"	19"	1-1/4"		3	
T101923	SBF	381	109-7/16"	9-13/16"	1-1/4"	11.68-12.25-15.125..	18	
T101939	DBF	121	45"	10"	1"	7.375-15.125..	3	
T101940	DBF	41	9-1/8"	14-3/4"	1"	5-2.4278..	3	
T102646	SBF	258	101-3/4"	10"	1"	4.25-11.312-14.187..	18	3/4"X3"
T102695	DBF	119	42-1/4"	10"	1"	6.9375-14.1875..	3	3/4"X3"
T103141	DBF	29	18-15/16"	8"	3/4"	5.375-10.875-2.625..	2	5/8"X2-1/4"
T103142	DBF	68	43-9/16"	8"	3/4"	5.375-10.9375..	4	5/8"X2-1/4"
T118768	SBF	101	92-3/8"	6"	3/4"		8	5/8"X2-1/2"
T118977	SBF	100	90-1/16"	6"	3/4"		8	5/8"X2-1/2"
T119757	SBF	74	81-15/16"	6"	5/8"	2.6875-10.9375..	16	5/8"X2-1/4"
T120639	SBF	219	95-1/4"	10"	7/8"	3.009-11.14-13..	16	3/4"X3"
T120979	DBF	108	70-5/8"	8"	3/4"	2.312-9-12..	7	3/4"X2"
T120980	DBF	121	78-5/8"	8"	3/4"	3.312-12-..	7	3/4"X2"
T120981	DBF	150	94-5/8"	8"	3/4"	2.312-9-12..	9	3/4"X2"
T123976	SBF	355	112-3/16"	9-1/2"	1-1/4"	4.6875-12.5-15.637..	18	
T123988	DBF	117	46-3/8"	10"	1"	7.625-15.6375..	3	

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
T126774	SBF	135	97"	8"	5/8"	6.5-12..	8	5/8"X2-1/2"
T127297	DBF	98	63-5/8"	8"	3/4"	2.312-5.5-12..	7	3/4"X2"
T127618	DBF	58	59-7/8"	6"	5/8"	2.9375-3-12..	7	3/4"X2-1/2"
T128538	SBF	145	92-1/2"	8"	3/4"		16	5/8"X2-1/2"
T129782	SBF	276	101-3/4"	9-13/16"	1"	4.437-2.437-8.5..	18	3/4"X3"
T129786	DBF	77	22-3/8"	12-1/2"	1"	4.5-2.437-8.5..	4	3/4"X3"
T129787	DBF	197	56-3/8"	12-1/2"	1"	5.875-14.875..	4	3/4"X3"
T130078	DBF	299	62-7/8"	14"	1-1/4"	8.125-15.6375..	4	
T130079	DBF	115	24-1/4"	14"	1-1/4"	4.637-2.375-10.175..	4	
T130080	SBF	359	112-1/4"	9-3/16"	1-1/4"	4.656-2.406-10.156..	18	
T140560	DBF	136	88-5/8"	8"	3/4"	2.312-6-12..	9	3/4"X2"
T143074	SBF	201	97"	8"	1"		8	5/8"X2-1/2"
T144579	SBF	562	119-11-16"	11-13/16"	1-1/2"	5.9375-7.8125-..	30	1-1/4"X4"
T145946	DBF	194	96"	10"	3/4"	4.875-14.375..	7	3/4"X2-1/2"
T146672	DBF	34	8-1/8"	14"	1"	5-2..	3	3/4"X3"
T146673	DBF	115	41-1/2"	10"	1"	6.8125-13.9375..	3	3/4"X3"
T146772	DBF							
T147931	DBF	144	36"	13"	1-1/8"	3-6..	6	
T147932	DBF	193	48"	13"	1-1/8"	3-6..	3	
T148082	DBF	160	41-7/8"	13"	1-1/8"	2.9375-6..	7	
T149467	SBF	273	101-3/4"	9-13/16"	1"	4.125-1.875-6..	32	3/4"X3"
T150487	SBF	95	86"	6"	3/4"	7-12-12..	7	5/8"X2-1/4"
T150517	DBF	135	86"	8"	3/4"	7-12-12..	7	5/8"X2-1/4"
T152342	DBF	19	12-5/16"	8"	3/4"	3-6-3.9375..	2	5/8"X2-1/2"
T152344	DBF	83	53-1/16"	8"	3/4"	8.6375-12-12..	4	5/8"X2-1/2"
T152355	SBF	114	78-3/8"	8"	3/4"	3.1875-6-12..	14	5/8"X2-1/2"
T152510	SBF	211	95-1/4"	8"	1"	3.009-13-13.474..	30	3/4"X3"
T152653	SBF	205	92-9/16"	8"	1"	3.009-11.171-12.72..	16	3/4"X3"
T152658	SBF		78-5/16"	6"	3/4"			5/8"X2-1/4"
T156031	SBF	575	119-11/16"	12"	1-1/2"	5.9375-7.8125-4.31..	30	1-1/4"X4"
T156262	SBF	623	128-15/16"	12"	1-1/2"	5.937-1.6375-6-6..	32	
T156530	DBF	266	44-7/8"	16"	1-1/4"	8.875-18-18..	3	

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
T156603	SBF	192	95-9/32"	8"	1"	4.172-6.718-3.9375..	30	3/4"X3"
T156637	DBF	102	39"	10"	1"	5.75-13.343-13.343..	3	3/4"X3"
T157282	SBF	216	100-13/32"	8"	1"	4.6875-7.421-3.406..	30	3/4"X3"
T157311	DBF	114	41-5/8"	10"	1"	6.5-14.006-14.006..	3	3/4"X3"
T157465	SBF	221	105-7/8"	8"	1"	4.171-8.218-3.343..	30	3/4"X3"
T157492	DBF	117	44-3/8"	10"	1"	3.5-14.781..	3	3/4"X3"
T159635	SBF		112-3/16"	9-13/16"	1-1/4"	5.109-6-6-6-6..	18	
T159674	SBF		101-3/4"	9-13/16"	1"	2.875-6-6-6-6..	17	
T159675	SBF		100-3/8"	7-13/16"	1"	5.1875-6-6-6-6..	16	
T159916	DBF	109	29-7/8"	13"	1-1/8"	2.9375-6..	5	
T159917	DBF	116	31-15/16"	13"	1-1/8"	2.9875-6-6..	5	
T161116	DBF	249	38-15/16"	16"	1-1/2"	5.9375-6..	6	1"X3-1/2"
T161117	DBF	268	41-15/16"	16"	1-1/2"	2.9375-6-6..	7	1"X3-1/2"
T162493	DBF	124	47-3/4"	10"	1"	2.875-6-6..	8	
T167922	DBF	244	49-7/8"	16"	1-1/4"	8.25-16.6875..	3	1-1/4"X4"
T169126	SBF	577	119-1/2"	12"	1-1/2"	5.847-6-6-6-6..	19	1"X3-1/2"
T169127	SBF	192	95-1/4"	8"	1"	2.64-6-6-6-6..	16	
T169128	SBF	221	105-7/8"	8"	1"	2.9375-6-6-6-6..	17	
T169142	SBF	204	100-3/8"	8"	1"	5.1875-6-6..	16	
T26637	SBF		90-1/4"	6"	7/8"			
T26809	SBF		102-1/4"	8"	1"		10	3/4"X2-1/2"
T32742	DBF	69	71-7/8"	6"	5/8"	2.9375-9-12..	7	3/4"X2-1/4"
T35308	SBF	240	93-15-16"	8"	1"	3.8125-12.312..	8	3/4"X2-1/2"
T35327	SBF	295	102-1/4"	8"	1-1/4"	3.812-10.91-10.91..	10	3/4"X2-1/2"
T35361	SBF	210	90-1/4"	8"	1"	3.6875-11.8125..	8	3/4"X3"
T35567	SBF		86-1/4"	6"	7/8"			5/8"X2-1/4"
T49153	DBF	133	86-1/2"	8"	3/4"	1.25-6-6..	12	3/4"X2-1/2"
T57407	SBF		124-9/16"	10-1/2"	1-3/4"			7/8"X4"
T57442	SBF		114-1/4"	10-1/2"	1-3/4"			7/8"X4"
T57933	DBF	177	31-3/4"	16"	1-1/4"	7.875-16..	8	7/8"X4"
T58190	DBF	227	118-3/4"	10"	3/4"	2.375-6-6..	20	3/4"X2-1/2"
T58940	DBF	191	124-3/4"	8"	3/4"	2.375-6-6..	21	3/4"X2-1/2"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
T64320	DBF	115	90-3/4"	8"	5/8"	5.5-11.125-11.125..	8	5/8"X2-1/4"
T65255	SBF	288	102-1/4"	8"	1-1/4"	3.8125-11.8125..	9	7/8"X3"
T65259	SBF	326	108-1/4"	8"	1-1/4"			3/4"X2-1/2"
T65443	SBF	221	94"	8"	1"	3.875-14.375-14.375.	7	3/4"X2-1/2"
T65841	SBF	211	92-1/2"	8"	1"	3.125-14.375..	7	3/4"X2-1/4"
T65937	DBF	188	122-3/8"	8"	3/4"	1.1875-6-6..	21	3/4"X2-1/2"
T73281	DBF	111	71-1/2"	8"	3/4"	2.75-6-6..	12	3/4"X2-1/2"
T765268	DBF							
T76968	DBF	102	47-3/16"	10"	3/4"	5-843-11.812-11.87..	4	3/4"X3"
T76971	DBF	94	49-3/16"	10"	3/4"	6.125-12.312..	4	3/4"X2-1/2"
T76973	DBF	174	96"	10"	3/4"	4.875-14.375..	7	3/4"X2-1/2"
T77894	SBF	71	90-1/8"	4"	7/8"		8	1/2"X2-1/4"
T78994	SBF		129-1/8"	11-13/16"	1-3/4"			7/8"X3-1/2"
T79192	DBF	64	41-7/8"	8"	3/4"	2.9375-6-6....	7	3/4"X2-1/2"
T79193	DBF	63	41-3/8"	8"	3/4"	2.437-6-6..	7	3/4"X3"
T79194	DBF	46	29-7/8"	8"	3/4"	2.9375-6-6..	5	3/4"X2-1/2"
T79195	DBF	59	35-3/8"	8"	3/4"	2.437-6-6..	6	3/4"X2-1/2"
T79196	DBF	81	47-7/8"	8"	3/4"	2.9375-6-6..	8	3/4"X2-1/2"
T79197	DBF	43	28-9/16"	8"	3/4"	2.875-6-6..	5	3/4"X2-1/2"
T79198	DBF	58	35-7/8"	8"	3/4"	2.9375-6..	6	3/4"X2-1/2"
T79199	DBF	66	40-1/8"	8"	3/4"	1.1875-6-6..	7	3/4"X2-1/2"
T79671	DBF		49-3/16"	10"	3/4"	6.125--12.312.		3/4"X2-1/2"
T79675	DBF							
T79676	DBF							
T84180	DBF		66-1/4"	8"	3/4"		8	1/2"X2-1/4"
T84183	DBF	155	92"	8"	3/4"		8	1/2"X2-1/4"
T84184	DBF	145	92-3/8"	8"	3/4"	4.1875-12-12..	8	5/8"X2-1/2"
T84810	DBF							
U11707	DBF	60	55-7/8"	6"	1/2"	2.9375-13-12..	5	5/8"X2"
U11711	DBF	36	47-7/8"	6"	1/2"	2.9375-6-6..	6	5/8"X2"
U11714	DBF	49	65-7/8"	6"	1/2"	2.9375-6-12..	7	5/8"X2"
U11792	SBF	62	64-1/2"	4"	7/8"		8	

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
U15150	DBF		68-7/8"	6"	5/8"	2.9375-7.5-12..	7	5/8"X2-1/4"
U15152	DBF	46	47-7/8"	6"	5/8"	2.9375-6-6..	6	5/8"X2"
U16735	DBF	53	55-7/8"	6"	5/8"	2.9375-4.75-8.25..	7	3/4"X2-1/2"
U16748	DBF	63	65-7/8"	6"	5/8"	2.9375-6-12..	7	3/4"X2-1/4"
U16814	DBF	87	81-7/8"	6"	5/8"	2.9375-6-7-12..	9	3/4"X2-1/2"



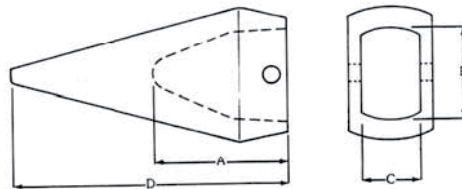
John Deere Style Bulldozer End Bit Specs.

PART #	STYLE	WGHT (LBS)	THICKNESS	BOTTOM HOLE SPACING	TOP HOLE SPACING	# OF HOLES	BOLT SIZE
T112067	HC		3/4"	2-4-4	N/A	5	5/8"X2-1/2"
T112068	HC		3/4"	2-4-4..	N/A	5	5/8"X2-1/2"
T120978	LC-RL		1/2"	2-4-4-1.75	N/A	3	1/2"X2"
T153378	LC		1/2"		N/A	2	5/8"X2-1/4"
T153379	LC		1/2"		N/A	2	5/8"X2-1/4"
T31148	LC-RL	18	3/4"	2-4-4..	2-4-4..	6	1/2"X2"
T49155	LC	18	3/4"	2-4-4..	2-4-4..	6	1/2"X2"
T49156	LC	12	5/8"	1.9375-4-4-3.5675	N/A	3	5/8"X2-1/4"
T49157	HC	20	3/4"	2-4-4..	4-4..	5	5/8"X2-1/2"
T49158	HC	35	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
T58191	LC	35	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
T58192	LC	10	1/2"	1.9375-4-8..	N/A	4	1/2"X2"
T59155	HC	9	1/2"	2-4-4..	N/A	3	1/2"X2"
T59156	HC					6	3/4"X2-1/2"
T84555	HC	26	1"	2-4-4..	4-4..	5	5/8"X2-1/2"
T84556	HC	26	1"	2-4-4..	4-4..	5	5/8"X2-1/2"
U11708	LC-RL	44	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
U15653	HC	44	1"	1.875-6-6..	4.875-6..	5	3/4"X2-1/2"
U16562	HC	52	1"	2.75-6..	5.75-6..	5	3/4"X2-1/2"



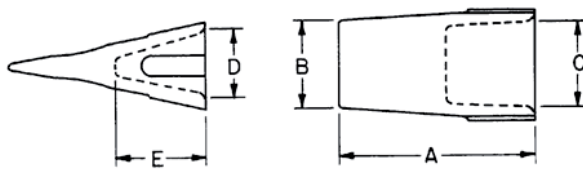
John Deere Style Grader Overlay & End Bit Specs.

PART #	STYLE	WGHT (LBS)	THICKNESS	DIMENSIONS	HOLE SPACING	# OF HOLES	BOLT SIZE
T149150	OVERLAY-RL		1/2"	8-3/8"X21-5/16"		7	3/4"
T149151	OVERLAY-RL		1/2"	8-3/8"X22-1/2"		7	3/4"
T149152	ENDBIT-RL	17	5/8"	6"X18-3/8"	1.8125-3.6875..	5	5/8"
T149153	ENDBIT-RL	21	3/4"	6"X18-3/8"	1.8125-3.6875..	5	5/8"
T34084	OVERLAY-R		5/8"	9"X21-13/16"		10	5/8"
T34085	OVERLAY-L		5/8"	9"X21-13/16"		10	5/8"
T70926	OVERLAY-RL	35	5/8"	9"X23-5/8"	4.375-4.125-4.75..	10	5/8"X3"
T70927	OVERLAY-RL	38	5/8"	6"X25-5/8"	6.375-4.125-4.75..	10	5/8"X3"
T71955	ENDBIT-RL	17	5/8"	6"X18-7/8"	2.437-4.9375-4.875..	4	5/8"X2-1/4"
T71956	ENDBIT-RL	23	3/4"	6"X18-3/16"	2.437-4.9375-4.875..	5	5/8"X2-1/2"
U42495	ENDBIT-RL	14	5/8"	6"X16-5/8"	2.1875-4.906-4.75..	4	5/8"X2-1/2"



PRO-TUFF ATECO Style Ripper Teeth Specifications

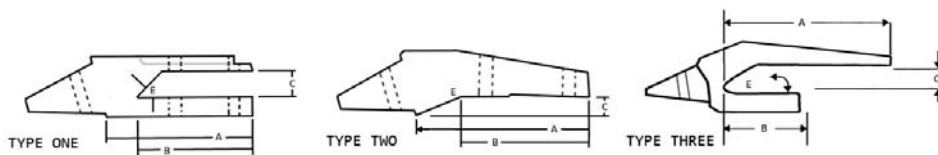
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	FLEX PIN
3-0868	RIPPER TOOTH	8.50	5-3/16"	2-11/16"	2"	9-1/4"	25/26P
3-5868	RIPPER TOOTH	10.00	14-15/16"	2-11/16"	1-7/8"	9-1/4"	25/26P
4-5300	RIPPER TOOTH	46.20	7-7/16"	5-1/4"	3-9/16"	15-7/8"	32P
4-5900	RIPPER TOOTH	46.00	7-7/16"	5-1/4"	3-9/16"	14"	32P



PRO-TUFF Hensley Parabolic Style Teeth Specs.

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	STEEL PIN	FLEX PIN
X156	STANDARD	1.40	5"	1-13/16"	1-9/16"	1-5/8"	2-1/4"	P156	
X156L	STANDARD LONG	1.70	5-1/2"	1-15/16"	1-9/16"	1-5/8"	2-1/4"	P156	
X156X	STANDARD TOP PIN (FLEX STYLE)	1.65	5-1/2"	1-13/16"	1-9/16"	1-5/8"	2-1/4"		23P
X156LP	LONG POINT	2.45	6"	2-1/4"	1-5/8"	1-5/8"	2-1/4"	P156	
X156T	TIGER	1.90	5-7/8"	1/8"	1-5/8"	1-5/8"	2-1/4"	P156	
X156WT	TWIN TIGER	2.40	6"	3-1/4"	1-9/16"	1-5/8"	2-1/4"	P156	
X160	STANDARD	3.50	6-5/8"	2-1/4"	1-5/8"	2-3/8"	3-5/8"	P160	
X220	STANDARD	6.10	7"	2-7/8"	2-1/4"	2-1/8"	3-1/2"	P160	
X220T	TIGER	6.20	7-3/4"	1/4"	2-1/4"	2-1/8"	3-1/2"	P160	
X220WT	TWIN TIGER	8.60	7-7/8"	4-1/8"	2-1/4"	2-1/8"	3-1/2"	P160	
X290	STANDARD	8.70	8"	3-1/4"	2-7/8"	2-11/16"	3-7/8"	K290S	P290
X290T	TIGER	8.10	9-5/8"	1/4"	2-7/8"	2-11/16"	3-7/8"	K290S	P290
X290WT	TWIN TIGER	9.90	9-5/8"	4-5/8"	2-7/8"	2-11/16"	3-7/8"	K290S	P290
X295	STANDARD	8.20	8"	3-1/4"	3-5/8"	2-17/32"	3-15/16"	P295	
X295T	TIGER	8.70	9-5/8"	3/8"	3-5/8"	2-17/32"	3-15/16"	P295	
X295WT	TWIN TIGER	10.50	9-5/8"	4-3/8"	3-5/8"	2-17/32"	3-15/16"	P295	
X310	STANDARD	7.30	7-5/8"	3-1/2"	3"	2-1/4"	3-1/2"	P160	
X310T	TIGER	10.70	9-3/4"	1/4"	3"	2-1/4"	3-1/2"	P160	
X310WT	TWIN TIGER	12.60	9-1/2"	4-3/4"	3"	2-1/4"	3-1/2"	P160	
X330	STANDARD	13.80	9-1/8"	3-5/8"	3-13/32"	3-3/16"	4-1/32"	K330S	P330
X330T	TIGER	11.20	11"	1/4"	3-13/32"	3-3/16"	4-1/32"	K330S	P330
X330WT	TWIN TIGER	14.70	11"	5-1/4"	3-13/32"	3-3/16"	4-1/32"	K330S	P330
X335	STANDARD	12.50	9-1/4"	3-3/4"	3-7/16"	2-15/16"	3-5/8"	P335	
X335RC	ROCK CHISEL	15.90	10-1/8"	3-1/2"	3-7/16"	2-15/16"	3-5/8"	P335	
X335T	TIGER	13.20	11"	1/4"	3-7/16"	2-15/16"	3-5/8"	P335	
X335WT	TWIN TIGER	15.30	11"	5-1/4"	3-7/16"	2-15/16"	3-5/8"	P335	

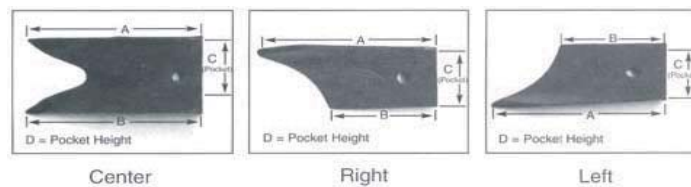
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	STEEL PIN	FLEX PIN
X370WT	TWIN TIGER	21.10	12"	6"	3-5/8"	3-3/8"	4-1/8"	K370S	P370
X370	STANDARD	18.50	10-1/4"	4-1/8"	3-5/8"	3-3/8"	4-1/8"	K370S	P370
X370T	TIGER	18.20	12"	1/4"	3-5/8"	3-3/8"	4-1/8"	K370S	P370
X385	STANDARD	21.40	10-3/4"	4-3/8"	4"	3-3/8"	4-7/8"	P385	
X385RC	ROCK CHISEL	25.30	11-5/8"	4-1/16"	4"	3-3/8"	4-7/8"	P385	
X385T	TIGER	22.10	12-5/8"	1/4"	4"	3-3/8"	4-7/8"	P385	
X385WT	TWIN TIGER	24.10	12-5/8"	6"	4"	3-3/8"	4-7/8"	P385	
X400	STANDARD	16.10	9-5/8"	4-1/8"	4"	3"	4-3/4"		P400HD
X400T	TIGER	15.20	12-1/16"	1/4"	4"	3"	4-3/4"		P400HD
X400WT	TWIN TIGER	19.90	12-1/16"	6-1/8"	4"	3"	4-3/4"		P400HD
X410	STANDARD	21.70	11-3/16"	4-7/16"	4-1/16"	3-3/4"	4-7/8"	K410S	P410
X410T	TIGER	22.60	13-3/8"	1/4"	4-1/16"	3-3/4"	4-7/8"	K410S	P410
X410WT	TWIN TIGER	27.60	13-3/8"	6-5/8"	4-1/16"	3-3/4"	4-7/8"	K410S	P410
X435	STANDARD	29.50	11-3/4"	4-3/4"	4-11/32"	3-25/32"	4-15/16"	P435	
X435RC	ROCK CHISEL	34.90	12-7/8"	4-1/2"	4-11/32"	3-25/32"	4-15/16"	P435	
X435T	TIGER	29.10	14"	5/16"	4-11/32"	3-25/32"	4-15/16"	P435	
X435WT	TWIN TIGER	33.30	14"	6-3/4"	4-11/32"	3-25/32"	4-15/16"	P435	
X475	STANDARD	34.80	12-1/8"	5-3/4"	4-3/4"	3-1/2"	5-9/16"		P475
X475T	TIGER	32.10	13-3/4"	1/4"	4-3/4"	3-1/2"	5-9/16"		P475
X475WT	TWIN TIGER	37.30	13-3/4"	7"	4-3/4"	3-1/2"	5-9/16"		P475



PRO-TUFF Hensley Parabolic Style Adapters Specs.

PART #	TYPE	WGHT (LBS)	A	B	C	D	E (DEG)	PIN
X156-50	1	4.10	8-1/4"	6"	3/4"	2-1/4"	30	P156
X156FL	2	4.66	6-3/8"	4-1/2"	5/8"	2"	30	P156
X156XFL	2	4.65	6-3/8"	4-1/2"	5/8"	2"	30	23P
230X156	3	3.70	4-7/8"	1-3/4"	11/16"	2"	30	P156

PART #	TYPE	WGHT (LBS)	A	B	C	D	E (DEG)	PIN
552X156	3	5.40	6"	3-1/2"	13/16"	2-1/4"	30	P156
109X220	3	16.10	9"	5-1/4"	1-5/16"	3"	30	P160
127X290	3	21.50	10"	4-3/4"	1-5/16"	3-5/8"	30	P290
153X310	3	20.90	10"	4-3/4"	1-9/16"	3-3/4"	30	P160
158X330	3	34.30	10-1/4"	6-3/4"	1-9/16"	4-1/2"	30	P330
940X370	3	36.40	11-3/4"	5-1/4"	2-1/16"	4-5/8"	30	P370
802X400	3	48.00	12-7/32"	6-19/32"	2-1/16"	5-1/8"	30	P400HD
940X410	3	43.40	12"	5-1/4"	2-1/16"	5-1/8"	30	P410

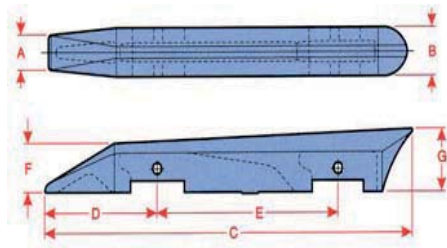


PRO-TUFF ADCO Style Frost Teeth Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	PIN
100C	TWIN TIGER - CTR	3.00	5-3/4"	5-3/4"	1-5/8"	1-5/8"	P100
100R	TIGER - RH	3.10	5-3/4"	3-1/4"	1-5/8"	1-5/8"	P100
100L	TIGER - LH	3.100	5-3/4"	3-1/4"	1-5/8"	1-5/8"	P100
300C	TWIN TIGER - CTR	9.00	8-1/4"	8-1/4"	2-1/8"	2-1/4"	P160
300R	TIGER - RH	8.00	8-1/4"	5"	2-1/8"	2-1/4"	P160
300L	TIGER - LH	8.00	8-1/4"	5"	2-1/8"	2-1/4"	P160

PRO-TUFF ADCO Style Frost Adapter Specifications

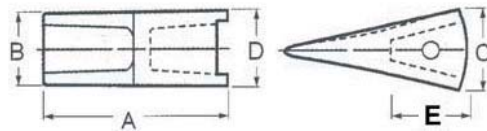
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	PIN
110C	ADAPTER - CTR		7"			2-1/4"	P100
110R	ADAPTER - RH		8"	3"	1"	2-1/4"	P100
110L	ADAPTER - LH		8"	3"	1"	2-1/4"	P100



WELDMENTS

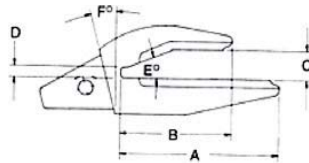
PRO-TUFF Vertical Wear Shrouds Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	F	G
VS410	SHROUD	29.0	1-5/8"	2-7/8"	27-1/4"	9"	N/A	2-1/2"	4-1/4"
VS410WNA	LOWER WELDMENT	3.0	3"	2-13/32"	N/A	N/A	N/A	N/A	N/A
VS410WNB	UPPER WELDMENT	2.9	5-5/16"	2-1/8"	N/A	N/A	N/A	N/A	N/A
VS450	SHROUD	42.5	1-11/16"	2-5/8"	10-1/8"	10-1/8"	13-1/2"	3-3/4"	4-5/8"
VSM100WN	LOW/UP WELDMENT	10.9	5-3/4"	6"	2-3/4"	1-1/16"	N/A"	N/A	N/A
VS500	SHROUD	66.0	2-1/2"	3-7/16"	32-7/8"	10-1/8"	16"	3-21/32"	4-5/8"
VSM150WN	LOW/UP WELDMENT	12.3	5-3/4"	6"	3-7/16"	2-9/16"	N/A	N/A	N/A



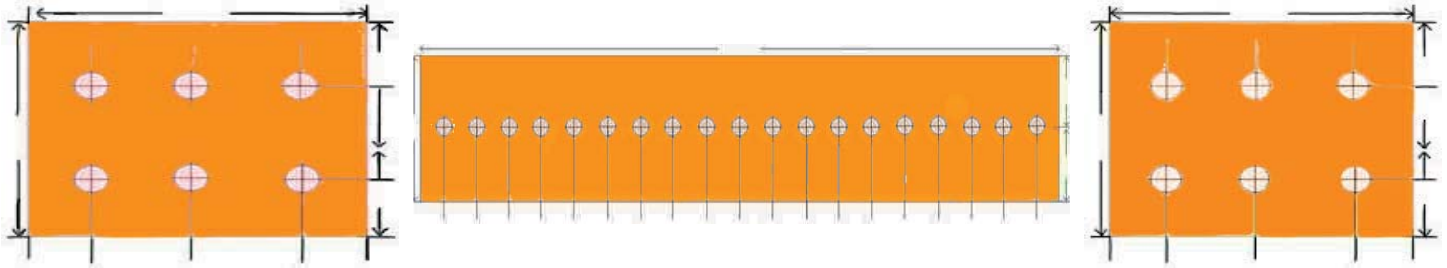
PRO-TUFF Hyundai Style Teeth Specifications

PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	E	PIN	LOCK
E161-3027	STANDARD	10.35	8-1/2"	3-1/2"	2-1/4"	2-7/8"	3-3/4"	9J2358	3G9549
E262-3046	STANDARD	15.60	10"	3-3/4"	3"	3-1/2"	4-1/2"	9J2358	P235W



PRO-TUFF Hyundai Style Teeth Specifications

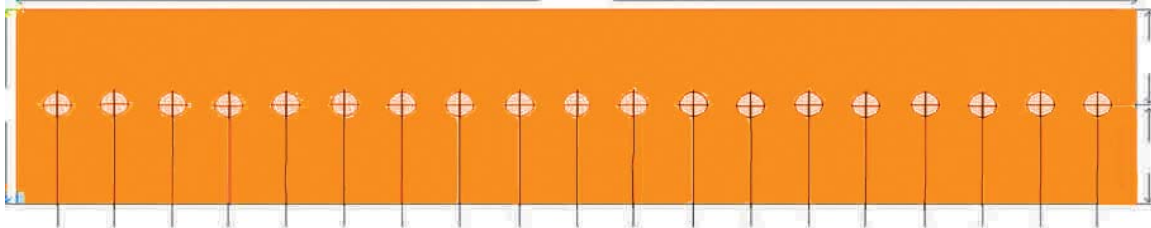
PART #	DESCRIPTION	WGHT (LBS)	A	B	C	D	PIN	LOCK
E161-3017	STANDARD	14.75	7"	2-5/8"	7/8"	1/2"	9J2358	3G9549
E262-3027	SQUARE LIP	28.15	9-3/4"	7-1/4"	1-3/4"	N/A	9J2358	P235W



Volvo Style Cutting Edge Specifications

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
2800551	SBF							
2812478	DBF							
2812746	DBF							
2815913	SBF							
11011112	DBF	101	25-7/16"	15-5/32"	1"	6.337-4.25... (2 Rows)		
11011154	DBF	117	24-1/2"	18-5/32"	1"	5.617-6.628... (2 Rows)		
11011630	SBF	403	133-13/32"	7-7/8"	1"			
11011631	DBF	374	82-9/16"	11-13/16"	1"	3.50-6.298...		
11045299	SBF							
11045300	SBF	577	125-31/32"	9-7/8"	1-3/16"			
11045586	SBF	1005	127-1/8"	18-7/8"	1-9/16"			
11045618	DBF	215	49-1/16"	14-31/32"	1-3/16"	7.478-5.117-5.904-12.08..		
11045619	DBF	215	49-1/16"	14-31/32"	1-3/16"	7.478-5.117-5.904-12.08..		
11045693	SBF	631	113-3/8"	18-25/32"	1-3/8"			
11045768	SBF	432	113-3/8"	10-5/8"	1-3/8"			
11045808	DBF	116	24-9/16"	18-5/32"	1"	4.881-4.251... (2 Rows)		
11045809	DBF	229	63-15/16"	13-3/4"	1"	2.362-11.65-3.149...		
11045826	DBF	125.6	34-15/32"	13-3/4"	1"	5.432-8.66-3.149..		
11045827	DBF	145	44-11/32"	13-3/4"	1"	4.90-2.952-3.149-9.76..		
11081066	DBF	369.6	77-11/32"	14-31/32"	1-3/16"	4.92-7.498..		
11081068	DBF	272.8	57-3/4"	14-31/32"	1-3/16"	6.376-7.498..		
11081069	DBF	204.6	33-31/32"	18-25/32"	1-3/16"	4.499-4.999-7.498..		

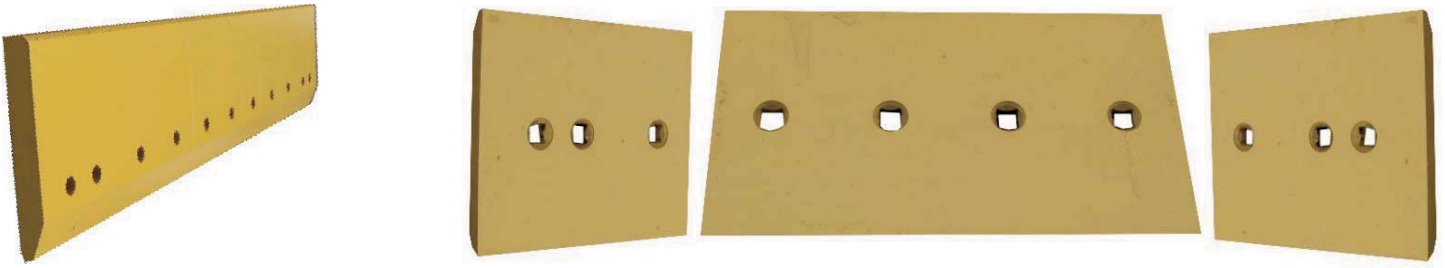
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
11082219	SBF	455.5	118-1/16"	10-5/8"	1-3/8"			
11082755	DBF	248.6	68-11/16"	13-3/4"	1"	4.566-7.442..		
11111691	SBF	704.8	145-5/8"	11-13/16"	1-9/16"			
11111760	SBF	642.4	133-13/16"	11-13/16"	1-9/16"			
11111775	DBF	166	28-9/32"	18-29/32"	1-3/16"			
11111776	DBF	363	76-15/16"	14-31/32"	1-3/16"	3.267-8.797...		
11111889	DBF	187.5	39-3/4"	14-31/32"	1-3/16"	6.396-10.523-5.904..		
11156764	SBF	453.2	118-1/16"	10-5/8"	1-3/8"			
11156765	DBF	123.2	25-25/32"	18-5/32"	1"	5.196-4.743.. (2 ROWS)		
11156766	DBF	239.8	66-7/32"	13-3/4"	1"	5.274-9.486-5.904..		
11308228	DBF							
11308229	DBF							
11405828	DBF							



Skidsteer Cutting Edge Specifications

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
110X12X1220SBF	SBF	28.3	48"	4"	1/2"	N/A	N/A	N/A
110X12X1372SBF	SBF	31.9	54"	4"	1/2"	N/A	N/A	N/A
150X16X1220D-BFH658	DBF	47.5	48"	6"	5/8"	3-6-6-6..	8	5/8"X2-1/4"
150X16X1220SBF	SBF	45.6	48"	6"	5/8"	N/A	N/A	N/A
150X16X1372D-BFH658	DBF	51.3	54"	6"	5/8"	3-6-6-6..	9	5/8"X2-1/4"

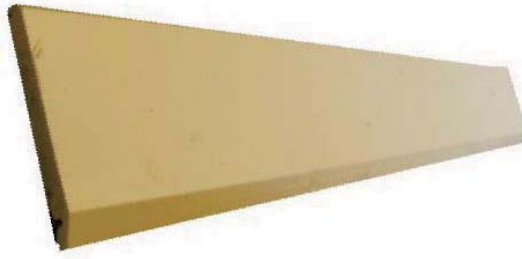
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
150X16X1372SBF	SBF	53.5	54"	6"	5/8"	N/A	N/A	N/A
150X16X1525DBH658	DBF	57	60"	6"	5/8"	3-6-6-6..	10	5/8"X2-1/4"
150X16X1525SBF	SBF	59.4	60"	6"	5/8"	N/A	N/A	N/A
150X16X1575DBFH658	DBF	58.9	62"	6"	5/8"	4-6-6-6..	10	5/8"X2-1/4"
150X16X1575SBF	SBF	61.4	62"	6"	5/8"	N/A	N/A	N/A
150X16X1677DBFH658	DBF	62.7	66"	6"	5/8"	3-6-6-6..	11	5/8"X2-1/4"
150X16X1677SBF	SBF	65.3	66"	6"	5/8"	N/A	N/A	N/A
150X16X1828DBFH658	DBF	68.4	72"	6"	5/8"	3-6-6-6..	12	5/8"X2-1/4"
150X16X1982DBFH6	DBF	74.1	78"	6"	5/8"	3-6-6-6..	13	3/4"X2-1/4"
150X16X1982SBF	SBF	77.2	78"	6"	5/8"	N/A	N/A	N/A
150X16X2134DBFH6	DBF	79.8	84"	6"	5/8"	3-6-6-6..	14	3/4"X2-1/4"
150X16X2439DBFH6	DBF	91.2	96"	6"	5/8"	3-6-6-6..	16	3/4"X2-1/4"
150X20X1525SBF	SBF	72.6	60"	6"	3/4"	N/A	N/A	N/A
150X20X1575SBF	SBF	75.1	62"	6"	3/4"	N/A	N/A	N/A
150X20X1677SBF	SBF	79.9	66"	6"	3/4"	N/A	N/A	N/A
150X20X1829SBF	SBF	87.1	72"	6"	3/4"	N/A	N/A	N/A
150X20X2134SBF	SBF	101.6	84"	6"	3/4"	N/A	N/A	N/A
200X20X1829SBF	SBF	118.8	72"	8"	3/4"	N/A	N/A	N/A
200X20X1982SBF	SBF	128.7	78"	8"	3/4"	N/A	N/A	N/A
200X20X2134SBF	SBF	138.6	84"	8"	3/4"	N/A	N/A	N/A
200X20X2439SBF	SBF	158.4	96"	8"	3/4"	N/A	N/A	N/A
203X19X1220DBFH6	DBF	75.4	48"	8"	3/4"	3-6-6-6..	8	3/4"X2-1/2"
203X19X1372DBFH6	DBF	84.8	54"	8"	3/4"	3-6-6-6..	9	3/4"X2-1/2"
203X19X1525DBFH6	DBF	94.2	60"	8"	3/4"	3-6-6-6..	10	3/4"X2-1/2"
203X19X1575DBFH6	DBF	97.3	62"	8"	3/4"	4-6-6-6..	10	3/4"X2-1/2"
203X19X1677DBFH6	DBF	103.6	66"	8"	3/4"	3-6-6-6..	11	3/4"X2-1/2"
203X19X1828DBFH6	DBF	113.1	72"	8"	3/4"	3-6-6-6..	12	3/4"X2-1/2"
203X19X1982DBFH6	DBF	122.4	78"	8"	3/4"	3-6-6-6..	13	3/4"X2-1/2"
203X19X2134DBFH6	DBF	131.9	84"	8"	3/4"	3-6-6-6..	14	3/4"X2-1/2"
203X19X2439DBFH6	DBF	150.7	96"	8"	3/4"	3-6-6-6..	16	3/4"X2-1/2"
250X30X2439SBF	SBF	288.1	96"	10"	1-1/8"	N/A	N/A	N/A



General Excavator Cutting Edge Specifications

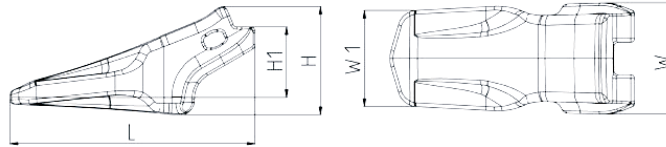
PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
29194	SBF	237.6	61"	10"	1-1/4"	3.5-3-6-6..	11	1"
29195	SBF	374.0	72"	14"	2"	3-3-6-6..	13	1"
29199	SBF	436.3	84"	14"	2"	3-3-6-6..	15	1"
710028	SBF	39.5	24"	8"	3/4"	3-6-6-6-3	4	3/4"
710034	SBF	49.5	30"	8"	3/4"	3-6-6-6..	5	3/4"
710036	SBF	52.8	32"	8"	3/4"	4-6-6-6..	5	3/4"
710040	SBF	142.0	36"	10"	1-1/4"	3-6-6-6..	6	1"
710044	SBF	189.0	40"	12"	1-1/2"	5-6-6-6..	6	1"
710046	SBF	198.5	42"	12"	1-1/2"	3-6-6-6..	7	1"
710052	SBF	226.8	48"	12"	1-1/2"	3-3-6-6..	9	1"
710053	SBF	226.8	48"	12"	1-1/2"	3-6-6-6..	8	1"
710058	SBF	255.1	54"	12"	1-1/2"	3-3-6-6..	10	1"
710059	SBF	255.1	54"	12"	1-1/2"	3-6-6-6..	9	1"
710064	SBF	283.5	60"	12"	1-1/2"	3-3-6-6..	11	1"
710066	SBF	293.2	62"	12"	1-1/2"	4-6-6-6..	10	1"
710070	SBF	311.0	66"	12"	1-1/2"	3-3-6-6..	12	1"
710076	SBF	339.3	72"	12"	1-1/2"	3-3-6-6..	13	1"
710077	SBF	395.5	72"	12"	1-1/2"	3-6-6-6..	12	1"
203X19X635DBFH6	DBF	39.3	25"	8"	3/4"	3.5-6-6-6-3.5	4	3/4"X2-1/2"
203X19X790DBFH6	DBF	48.7	31"	8"	3/4"	3.5-6-6-6..	5	3/4"X2-1/2"
203X19X840DBFH6	DBF	51.8	33"	8"	3/4"	4.5-6-6-6..	5	3/4"X2-1/2"
254X25X1065DBFH6	DBF	106.1	42"	10"	1"	6-6-6-6..	6	1"X3-1/4"
254X25X1115DBFH6	DBF	114.0	44"	10"	1"	4-6-6-6..	7	1"X3-1/4"
254X25X1270DBFH6	DBF	126.3	50"	10"	1"	4-6-6-6..	8	1"X3-1/4"

PART #	STYLE	WGHT (LBS)	LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
254X25X965DBFH6	DBF	96.1	38"	10"	1"	4-6-6-6..	6	1"X3-1/4"
305X29X1270DBFH6	DBF	181.5	50"	12"	1-1/8"	4-6-6-6..	8	1"X3-1/2"
330X25X1422DBFH6	DBF	190.74	56"	13"	1"	4-3-6-6..	10	1"X3-1/2"
330X25X1576DBFH6	DBF	211.2	62"	13"	1"	4-3-6-6..	11	1"X3-1/2"
330X25X1600DBFH6	DBF	213.5	63"	13"	1"	4.5-3-6-6..	11	1"X3-1/2"
330X25X1626DBFH6	DBF	215.6	64"	13"	1"	5-3-6-6-6..	11	1"X3-1/2"
406X25X1880DBFH6	DBF	308.0	74"	16"	1"	4-3-6-6-6..	13	1"X3-1/2"
406X25X1880DBFH8	DBF	311.0	74"	16"	1"	5-8-8-8..	9	1"X3-1/2"
406X29X1422DBFH6	DBF	198.5	56"	16"	1-1/8"	4-3-6-6..	10	1"X3-1/2"
406X29X1728DBFH6	DBF	237.8	68"	16"	1-1/8"	4-3-6-6..	12	1"X3-1/2"
406X29X2185DBFH6	DBF	299.7	86"	16"	1-1/8"	4-3-6-6..	15	1"X3-1/2"
406X35X1576DBFH6	DBF	364.1	62"	16"	1-3/8"	4-3-6-6..	11	1"X3-1/2"
406X35X1728DBFH6	DBF	399.2	68"	16"	1-3/8"	4-3-6-6..	12	1"X3-1/2"
406X35X1880DBFH6	DBF	434.5	74"	16"	1-3/8"	4-3-6-6..	13	1"X3-1/2"
406X35X2185DBFH6	DBF	504.9	86"	16"	1-3/8"	4-3-6-6..	15	1"X3-1/2"
JD49056C	DBF	114.4	23-7/8"	13"	7/8"	2.9375-6-6..	4	1"X3-1/2"
JD49056E	DBF	47.1	15-7/8"	13"	7/8"	4-3-6-2-7/8	3	1"X3-1/2"
JD59062C	DBF	87.6	30"	13"	7/8"	3-6-6-6..	5	1"X3-1/2"
JD59062E	DBF	47.1	15-7/8"	13"	7/8"	4-3-6-2-7/8	3	1"X3-1/2"
JD69062C	DBF	140.8	30"	16"	1-1/8"	3-6-6-6..	5	1"X3-1/2"
JD69062E	DBF	74.8	15-7/8"	16"	1-1/8"	4-3-6-2.875	3	1"X3-1/2"
JD69074C	DBF	106.1	42"	16"	1-1/8"	3-6-6-6..	7	1"X3-1/2"
JD69074E	DBF	74.8	15-7/8"	16"	1-1/8"	4-3-6-2.78	3	1"X3-1/2"
JD89268C	DBF	168.5	36"	16"	1-1/8"	3-6-6-6..	6	1"X3-1/2"
JD89274C	DBF	112.0	24"	16"	1-1/8"	4-8-8-4	3	1"X3-1/2"
JD89274E	DBF	115.7	24-7/8"	16"	1-1/8"	5-8-8-3-7/8	3	1"X3-1/2"



Stocked Bulk Material Cutting Edge Specifications

PART #	STYLE	WGHT (LBS)	MAX. LENGTH	WIDTH	THICKNESS	HOLE SPACING	# OF HOLES	BOLT SIZE
02CE-110X12SB	SBF	0.59 / IN	228"	4"	1/2"	N/A	N/A	N/A
02CE-150X16SB	SBF	0.99 / IN	228"	6"	5/8"	N/A	N/A	N/A
02CE-150X16DBH658	DBF	0.95 / IN	120"	6"	5/8"	3-6-6-6..	20	5/8"
02CE-150X16DBH6	DBF	0.95 / IN	120"	6"	5/8"	3-6-6-6..	20	3/4"
02CE-150X20SB	SBF	1.21 / IN	228"	6"	3/4"	N/A	N/A	N/A
02CE-200X20SB	SBF	1.65 / IN	228"	8"	3/4"	N/A	N/A	N/A
02CE-203X19DB	DBF	1.81 / IN	133"	8"	3/4"	N/A	N/A	N/A
02CE-203X19DBH6	DBF	1.69 / IN	120"	8"	3/4"	3-6-6-6..	20	3/4"
02CE-250X30SB	SBF	3.12 / IN	228"	10"	1-1/8"	N/A	N/A	N/A
02CE-254X25DB	DBF	2.60 / IN	133"	10"	1"	N/A	N/A	N/A
02CE-254X25DBH6	DBF	2.53 / IN	120"	10"	1"	3-6-6..	20	1"
02CE-300X35SB	SBF	4.15 / IN	228"	12"	1-3/8"	N/A	N/A	N/A
02CE-305X29DB	DBF	3.75 / IN	133"	12"	1-1/8"	N/A	N/A	N/A
02CE-305X29DBH6	DBF	3.62 / IN	120"	12"	1-1/8"	3-6-6-6..	20	1"
02CE-330X25DB	DBF	3.50 / IN	133"	13"	1"	N/A	N/A	N/A
02CE-330X25DBH6	DBF	3.39 / IN	120"	13"	1"	3-6-6-6..	20	1"
02CE-350X35SB	SBF	3.99 / IN	133"	14"	1-3/8"	N/A	N/A	N/A
02CE-406X29DB	DBF	3.75 / IN	133"	16"	1-1/8"	N/A	N/A	N/A
02CE-406X29DBH6	DBF	3.62 / IN	120"	16"	1-1/8"	3-6-6-6..	20	1"
02CE-406X29DBH8	DBF	3.68 / IN	120"	16"	1-1/8"	4-8-8-8..	15	1"
02CE-406X41DB	DBF	7.15 / IN	133"	16"	1-5/8"	N/A	N/A	N/A
02CE-406X41DBH6	DBF	6.85 / IN	120"	16"	1-5/8"	3-6-6-6..	20	1"

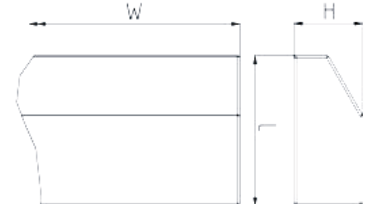
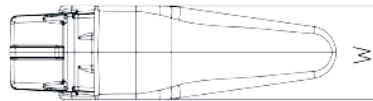
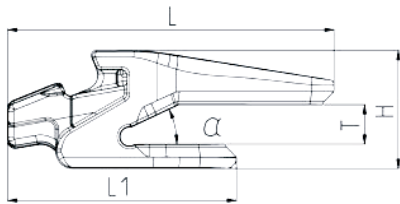


Combi Bucket Teeth Specifications

PART #	CODE	TYPE	SERIES	WGHT (KGS)	L (MM)	W (MM)	H1 (MM)	H (MM)	W1 (MM)	PIN
MINIT7	17117	T7 - TIGER	MINI	0.6	135	55	37	50	3	17306
MINT29	17129	T29 - GP	MINI	0.7	130	53	44	50	47	17306
MIDIT7	18117	T7 - TIGER	MIDI	0.9	149	64	40	60	5	17306
MIDIT29	18129	T29 - GP	MIDI	1.1	149	62	51.5	60	56	17306
C0T1	10111	T1 - ABRASION	C0	1.8	168	71	57	70	50	10306
C0T29	10129	T29 - GP	C0	1.8	177	73	58	70	63	10306
C1T1	11111	T1 - ABRASION	C1	2.5	187	77	65	86	57	11306
C1T3	11113	T3 - WIDE ABRS.	C1	2.9	187	77	65	86	80	11306
C1T5	11115	T5 - STD	C1	3.1	206	82	45	86	80	11306
C1T6	11116	T6 - CLEAN UP	C1	6.2	185	80	50	250		11306
C1T29	11129	T29 - GP	C1	2.6	190	83	68	90	85	11306
C1T35	11135	T35 - EXCAVT.	C1	2.7	205	84	48	90	77	11306
C2T1	12111	T1 - ABRASION	C2	4.7	230	89	73	100	76	12306
C2T3	12113	T3 - WIDE ABRS.	C2	5.5	230	89	77	100	104	12306
C2T5	12115	T5 - STD	C2	3.9	213	93	49	100	93	12306
C2T6	12116	T6 - CLEAN UP	C2	8.5	188	90	48	315		12306
C2T7	12117	T7 - TIGER	C2	3.0	223	85	50	100		12306
C2T25	12125	T25 - TWIN TIGER	C2	3.6	220	97	48	100	98	12306
C2T29	12129	T29 - GP	C2	3.8	225	92	80	100	95	12306
C2T35	12135	T35 - EXCAVT.	C2	3.4	220	98	67	100	86	12306
C2T45	12145	T45 - SPADE	C2	4.1	222	98	67	100	140	12306
C3T1	13111	T1 - ABRASION	C3	7.4	265	119	94	124	86	13306
C3T3	13113	T3 - WIDE ABRS.	C3	8.7	267	119	94	124	115	13306
C3T5	13115	T5 - STD	C3	6.8	263	125	63	124	105	13306
C3T6	13116	T6 - CLEAN UP	C3	11.0	223	102	66	330		13306

PART #	CODE	TYPE	SERIES	WGHT (KGS)	L (MM)	W (MM)	H1 (MM)	H (MM)	W1 (MM)	PIN
C3T7	13117	T7 - TIGER	C3	5.2	273	103	64	124		13306
C3T25	13125	T25 - TWIN TIGER	C3	6.5	263	125	62	124	130	13306
C3T29	13129	T29 - GP	C3	6.9	263	114	98	124	115	13306
C3T35	13135	T35 - EXCAVT.	C3	6.2	263	121	84	124	104	13306
C3T45	13145	T45 - SPADE	C3	7.4	263	121	69	124	175	13306
C3T48	13148	T48 - PENT LOAD	C3	9.5	270	119	111	124	112	13306
C3T58	13158	T58 - PENT EXC.	C3	8.3	273	119	86	124	106	13306
C35T7	135117	T7 - TIGER	C3.5	8.6	310	135	89	140		135306
C35T25	135125	T25 - TWIN TIGER	C3.5	10.5	310	137	89	140	148	135306
C35T29	135129	T29 - GP	C3.5	10.6	304	130	113	138	121	135306
C35T35	135135	T35 - EXCAVT.	C3.5	9.6	304	136	96	138	118	135306
C35T45	135145	T45 - SPADE	C3.5	11.9	308	136	96	138	202	135306
C35T48	135148	T48 - PENT LOAD	C3.5	14.7	313	136	128	141	129	135306
C35T50	135150	T50 - STD EXC.	C3.5	10.7	305	136	97	138	119	135306
C35T58	135158	T58 - PENT EXC.	C3.5	12.8	314	137	98	141	122	135306
C4T1	14111	T1 - ABRASION	C4	12.4	294	139	120	153	85	14306
C4T3	14113	T3 - WIDE ABR.	C4	14.3	294	137	120	153	140	14306
C4T5	14115	T5 - STD	C4	14.0	336	153	79	153	135	14306
C4T7	14117	T7 - TIGER	C4	9.7	346	133	81	153		14306
C4T25	14125	T25 - TWIN TIGER	C4	15.0	346	153	79	153	160	14306
C4T29	14129	T29 - GP	C4	13.8	330	141	118	153	143	14306
C4T35	14135	T35 - EXCAVT.	C4	13.2	330	154	98	153	132	14306
C4T45	14145	T45 - SPADE	C4	16.2	338	154	98	153	222	14306
C4T48	14148	T48 - PENT LOAD	C4	19.8	314	152	140	154	138	14306
C4T58	14158	T58 - PENT EXC.	C4	17.1	341	150	109	154	130	14306
C5T5	15115	T5 - STD	C5	22.6	375	178	108	165	150	15306
C5T7	15117	T7 - TIGER	C5	18.6	395	182	113	165		15306
C5T25	15125	T25 - TWIN TIGER	C5	22.5	395	176	113	165	175	15306
C5T29	15129	T29 - GP	C5	19.6	375	167	149	165	145	15306
C5T35	15135	T35 - EXCAVT.	C5	18.4	385	181	123	167	143	15306
C5T45	15145	T45 - SPADE	C5	23.5	380	181	124	165	245	15306
C5T48	15148	T48 - PENT LOAD	C5	27.8	380	175	162	167	150	15306

PART #	CODE	TYPE	SERIES	WGHT (KGS)	L (MM)	W (MM)	H1 (MM)	H (MM)	W1 (MM)	PIN
C5T50	15150	T50 - STD EXC.	C5	20.2	380	181	125	163	142	15306
C5T58	15158	T58 - PENT EXC.	C5	23.6	385	175	126	167	143	15306
C6T5	16115	T5 - STD	C6	38.0	490	228	157	200	160	16306
C6T29	16129	T29 - GP	C6	39.3	480	217	192	200	200	16306
C6T35	16135	T35 - EXCAVT.	C6	35.6	490	225	158	200	185	16306
C6T58	16158	T58 - PENT EXC.	C6	49.2	505	230	164	206	175	16306



Combi Adapters & Shrouds Specifications

PART #	CODE	TYPE	SERIES	WGHT (KGS)	T (MM)	C (DEG)	L (MM)	L1 (MM)	H (MM)	W (MM)	G (MM)
MINIA1	17001	A1 - FLUSHMONT	MINI	1.0	16-20	25	165		52	36	N/A
MINIA8	17015	A8EB - 1-1/4 LEG	MINI	0.8	16-20	25	143	85	52	36	N/A
MIDIA1	18001	A1 - FLUSHMONT	MIDI	1.8	16-20	25	187		61	46	N/A
MIDIA8	18015	A8EB - 1-1/4 LEG	MIDI	1.5	16-20	25	167	99	61	46	N/A
C0A1	10001	A1 - FLUSHMONT	C0	2.8	16-25	25	218		70	54	N/A
C1A1	11001	A1 - FLUSHMONT	C1	3.8	20-30	25	240		75	60	N/A
C1A8E	11002	A8EB - 1-1/4 LEG	C1	3.3	25	25	225		82	60	N/A
C2A1	12001	A1 - FLUSHMONT	C2	5.2	25-30	25	270		80	67	N/A
C2A5	12002	A5 - MECHAN.	C2	6.5	30	90	270		96	67	90
C2A8E	12007	A8EB - 1-1/2 LEG	C2	4.6	25	25	240	170	88	67	N/A
C2A8E2	12008	A8EB - 1-1/2 LEG	C2	4.6	30	25	240	170	88	67	N/A
C2A8L	12012	A8EL - 1-1/2 LEG	C2	4.5	30	25	257	152	85	67	N/A
C2BA	12052	BA - BOLT-ON	C2	7.4	30	25	295		95	67	N/A
C2BA2	12053	BA - BOLT-ON	C2	8.6	35	25	342		100	80	N/A
C2BACR	12060	BAC - CORNER	C2	11.8	30-35		283		176	77.5	28
C2BACL	12061	BAC - CORNER	C2	11.8	30-35		283		176	77.5	28

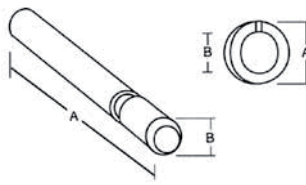
PART #	CODE	TYPE	SERIES	WGHT (KGS)	T (MM)	C (DEG)	L (MM)	L1 (MM)	H (MM)	W (MM)	G (MM)
C3A1	13001	A1 - FLUSHMONT	C3	10.5	30-40	25	340		103	85	N/A
C3A5	13002	A5 - MECHAN.	C3	13.4	40	90	320		120	85	115
C3A8E	13007	A8EB - 1-1/2 LEG	C3	8.3	40	25	292	204	108	85	N/A
C3A8E2	13008	A8EB - 1-1/2 LEG	C3	8.6	35	25	292	204	108	85	N/A
C3A8L	13012	A8EL - 1-1/2 LEG	C3	9.7	40	25	300	200	110	85	N/A
C3A8L2	13013	A8EL - 1-1/2 LEG	C3	10.1	35	25	300	200	110	85	N/A
C3BA	13051	BA - BOLT-ON	C3	10.4	35	25	362		102	85	N/A
C3BA2	13051	BA - BOLT-ON	C3	16.2	40	25	366		126	105	N/A
C35A1	135001	A1 - FLUSHMONT	C3.5	14.6	40-50	25	385		114	100	N/A
C35A8E	135007	A8EB - 1-1/2 LEG	C3.5	14.1	40	25	360	250	125	100	N/A
C35A8E	135008	A8EB - 1-1/2 LEG	C3.5	14.5	50	25	360	260	125	100	N/A
C35A8L	135012	A8EL - 1-1/2 LEG	C3.5	14.5	40	25	351	245	126	100	N/A
C4A1	14001	A1 - FLUSHMONT	C4	17.7	50-65	25	430		126	108	N/A
C4A12	14011	A1 - FLUSHMONT	C4	17.7	40-55	25	430		126	108	N/A
C4A5	14002	A5 - MECHAN.	C4	25.4	50	90	405		149	108	140
C4A8E	14007	A8EB - 1-1/2 LEG	C4	18.4	65	25	405	271	139	108	N/A
C4A8E2	14008	A8EB - 1-1/2 LEG	C4	18.4	50	25	405	271	136	108	N/A
C4A8E3	14009	A8EB - 1-1/2 LEG	C4	18.4	40	25	405	271	136	108	N/A
C4A8L	14012	A8EL - 1-1/2 LEG	C4	18.0	40	25	380	235	136	108	N/A
C4A8L2	14013	A8EL - 1-1/2 LEG	C4	18.0	45	25	380	235	135	108	N/A
C4BA	14052	BA - BOLT-ON	C4	20.2	40	25	388		135	108	N/A
C4S1	14201	S1 - SHROUD	C4	46.2			120	55		950	
C4S4	14204	S4 - SEGMENT	C4	15.2		25	210	75	25	350	260
C5A1	15001	A1 - FLUSHMONT	C5	29.2	65-80	30	505		152	125	N/A
C5A8L	15006	A8EL - 1-1/2 LEG	C5	24.6	65	30	460	260	168	125	N/A
C5A8E	15007	A8EB - 1-1/2 LEG	C5	26.2	70	30	460	308	167	125	N/A
C5A8E2	15008	A8EB - 1-1/2 LEG	C5	26.0	75	30	460	308	167	125	N/A
C5A8E3	15009	A8EB - 1-1/2 LEG	C5	27.2	60	30	460	306	167	125	N/A
C5S4	15204	S4 - SEGMENT	C5	18.0		30	270		30	180	180
C5S41	15205	S4 - SEGMENT	C5	50.8		30	270		30	500	500
C6A8	16007	A8 - 1-1/2 LEG	C6	49.5	75	30	550	340	205	150	200
C6A81	16008	A8 - 1-1/2 LEG	C6	49.2	90	30	550	340	205	150	200

PART #	CODE	TYPE	SERIES	WGHT (KGS)	T (MM)	C (DEG)	L (MM)	L1 (MM)	H (MM)	W (MM)	G (MM)
C6A8C	16010	A8C - 1-1/2 LEG	C6	133	90		600		250	170	264
16204	16204	W/O SHROUD	C6	43.0		30	220		125	32	500
16207	16207	W/O SHROUD	C6	95.0		30	430		140	60	600
16205	16205	MECH SHROUD	C6	0.4			85		26		30
16206	16206	MECH SHROUD	C6	0.4			85		26		30



Combi Pin & Tool Specifications

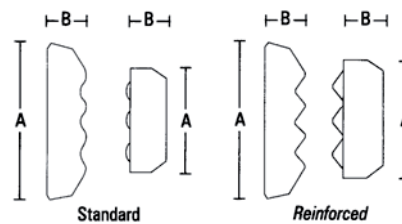
PART #	CODE	TYPE	SERIES	WGHT (KGS)	LENGTH (MM)	HEIGHT (MM)	WIDTH (MM)
CMINI	17306	C-LOCK	MINI	0.05	38	14	8.5
CMIDI	18306	C-LOCK	MIDI	0.05	38	14	8.5
TOOLM	17403	C-TOOL	MINI/MIDI	0.6	306	46	92
COLK	10306	C-LOCK	C0	0.08	58	18.6	9
C1LK	11306	C-LOCK	C1	0.10	66	18.6	9
TOOLC1	10403	C-TOOL	C0 / C1	0.7	308	60	102
C2LK	12306	C-LOCK	C2	0.12	74	29	13
C3LK	13306	C-LOCK	C3	0.15	92	32	13
TOOLC3	12403	C-TOOL	C2 / C3	0.9	311	60	145
C35LK	135306	C-LOCK	C3.5	0.20	107	33.5	13.5
C4LK	14306	C-LOCK	C4	0.25	114	35	14
C5LK	15306	C-LOCK	C5	0.30	132	37	16
TOOLC5	135403	C-TOOL	C3.5 / C4 / C5	1.0	311	60	172
C6LK	16306	C-LOCK	C6	0.4	85	26	30
TOOLC6	16403	C-TOOL	C6	2.4	312	100	262



PRO-TUFF Caterpillar Style Pins & Locks Specs.

PART #	ALTERNATE PART #	DESCRIPTION	FAMILY(S)	A	B
9W7112	1U4208	PIN	J200, RIPPER	2-5/16"	7/16"
8E6209	4T0001	SLEEVED LOCK	J200, RIPPER	13/16"	13/32"
4T0001	8E6209	STEEL LOCK	J200, RIPPER	3/4"	13/32"
6Y3228		PIN	J220	2-5/8"	9/16"
9J2258	8E6258	PIN	J200, RIPPER	3-1/8"	9/16"
9J2308	8E6308	PIN	J250, RIPPER	3-5/8"	9/16"
8E6259	3G9609	SLEEVED LOCK	J220, J250, J300, RIPPER	1-3/16"	17/32"
3G9609	8E6259	STEEL LOCK	J220, J250, J300, RIPPER	1-1/8"	17/32"
9J2358	9W2678, 8E6358	PIN	J350, RIPPER	4-1/4"	3/4"
1U1458	6Y2527	PIN	J450	5-1/4"	3/4"
8E6359	3G9549, 6Y9549	SLEEVED LOCK	J350, J450	1-3/4"	23/32"
3G9549	6Y9549, 8E6359	STEEL LOCK	J350	1-1/2"	23/32"
1U2405		STEEL LOCK	J350, RIPPER	1-13/16"	23/32"
7T3408		PIN	J400	4-5/8"	7/8"
8E8409	7T3409	SLEEVED LOCK	J400	1-1/2"	27/32"
7T3409	8E8409	STEEL LOCK	J400	1-9/16"	27/32"
8E0468		PIN	J460	5-1/4"	15/16"
8E8469	8E0469	SLEEVED LOCK	J460	1-15/16"	29/32"
8E0469	8E8469	STEEL LOCK	J460	1-11/16"	29/32"
1U1558	6Y8558	PIN	J550	6-3/8"	1"
8E5559	3G9559	SLEEVED LOCK	J550	2"	31/32"
3G9559	8E5559	STEEL LOCK	J550	1-3/4"	31/32"
6I6608		PIN	J600	7-5/8"	1-1/8"
6I6609		STEEL LOCK	J600	2-1/4"	1-5/32"
6Y3394		PIN	RIPPER	4-5/16"	1"
9J6583	9W2668	PIN	RIPPER	3-9/16"	3/4"

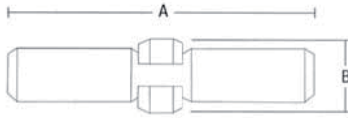
PART #	ALTERNATE PART #	DESCRIPTION	FAMILY(S)	A	B
6Y3909		PIN	RIPPER	5-5/8"	1-1/4"
4T4707		LOCK	RIPPER	2-1/2"	1-7/32"
6J8811		PIN W/SNAP RING	RIPPER	4-3/8"	1-1/4"
4T2479	7J9600	PIN W/SNAP RING	RIPPER	4-3/4"	1"
3G0500		PIN W/SNAP RING	RIPPER	6"	1-1/4"
6Y2443		PIN W/SNAP RING	RIPPER	6-1/8"	1-3/8"



PRO-TUFF ESCO Style Pins & Locks Specs.

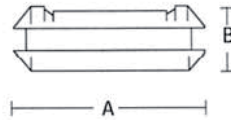
PART #	ALTERNATE PART #	DESCRIPTION	TOOTH SERIES	A	B
18/20PN	18PNP, 20PNP	STEEL PIN	18	2-1/32"	1/2"
18/20LK	18LKR, 20LKR	RUBBER LOCK	18	1-3/8"	9/16"
21LK	21LKS	HORSESHOE HELILOK	21		
22PN	22PNP	STEEL PIN	22	2-1/2"	9/16"
22LK	22LKR	RUBBER LOCK	22	1-1/2"	9/16"
25/30PN	25PNP, 30PNP	STEEL PIN	25 / 30	2-7/8"	3/4"
25/30LK	25LKR, 30LKR	RUBBER LOCK	25 / 30	1-1/2"	11/16"
25/30PNR	25PNPR, 30PNPR	REINFORCED STEEL PIN	25 / 30	2-7/8"	3/4"
25/30LKR	25LKRR, 30LKRR	REINFORCED RUBR LOCK	25 / 30	1-1/2"	11/16"
27LK	27LKS	HORSESHOE HELILOK	27		
27VKIT		Vertalok PIN/PLUG	27		
35PN	35PNP	STEEL PIN	35	3-1/4"	7/8"
35PNR	35PNPR	REINFORCED RUBR LOCK	35	3-1/4"	7/8"
37LK	37LKS	HORSESHOE HELILOK	37		
37VKIT		VERTALOK PIN/PLUG	37		

PART #	ALTERNATE PART #	DESCRIPTION	TOOTH SERIES	A	B
40PN	40PNP	STEEL PIN	40	3-5/8"	1-3/16"
40PNR	40PNPR	REINFORCED STEEL PIN	40	3-5/8"	1-3/16"
35/40LK	35LKR, 40LKR	RUBBER LOCK	35 / 40	1-15/16"	15/16"
35/40LKR	35LKRR, 40LKRR	REINFORCED RUBR LOCK	35 / 40	1-15/16"	15/16"
45PN	45PNP	STEEL PIN	45	4-1/16"	1-3/8"
45LK	45LKR	RUBBER LOCK	45	2-1/4"	1-5/16"
47LK	47LKS	HORSESHOE HELILOK	47		
47VKIT		VERTALOK PIN/PLUG	47		
50PN	50PNP	STEEL PIN	50	4-9/16"	1-1/2"
50LK	50LKR	RUBBER LOCK	50	2-3/8"	1-1/8"
55PN	55PNP	STEEL PIN	55	4-15/16"	1-9/16"
55LK	55LKR	RUBBER LOCK	55	2-9/16"	1-3/16"
57LK	57LKS	HORSESHOE HELILOK	57		
57VKIT		VERTALOK PIN/PLUG	57		
22RPG	22RPGP	STEEL RIPPER PIN	22 RIPPER	3-1/4"	1/2"
22RBG	22RBGB	RUBBER RIPPER BUSHING	22 RIPPER	2-7/32"	13/16"
25RPG	25RPGP	STEEL RIPPER PIN	25 RIPPER	3-11/16"	17/32"
25RBG	25RBGB	RUBBER RIPPER BUSHING	25 RIPPER	2-7/16"	13/16"
35RPG	35RPGP	STEEL RIPPER PIN	35 RIPPER	4-3/4"	17/32"
35RBG	35RBGB	RUBBER RIPPER PIN	35 RIPPER	3-3/16"	13/16"
39RPG	39RPGP	STEEL RIPPER PIN	39 RIPPER	5-1/4"	1/2"
39RBG	39RBGB	RUBBER RIPPER PIN	39 RIPPER	3-1/2"	13/16"



PRO-TUFF Komatsu Style Pins Specifications

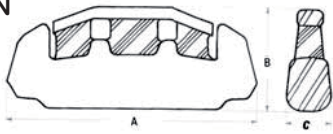
PART #	DESCRIPTION	A	B
092-44-02496	STEEL PIN W/SNAP RING	3-25/32"	31/32"
092-44-03036	STEEL PIN W/SNAP RING	5-3/8"	1-5/32"
175-78-21740	STEEL PIN W/SNAP RING	4-5/8"	31/32"
175-78-21810	STEEL PIN W/SNAP RING	4-3/4"	1"
20X-70-00150	STEEL PIN W/SNAP RING	2-3/4"	3/4"



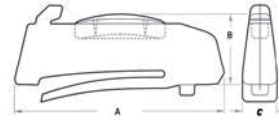
PRO-TUFF H&L Style Flex Pins Specifications

PART #	ALTERNATE PART #	DESCRIPTION	TOOTH SERIES	A	B
23P	23FP	FLEX PIN	23	2-1/8"	23/32"
23PEX	TF23P	EXTRA LONG FLEX PIN	23	2-1/2"	23/32"
23P4T	23PB	4-TAB FLEX PIN	23	2-1/8"	25/32"
24P	24FP	FLEX PIN	24	2-9/32"	27/32"
25P	25FP	FLEX PIN	25	2-27/32"	27/32"
27P	27FP	FLEX PIN	27	3"	29/32"
18P	18FP	RIPPER FLEX PIN	18 RIPPER	3-1/2"	1-5/32"
21P	21/22P	RIPPER FLEX PIN	21 RIPPER	2"	13/16"
22P	21/22P	RIPPER FLEX PIN	22 RIPPER	2"	13/16"
36P	36FP	RIPPER FLEX PIN	36 RIPPER	4-3/8"	1-5/16"
38P	38FP	RIPPER FLEX PIN	38 RIPPER	5-1/8"	1-13/16"

FLEX PIN



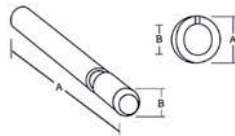
ROLL PIN



STEEL PIN

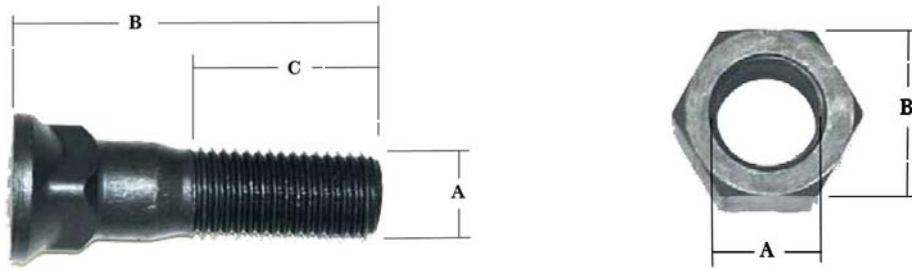
PRO-TUFF Hensley Style Pins Specifications

PART #	DESCRIPTION	A	B	C
P100	STEEL COIL PIN	2"	3/8"	
P156	STEEL SPLIT ROLL PIN	2"	3/8"	
P160	STEEL COIL ROLL PIN	3"	1/2"	
K290S	STEEL PIN	3-5/32"	1-1/16"	17/32"
P290	FLEX PIN	3-1/16"	1-1/4"	9/16"
P295	STEEL PIN W/SNAP RING	3-5/8"	3/4"	
K330S	STEEL PIN	3-3/4"	1-3/8"	9/16"
P330	FLEX PIN	3-1/2"	1-5/8"	9/16"
P335	FLEX PIN	4-1/4"	7/8"	
K370S	STEEL PIN	4-3/8"	1-21/32"	13/16"
P370	FLEX PIN	4-5/16"	1-29/32"	13/16"
P385	FLEX PIN	4-1/2"	2"	13/16"
P400HD	FLEX PIN	3-9/16"	1-19/32"	1/2"
K410S	STEEL PIN	4-9/16"	1-27/32"	27/32"
P410	FLEX PIN	4-19/32"	1-29/32"	27/32"
P435	FLEX PIN	4-1/2"	2-1/8"	27/32"
P475	FLEX PIN	4-3/4"	1-15/16"	3/4"



PRO-TUFF Hyundai Style Pins & Locks Specs.

PART #	DESCRIPTION	FAMILY(S)	A	B
P235P	PIN	E262	4-1/4"	3/4"
P235W	LOCK	E262	1-21/32"	1-21/32"



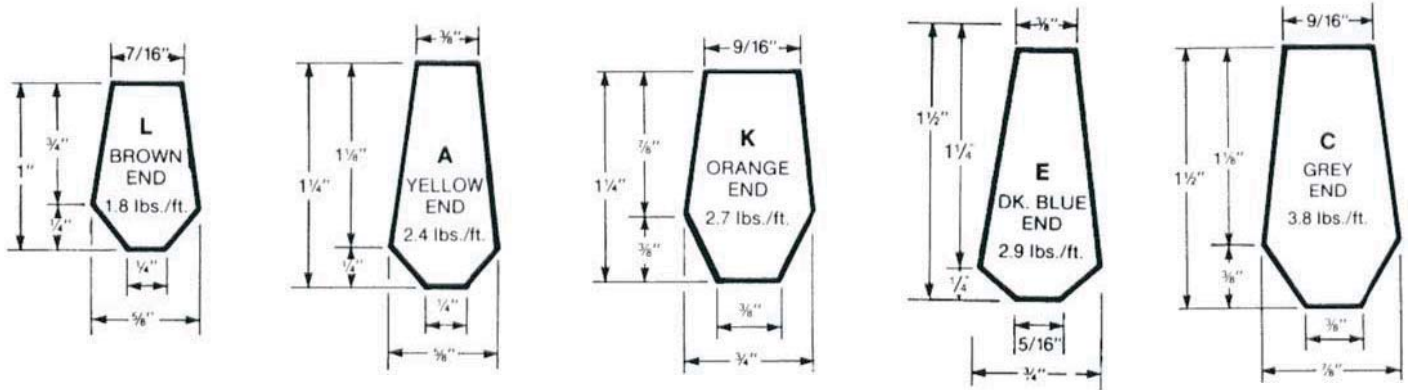
Grade 8 Plow Bolts, Nuts & Washer Specifications

PART #	DESCRIPTION	A	B	C
16N	1/2" NUT	1/2"	3/4"	
16WF	1/2" FLAT WASHER	1/2"	1"	
16WL	1/2" LOCK WASHER	1/2"	7/8"	
16X200	1/2" X 2" PLOW BOLT	1/2"	2"	1-1/2"
16X250	1/2" X 2-1/2" PLOW BOLT	1/2"	2-1/2"	1-1/2"
20N	5/8" NUT	5/8"	7/8"	
20WF	5/8" FLAT WASHER	5/8"	1-1/4"	
20WL	5/8" LOCK WASHER	5/8"	1"	
20X200	5/8" X 2" PLOW BOLT	5/8"	2"	1-3/8"
20X225	5/8" X 2-1/4" PLOW BOLT	5/8"	2-1/4"	1-5/8"
20X250	5/8" X 2-1/2" PLOW BOLT	5/8"	2-1/2"	1-5/8"
20X275	5/8" X 2-3/4" PLOW BOLT	5/8"	2-3/4"	1-1/2"
20X300	5/8" X 3" PLOW BOLT	5/8"	3"	1-1/2"
20X350	5/8" X 3-1/2" PLOW BOLT	5/8"	3-1/2"	1-5/8"
20X400	5/8" X 4" PLOW BOLT	5/8"	4"	1-3/4"
24N	3/4" NUT	3/4"	1-1/8"	
24WF	3/4" FLAT WASHER	3/4"	1-3/8"	
24WL	3/4" LOCK WASHER	3/4"	1-1/4"	
24X20X225	3/4" HEAD X 5/8" SHAFT X 2-1/4" REDUCER BOLT	3/4"	2-1/4"	1-1/4"
24X225	3/4" X 2-1/4" PLOW BOLT	3/4"	2-1/4"	1-1/2"
24X250	3/4" X 2-1/2" PLOW BOLT	3/4"	2-1/2"	1-3/4"
24X275	3/4" X 2-3/4" PLOW BOLT	3/4"	2-3/4"	1-3/4"
24X300	3/4" X 3" PLOW BOLT	3/4"	3"	2"

PART #	DESCRIPTION	A	B	C
24X350	3/4" X 3-1/2" PLOW BOLT	3/4"	3-1/2"	1-7/8"
24X375	3/4" X 3-3/4" PLOW BOLT	3/4"	3-3/4"	1-7/8"
24X400	3/4" X 4" PLOW BOLT	3/4"	4"	1-7/8"
28N	7/8" NUT	7/8"	1-1/4"	
28WF	7/8" FLAT WASHER	7/8"	1-3/4"	
28WL	7/8" LOCK WASHER	7/8"	1-1/2"	
28X275	7/8"X2-3/4" PLOW BOLT	7/8"	2-3/4"	1-3/8"
28X300	7/8" X 3" PLOW BOLT	7/8"	3"	1-5/8"
28X350	7/8" X 3-1/2" PLOW BOLT	7/8"	3-1/2"	2-1/4"
28X400	7/8" X 4" PLOW BOLT	7/8"	4"	2-1/8"
28X425	7/8" X 4-1/4" PLOW BOLT	7/8"	4-1/4"	1-3/4"
28X450	7/8" X 4-1/2" PLOW BOLT	7/8"	4-1/2"	2-1/8"
32N	1" NUT	1"	1-1/2"	
32WF	1" FLAT WASHER	1"	2"	
32WL	1" LOCK WASHER	1"	1-5/8"	
32X300	1" X 3" PLOW BOLT	1"	3"	2-1/4"
32X325	1" X 3-1/4" PLOW BOLT	1"	3-1/4"	1-1/2"
32X350	1" X 3-1/2"	1"	3-1/2"	2-3/8"
32X375	1" X 3-3/4"	1"	3-3/4"	2-3/8"
32X400	1" X 4"	1"	4"	2-3/8"
32X450	1" X 4-1/2"	1"	4-1/2"	2-3/8"
40N	1-1/4" NUT	1-1/4"	1-7/8"	
40WF	1-1/4" FLAT WASHER	1-1/4"	2-1/2"	
40WL	1-1/4" LOCK WASHER	1-1/4"	2"	
40X400	1-1/4" X4-1/8" PLOW BOLT	1-1/4"	4	2"
40X450	1-1/4"X4-1/2" PLOW BOLT	1-1/4"	4-1/2"	2-3/8"
40X500	1-1/4" X 5" PLOW BOLT	1-1/4"	5"	1-1/2"

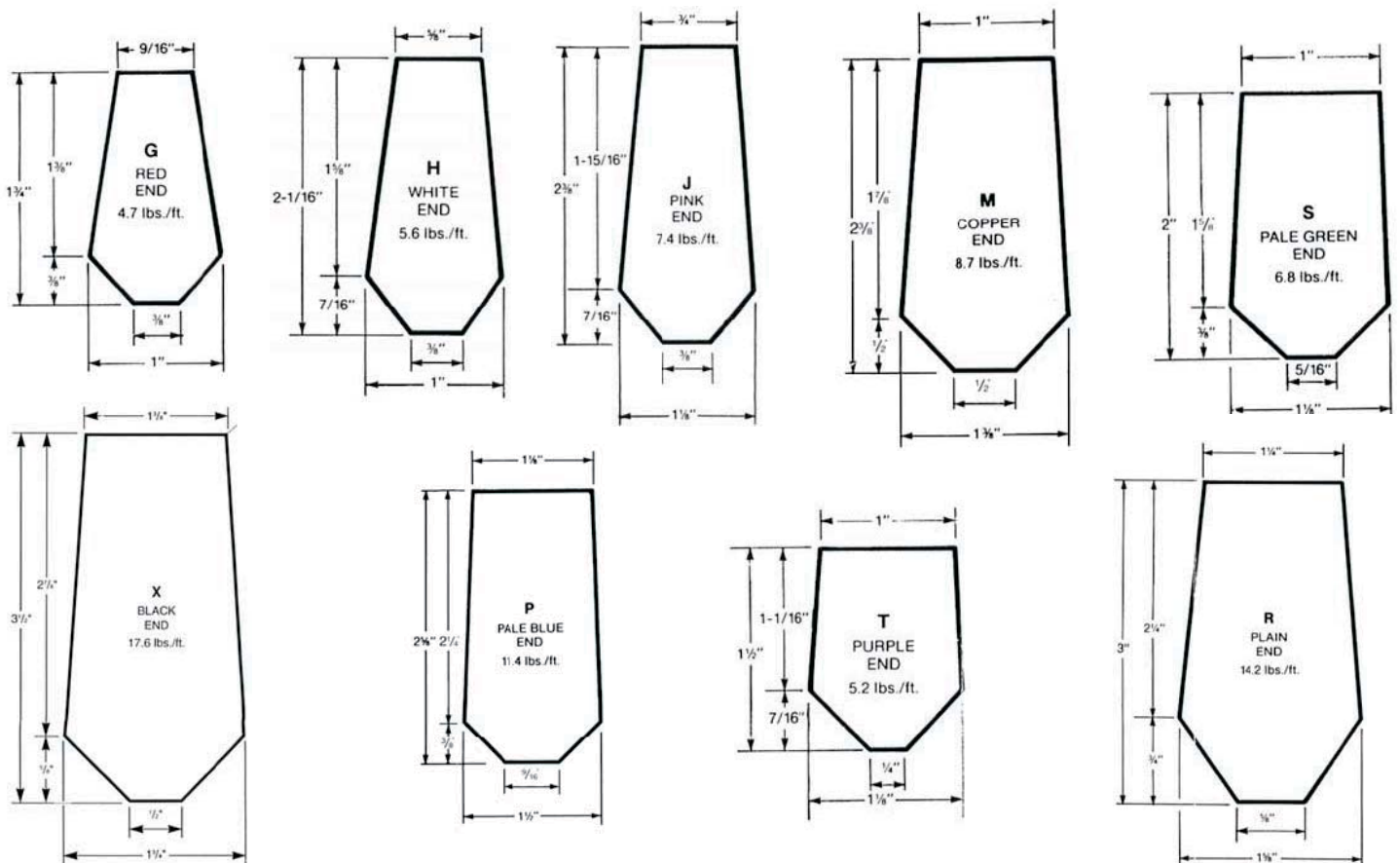
BUTLER PREMIUM GROUSER RETREAD BAR

STANDARD GROUSER BAR



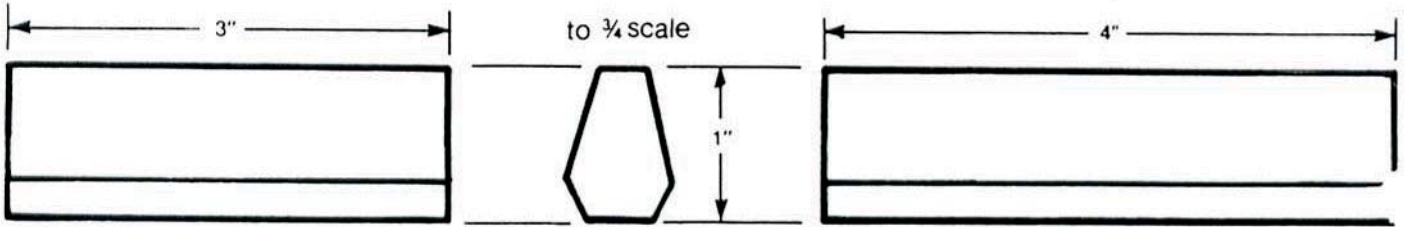
ALL SIZES AVAILABLE IN 10 FOOT LENGTHS - HIGH QUALITY - WORK HARDENING - STEEL

HEAT TREATED GROUSER BAR



- All sizes available in 10 foot lengths - Carbon Boron Steel facilitates ice-lug weldability
 - Heat Treated to a hardness of 42-44 Rockwell to deliver OPTIMUM wear, PERFORMANCE, and TOUGHNESS for extreme weather and working conditions.

STANDARD ICE LUGS



- Available from stock in 3" and 4" Lengths in TYPE-L (Brown), TYPE-K (Orange), TYPE-E (Dark Blue) and TYPE-C (Grey)
 - Other Lengths and Types available on request.

GROUSER BAR QUANTITY CHART

- CHART FIGURES INDICATE MINIMUM NUMBER OF 10 FOOT LENGTHS OF GROUSER RETREAD BAR REQUIRED

		NUMBER OF PADS PER TRACTOR												
		66	68	70	72	74	76	78	80	82	84	90	92	94
TRACTOR PAD WIDTH	36"	22	23	24	24	25	26	26	27	28	28	30	31	32
	30"	17	17	18	18	19	19	20	20	21	21	23	23	24
	28"	17	17	18	18	19	19	20	20	21	21	23	23	24
	27"	17	17	18	18	19	19	20	20	21	21	23	23	24
	26"	17	17	18	18	19	19	20	20	21	21	23	23	24
	24"	14	14	14	15	15	16	16	16	17	17	18	19	19
	22"	14	14	14	15	15	16	16	16	17	17	18	19	19
	20"	11	12	12	13	13	13	13	14	14	14	15	16	16
18"	11	12	12	13	13	13	13	14	14	14	15	16	16	

SUGGESTED SIZE SELECTION CHARTS

CATERPILLAR

TRACTOR MODEL	SUGG. SIZE
D2, D3, D4, 931, 933, 941, 955	L
D6C, D7, 571A, 572, 977	L, K, A, E
D8L, D9, D9G, D9H	T, H, S, J, M
D10L, D11	R, X, P

TRACTOR MODEL	SUGG. SIZE
D5, D6, 561, 951, 955K & L, 977	A, E
D8H, K, N, R 583, 983	C, G, H
D9L, D9N, D10N	P, S, M

INTERNATIONAL

TRACTOR MODEL	SUGG. SIZE
TD6, 7, 8, 9 100, 125, 150	L
TD24, TD25, TD30, TD40	T, C, G, H, S, J, M, P

TRACTOR MODEL	SUGG. SIZE
TD14, TD15, TD18, TD20, 175, 250	L, K, A, E

CASE

TRACTOR MODEL	SUGG. SIZE
310, 350, 420B, 450, 520	L

TRACTOR MODEL	SUGG. SIZE
600, 750, 800, 850, 1000, 1150, 1550	K, A, E

JOHN DEERE

TRACTOR MODEL	SUGG. SIZE
350, 350B, 420, 430, 440, 1010, 2010	L

TRACTOR MODEL	SUGG. SIZE
450, 450B, 555, 850	K, A, E

KOMATSU

TRACTOR MODEL	SUGG. SIZE
D41, D50, D53, D55, D58, D63	L, A
D135, D155, D155AX	G, H, S, T
D375A-2	M, P

TRACTOR MODEL	SUGG. SIZE
D60, D65, D68, D75, D80, D83, D85	K, E
D275, D355, D375A-1	J, M, P
D475A-2	R, X

TEREX

TRACTOR MODEL	SUGG. SIZE
C6, 8230, 8240	L, K, A, E
8250	T, H, S, J, M

TRACTOR MODEL	SUGG. SIZE
TC12, 8280	C, G, H

ALLIS-CHALMERS

TRACTOR MODEL	SUGG. SIZE
HD3, HD4, HD6, HD7G	L, A, E
HD15, HD16, HD16B, HD16DP	K, E
HD41, HD41B	T, S, M, P, R

TRACTOR MODEL	SUGG. SIZE
HD9, HD11, HD11B, HD11EP	A, E
HD19, HD20, HD21, HD21B	E, K, T, C, G, H, S, L

GROUSER BAR WELDING PROCEDURE

1. (A) Pads and bars must be clean and free from moisture at all times.
(B) Rods must be used immediately when taken from moisture-protecting package.
2. (A) Dress old Grouser back to one inch with oxy-acetylene cutting process - resulting in a straight, smooth edge. Clean cut surface of oxide and slag. Cut Grouser 1" shorter than pad.
(B) On bars with weld preparation ends of 1/4", fit bar with 3/32" root gap 1/2" from end of pad.
On bars with weld preparation ends of 5/16" - 3/8", fit bar with 1/8" root gap 1/2" from ends of pads
3. (A) Tack bar on pad at both ends and center (one side only) with E7016-E7018 electrode using medium to high side of recommended amperage settings. Tacks must be minimum of 2" long and flat surface to assist in cleaning. Apply tacks with a large deposit using high heat and a slow rate of travel.
4. (A) The backstep welding technique should be utilized using a slow rate of travel, large electrodes and high heat. The first pass should be on the opposite of the tacks. Start in the middle of the bar and weld out to the end. Starting at the opposite end, weld to the start of the first deposit. Repeat this procedure for the tacked side of the bar. (On the larger bars this procedure may have to be done twice.) Always clean start of first pass before joining with second pass. If a multi-layer deposit is required, do not clean slag off lower layer until immediately before next deposit. Root passes must be flat on face and fairly heavy. Finish pass contour should be slightly convex. No undercut is allowed on tacks or passes. All craters at the ends of welds should be filled. (B) Bar ends should be cleaned and corked with fillet weld using E7018 rod.
5. (A) Avoid quenching or rapid cooling of welds (i.e. Water, mud, snow, etc.).
NOTE: To completely ensure a proper welding procedure, preheat (500 Deg) prior to welding should be preformed. However, this method is impractical and is rarely used.

SUGGESTED PROCEDURE FOR ICE LUGGING

1. CONSIDERATIONS BEFORE STARTING

- A) Chose a pattern for placing lugs on pads, that gives the maximum grip with the minimum number of lugs.
- B) Select a size of lug that gives the minimum amount of distance from the pad face to the top of the lug and still grips adequately. Choose as long of a lug as possible.
- C) There must be no arc strikes on the finished pad as this may cause breaking in the pad. If they do occur, thoroughly grind the area to remove the arc damage.
- D) The principle of high heat input and slow cooling will provide optimum weld performance.

2. REQUIREMENTS

- A) Clean dry pads - hand warm if possible. (If re-grousered best to apply lugs as re-grouser and pads are still hot).
- B) 3/16" E7018 electrodes either from fresh container or holding ovens @ 250 Degrees F. (Keep electrodes hot).
- C) Ice lug to be welding on pad in horizontal position.

3. PROCEDURE

- A) Select 3/32" or 1/8" electrode size for the job.
- B) Place lug on grouser in such position that the ends of the ice lug do not line up with rail excess in back of the pad.
- C) To position ice lug on the grouser, place tacks in the middle of the lug at 1/2" in from each end of the lug with a gap of 1/8" left after tacking. (Tacks must cover their own arc strikes) Clean slag from tacks.
- D) To start fill pass, strike arc on the tack closest to the outside edge of pad. Then move the bead out to the edge of the ice lug only, without breaking the arc, allow time for weld deposit to completely fill groove then return over bead and tack to the other edge of the ice lug, again allowing time for crater to fill in, then return bead back 1". (Make sure no craters are left on ends of welds.) Complete weld with one stop and start if possible.
- E) Allow to cool slowly, do not allow weld to be quenched with water or snow.

The method described above is a practical solution to help reduce the breakage problems encountered in ice lugging. It is not a guaranteed procedure. To fully ensure successful ice lugging, preheating of the grouser bar to 200 Degrees F. is necessary.

Track Shovel Specifications



PART #	DESCRIPTION	WEIGHT / PC (LBS)	OVERALL LENGTH
80SH-TRKHBDH	D-HANDLE TRACK SHOVEL	3.90	25.5"
80SH-TRKHBLH1	STRAIGHT (LONG) HANDLE- TRACK SHOVEL	4.02	38.0"

Procraft Bucket Hook Specifications



PART #	CAPACITY	WGHT / PC (lbs)	LENGTH	HEIGHT	WIDTH	OPEN
71WOH-010	1 TON	1.0	3-1/2"	3"	15/16"	1"
71WOH-030	3 TON	2.76	5"	4-1/4"	1-3/8"	1-1/4"
71WOH-050	5 TON	5.18	6-3/8"	4-5/8"	1-3/4"	1-1/4"
71WOH-080	8 TON	8.00	6-3/4"	5-1/2"	1-7/8"	1-3/4"

Gunnebo Bucket Hook Specifications



PART #	CAPACITY	WGHT / PC (lbs)	LENGTH	HEIGHT	WIDTH	OPEN
UKN03	3 TON	2.9	5.2	4.1	1.4	1.1
UKN04	4 TON	4.2	5.5	4.4	1.7	1.1
UKN05	5 TON	6.2	6.5	5.1	1.8	1.3
UKN08	8 TON	8.2	6.8	5.2	2.0	1.3
UKN10	10 TON	13.9	8.7	6.6	2.2	1.9



DATE: _____

CUTTING EDGE WORKSHEET

Customer Name: _____

Blade Thickness: _____

Customer Address: _____

Number of Bolt Holes: _____

Size of Bolt Hole: _____ Size of Bolt: _____

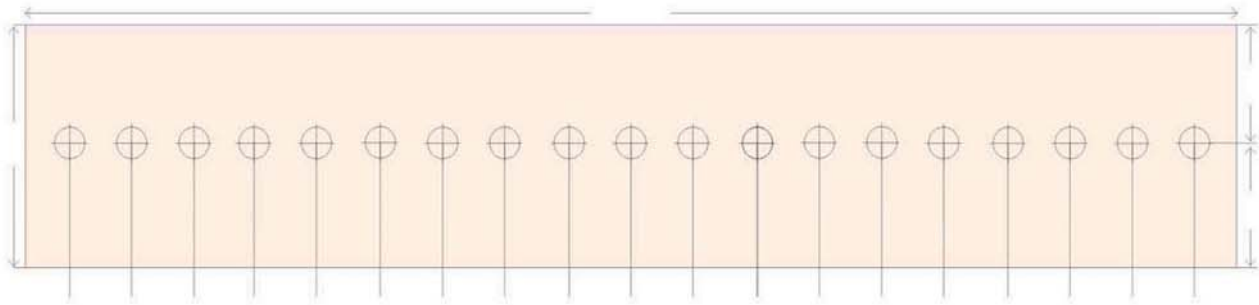
Machine Make: _____ Model: _____

Type of Hole: Round / Square / Square Countersunk / None

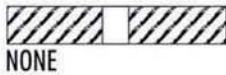
OEM Part Number: _____

Type of Blade: Base Edge / Cutting Edge

PLEASE FILL IN ALL DIMENSIONS BELOW



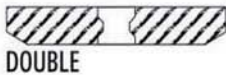
TYPE OF COUNTERSINK (Circle type required)



NONE



STANDARD



DOUBLE



REVERSE

TYPE OF SECTION (Circle type required)



SQUARE EDGE FLAT



DOUBLE BEVEL FLAT



PARALLEL BEVEL FLAT



SINGLE BEVEL FLAT



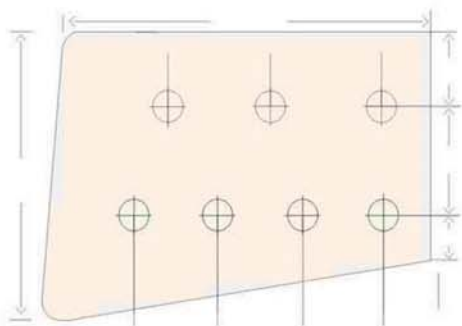
DOUBLE BEVEL CURVED



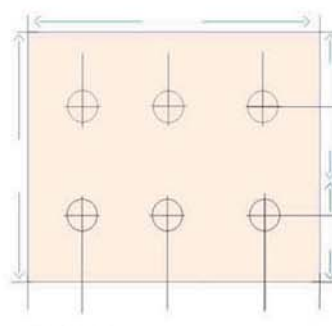
HALF ARROW FLAT

CORNER BITS FOR LOADERS & BULLDOZERS

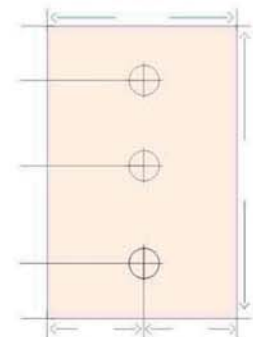
Material Thickness: _____ Number of Bolt Holes: _____ Size of Bolt Hole: _____ Size of Bolt: _____



HOT CUPPED



LEVEL CUT



LOADER CORNER

Other Important Information: _____



Bluejay Industrial, Inc.

Locations:

Pacific Northwest

756 West Buckles Avenue
Hayden, Idaho 83835
Phone: 208-635-5517
Fax: 208-635-5519
Toll Free: 1-877-998-0808
info@bluejayindustrial.us



WWW.BLUEJAYINDUSTRIAL.US