



# CUTTING EDGES & END BITS

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**Bolt-on & Weld-in Cutting Edges for  
Buckets & Blades**



**0800 654 323** | **[www.west-trak.co.nz](http://www.west-trak.co.nz)**

# CUTTING EDGE RANGE

**A FULL RANGE OF BOLT-ON AND WELD-IN CUTTING EDGES ARE AVAILABLE FOR ALL MAKES AND MODELS OF EXCAVATORS, LOADERS, DOZERS, SCRAPERS, GRADERS, COMPACTORS AND OTHER EARTHMOVING MACHINES**

## CUTTING EDGE PROFILES

Single Bevel, Half Arrow and Double Bevel Cutting Edge profiles are available to suit all types of buckets and blades.

**Pg. 3**

**DOUBLE BEVEL FLAT**

**SINGLE BEVEL FLAT**

**HALF ARROW**

## EXCAVATOR EDGES

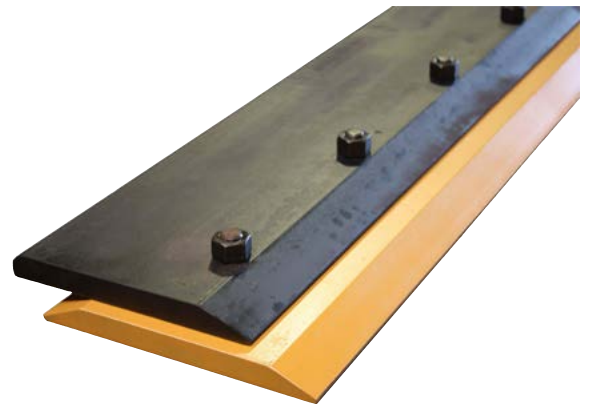
Customised weld-in and bolt-on Cutting Edges are available to suit all makes and models of Excavator buckets.

**Pg. 7**

## LOADER EDGES

A full range of bolt on, reversible Cutting Edges, End Bits and Heel Plates are available to suit all makes and models of wheel Loaders.

**Pg. 11**

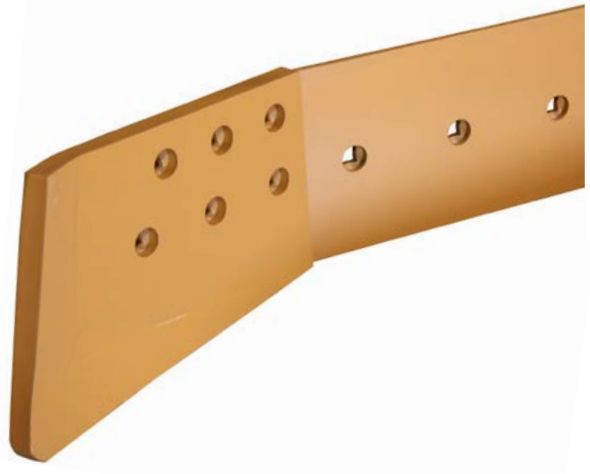


# CUTTING EDGE RANGE

## DOZER EDGES

A full range of bolt-on reversible Cutting Edges and End Bits are available to suit all makes and models of Dozers.

Pg. 17



## SCRAPER EDGES

A full range of bolt-on, reversible Cutting Edges, Routers and other wear parts are available to suit all makes and models of Scrapers and Scoops.

Pg. 20



## GRADER EDGES

A full range of bolt-on Cutting Edges and End Bits are available to suit all makes and models of Graders and Snowplows.

Pg. 24



## HARDWARE

A full range of hardened Plow Bolts, Nuts and Washers are available from 1/2" to 1.3/8" size

Pg. 30





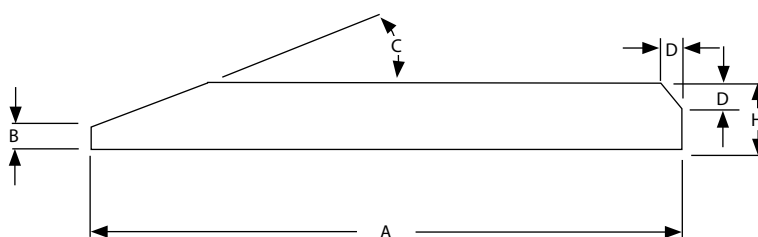
## CUTTING EDGE PROFILES



# SINGLE BEVEL PROFILE

## SINGLE BEVEL PROFILE (SBF)

- Weld-in cutting edge profile with a bevel along the front for penetration and a weld bevel along the back edge
- Made from 400/450HB abrasion resistant steel for maximum strength and wear life
- Available in 6200mm long or can be cut to any length and drilled to suit bolt on edges
- Custom made edges for large buckets are available in 780 High Tensile steel, up to 140mm thickness



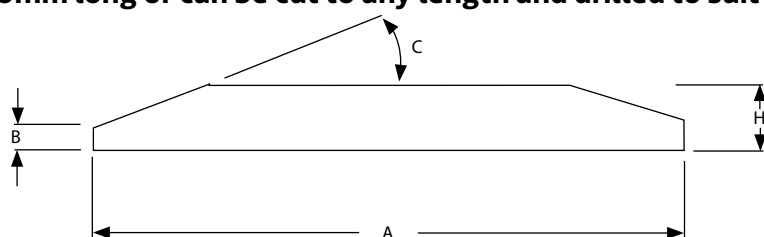
Standard Single Bevel Profile Sizes						
Dimensions (mm)					Max Length (mm)	Weight (Kg/m)
A	H	B	D	C		
110	12	3	2	24°	6200	10
110	16	7	2	24°	6200	14
150	16	6	5	24°	6200	19
150	20	5	5	23°	6200	23
200	20	6	8	23°	6200	31
200	25	11	8	23°	6200	39
250	25	6	10	23°	6200	49
250	30	11	10	23°	6200	59
300	30	8	8	23°	6200	71
300	35	13	8	23°	6200	82
300	40	18	8	23°	6200	94
400	50	20	12	24°	6200	157



# DOUBLE BEVEL PROFILE

## DOUBLE BEVEL PROFILE (DBF)

- Bolt-on reversible cutting edge profile with a bevel on both sides. Used for all types of Excavator, Loader, Dozer, Scraper and Tractor bucket edges
- Made from 500HB abrasion resistant steel, providing the longest possible wear life
- Available in 6200mm long or can be cut to any length and drilled to suit Plow Bolts



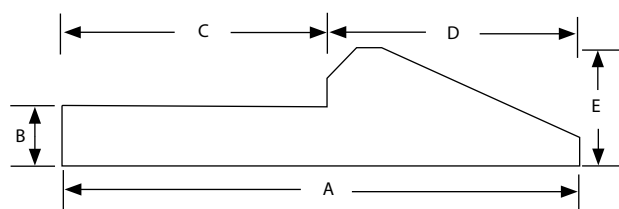
Standard Double Bevel Profile Sizes					
Dimensions (mm)				Max Length (mm)	Weight (Kg/m)
A	H	B	C		
152	16	5	25	6200	19
203	16	5	25	6200	25
203	20	8	25	6200	31
203	25	14	25	6200	40
254	20	8	25	6200	40
254	25	14	25	6200	50
280	25	8	22.5	6200	55
330	32	18	22.5	6200	83
330	41	27	22.5	6200	106
360	30	8	22.5	6200	85
406	25	14	22.5	6200	80
406	35	19	22.5	6200	111
406	41	25	22.5	6200	130
406	50	34	22.5	6200	160



# HALF ARROW PROFILE

## HALF ARROW PROFILE (HA)

- Weld-in or bolt-on cutting edge profile for Loader and Excavator cutting edges, providing more wear material along the front edge than the SBF profile
- Made from 450HB abrasion resistant steel for maximum strength and wear life
- This can also be used on bucket sides for wear protection or to increase capacity



Standard Half Arrow Profile Sizes							
Part No	Dimensions (mm)					Profile Length (mm)	Weight (Kg/m)
	A	B	C	D	E		
HA28254	254	28	132	122	57	3600	65
HA40254	254	40	132	122	70	3600	90





## EXCAVATOR CUTTING EDGES





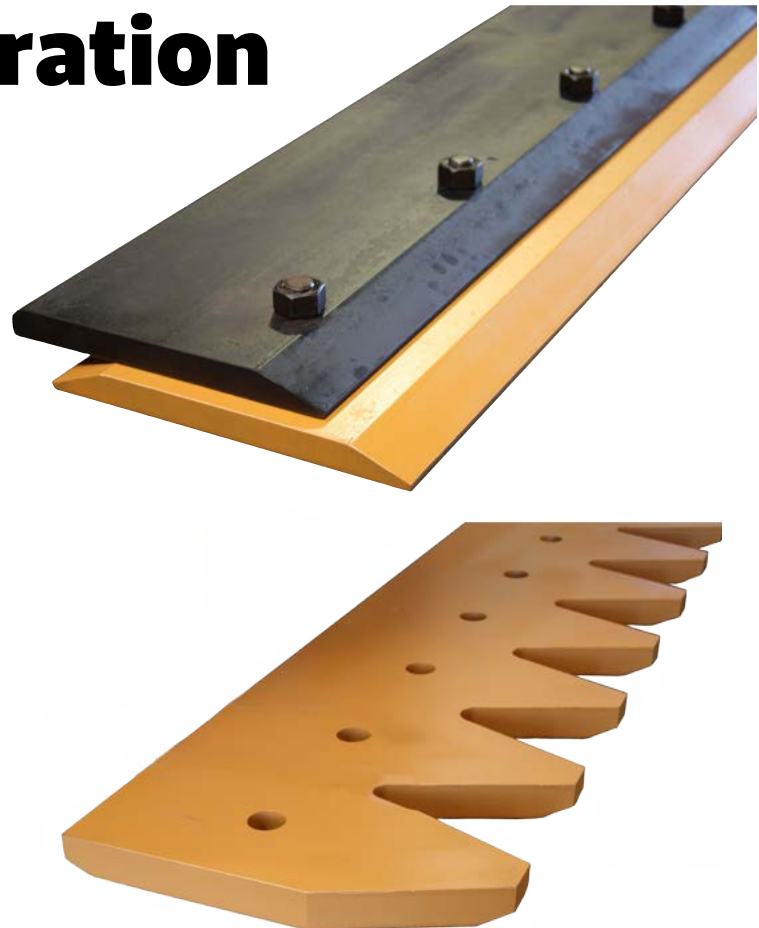
## BOLT-ON EXCAVATOR EDGES



# Increased penetration & capacity

**MAKE YOUR BUCKET DIG EASIER, HOLD MORE MATERIAL AND LAST LONGER WITH A BOLT-ON REVERSIBLE CUTTING EDGE**

- Customised cutting edges to suit any size, type and brand of Bucket
- Edges are made from 500HB abrasion resistant material for maximum wear life and strength
- Double bevel reversible design for longer wear life
- Thickness range from 16mm-60mm



## WELD-IN EXCAVATOR EDGES

# Stronger, harder, tougher

GET A NEW CUTTING EDGE IN YOUR  
BUCKET FOR BETTER STRENGTH,  
PENETRATION AND DURABILITY

- Customised Cutting Edges for all bucket types. Any size and shape of edge to suit your needs
- Made from 400/450HB abrasion resistant steel for good weld-ability and toughness.
- Thickness range from 10mm-140mm
- Single bevel design for better penetration
- Can be bevelled to suit weld-on adapters or drilled to suit bolt-on edges.

**“The strength of your bucket  
is the weld-in cutting edge”**



## PRE-FABRICATED EXCAVATOR EDGES



**SAVE YOURSELF THE HASSLE OF WELDING AND GET WEST-TRAK TO SUPPLY A PRE-FABRICATED CUTTING EDGE, WITH ADAPTERS FITTED, READY TO WELD IN YOUR BUCKET**

- **Guaranteed high quality workmanship from our certified welders**
- **Fully Hammerless G.E.T system for ultimate safety and reliability**
- **Correct adapter fitment and welding procedure when done by West-Trak**
- **Complete with weld-on or pin-on Lip Protectors fitted**



**Send us your bucket for a full rebuild with a new edge and wear protection fitted**

**Call today 0800 654 323**



# LOADER CUTTING EDGES



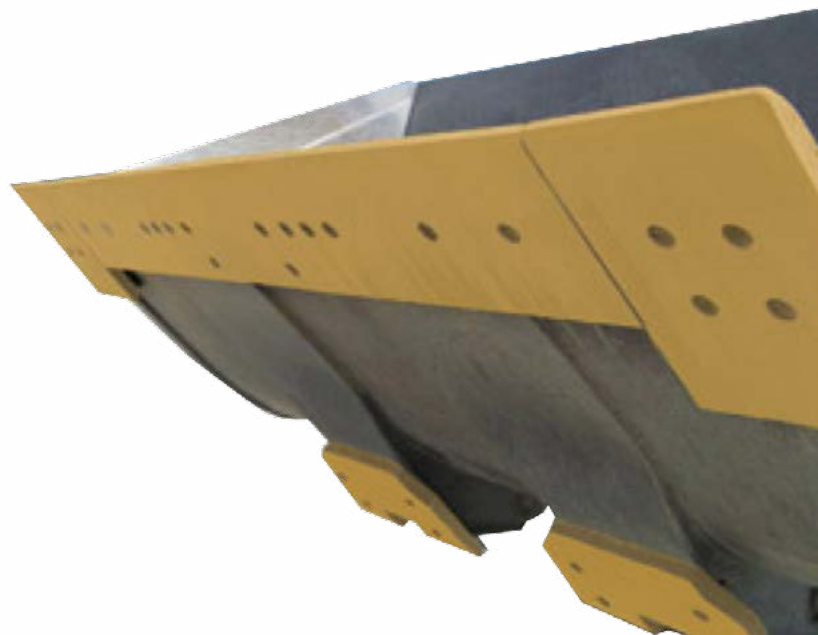
## LOADER CUTTING EDGES



# Cutting Edge performance

**WE'RE THE LARGEST SUPPLIERS OF LOADER EDGES IN NZ, SUPPORTING THE MINES, QUARRIES AND CIVIL CONTRACTORS WITH THE MOST RELIABLE AND LONGEST LASTING, LOADER EDGE SOLUTIONS**

- High quality cutting edges to suit all makes and models of Wheel Loaders including Caterpillar, Komatsu, Volvo, Hitachi, Hyundai, John Deere, Leibherr and Doosan
- Custom made weld-in and bolt-on cutting edge designs can be fabricated to suit all types of buckets and applications
- 500HB abrasion resistant steel is used for all bolt-on edges to ensure maximum strength and wear life
- Thickness range available from 10-60mm



# LOADER EDGE DESIGNS

## LOADER EDGE CONFIGURATIONS



Base and bolt-on set



Single piece edge



Base and bolt-on set



4 Piece edge set



Spade edge design for extra penetration and capacity



Single bevel design for high abrasion applications



# LOADER EDGE DESIGNS

## LOADER EDGE WITH BOLT-ON ADAPTERS AND SEGMENTS

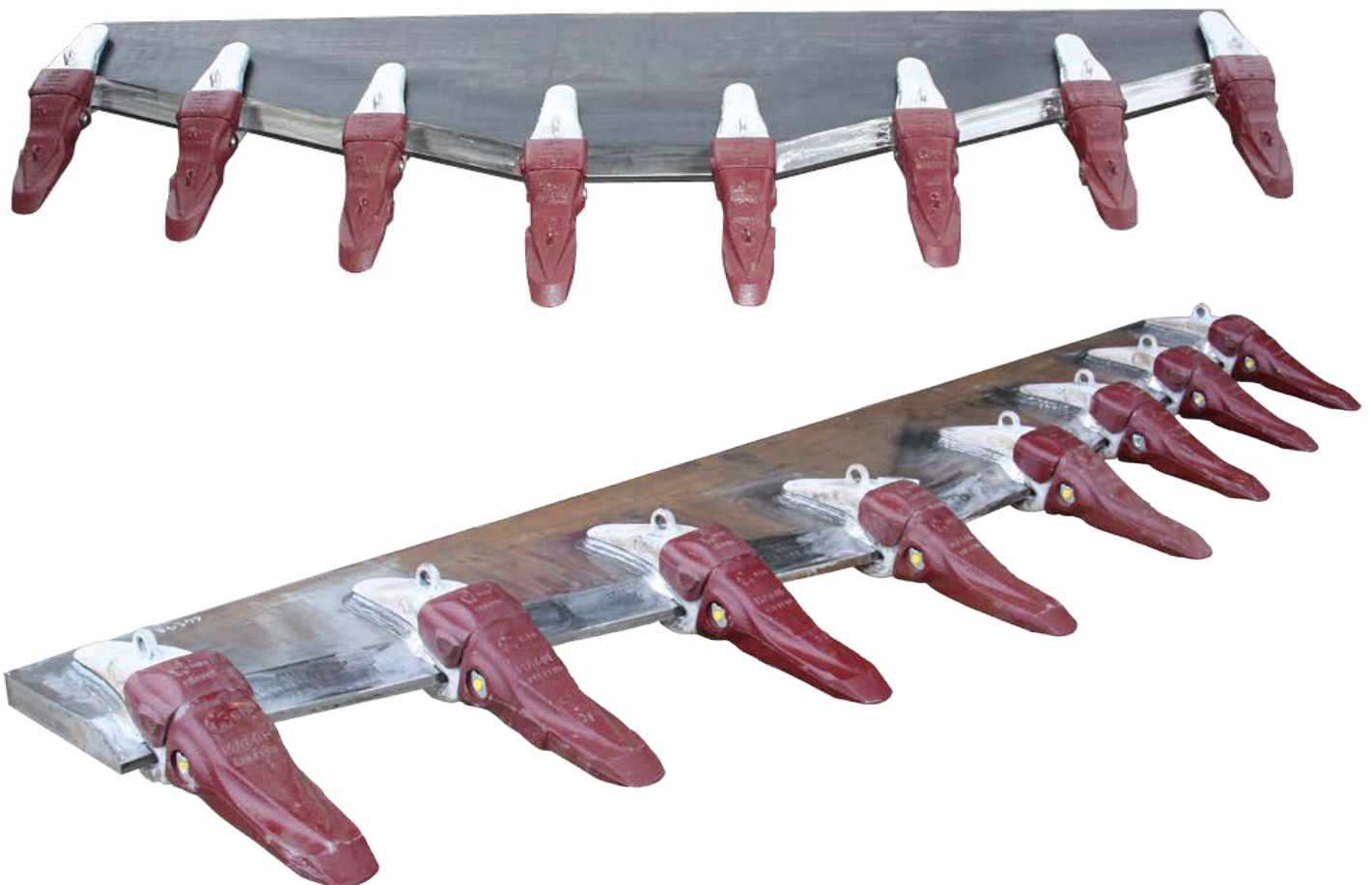


Typical bolt-on Adapter and Segment set.  
These can be removed and a standard bolt-on  
Cutting Edge fitted



Bolt-on Segment positioned between Adapters

## SPADE EDGE DESIGN WITH TEETH

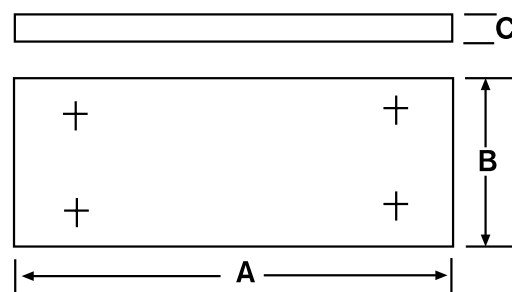


# LOADER HEEL PLATES



## LOADER HEEL PLATES

- Used to protect the underside of loader buckets from excessive wear
- Available to suit all make and models of loaders
- Weld-on or bolt-on types can be custom made to any size, shape and thickness



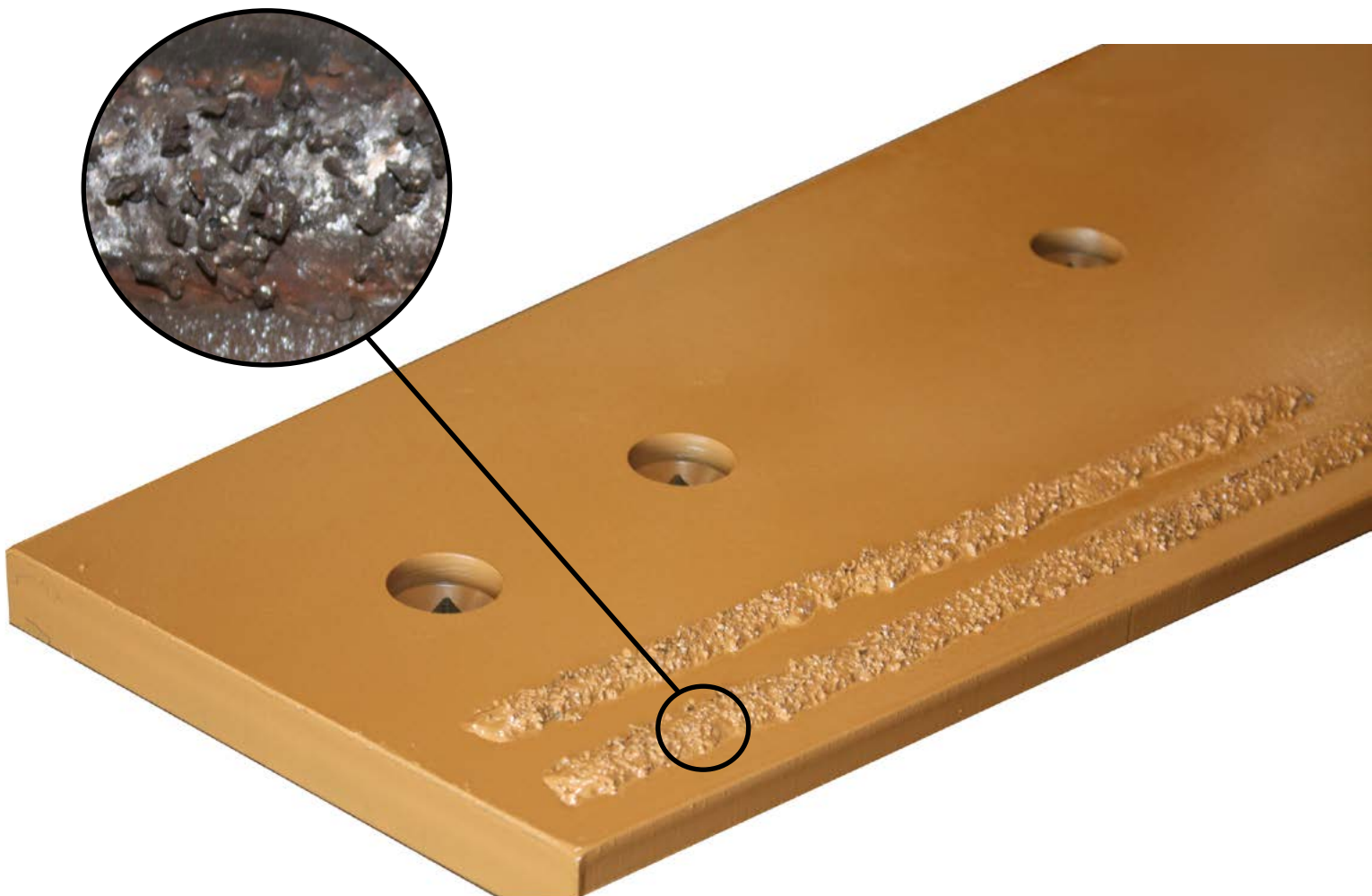
Standard CAT Style Heel Plates				
Part No	A	B	C	Machine Size
9W6747	525	250	25	Cat 950-960G/G/H
9W6749	565	250	35	Cat 966-970G/F/H
161-8573	565	250	35	Cat 972G

Dimensions in mm

# A.R.M TUNGSTEN HARDFACING

## MAKE YOUR CUTTING EDGES LAST UP TO 5 TIMES LONGER WITH A.R.M TUNGSTEN CARBIDE HARDFACING

- Abrasion Resistant Material (ARM) is a matrix of extremely hard Tungsten carbide particles and is applied using a hard facing mig wire.
- ARM provides a protective coating over critical wear surfaces on any steel component to extend its service life. Approximately 50% of the ARM dispersion is embedded below the surface resulting in a weld bead about 6-8mm high above the surface.
- This material enhances the wear pattern of parts to improve penetration and prolong wear life. It is especially suited for high wear, low impact applications and can be applied to cutting edges, skid plates, crusher plates, bucket teeth, ripper teeth, side cutters, agricultural tynes, flails, bark hammers and more.
- The life expectancy can be up to 5 times greater than standard wear parts without ARM, depending on how much product is applied and the type of application.





## DOZER CUTTING EDGES





## DOZER CUTTING EDGES



## Let's cut to the chase

**YOU NEED HIGH QUALITY CUTTING EDGES THAT ARE STRONGER, TOUGHER AND LAST LONGER. WE'VE GOT THEM!**

- High quality bolt-on Cutting Edges and End Bits are available to suit all makes and models of Bulldozers including Caterpillar, Komatsu, John Deere, Case, Leibherr, Fiat, Terex and more
- Custom made Cutting Edge designs can be fabricated to suit all types of blades and applications
- 500HB abrasion resistant steel is used to ensure the longest possible service life
- Thickness range available from 16-75mm



**DELIVERING THE SOLUTIONS YOU NEED TO STAY PRODUCTIVE**

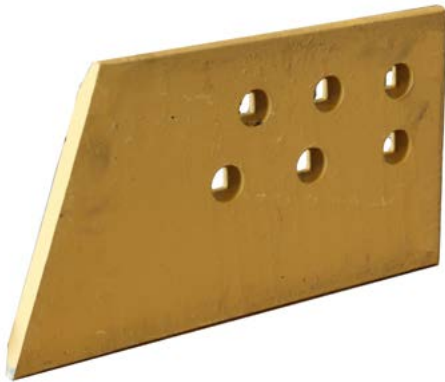
# DOZER END BITS

**A LARGE RANGE OF BOLT-ON DOZER END BITS ARE AVAILABLE TO SUIT ALL MAKES AND MODELS OF BULLDOZERS AND COMPACTORS**

- End Bits are made from 500HB abrasion resistant steel for maximum strength and wear life
- Available from 16-90mm thickness
- Custom End Bit designs can be made to suit various blade types and requirements



Square Cut End Bit



Angled End Bit



Hot Cupped End Bit



Hot Cupped EWL End Bit



Ripper End Bit



## SCRAPER CUTTING EDGES





## SCRAPER CUTTING EDGES



**HIGH QUALITY CUTTING EDGES TO SUIT ALL MAKES AND MODELS OF SCOOPS AND SCRAPERS INCLUDING CATERPILLAR, KOMATSU, WABCO, TEREX AND JOHN DEERE**

- Custom made Molboards and Cutting Edge designs can be fabricated to suit all types of bowls and applications
- 500HB abrasion resistant steel is used for all Cutting Edges to ensure the longest possible service life
- Multiple rows of holes can be added for edge height adjustment



## SCRAPER ROUTER BITS



**LARGE STOCKS OF BOLT-ON ROUTER BITS TO SUIT ALL MAKES AND MODELS OF SCRAPERS AND SCOOPS**

- Made from 500HB abrasion resistant steel for maximum strength and wear life
- Custom designs can be made with pin-on replaceable teeth for extra bowl penetration



Terex TS14 style Router



Cat style 615-637 Standard Router



Terex TS18/24 style Router



Cat style 615-637 Heavy Duty Router



# SCRAPER WEAR PARTS

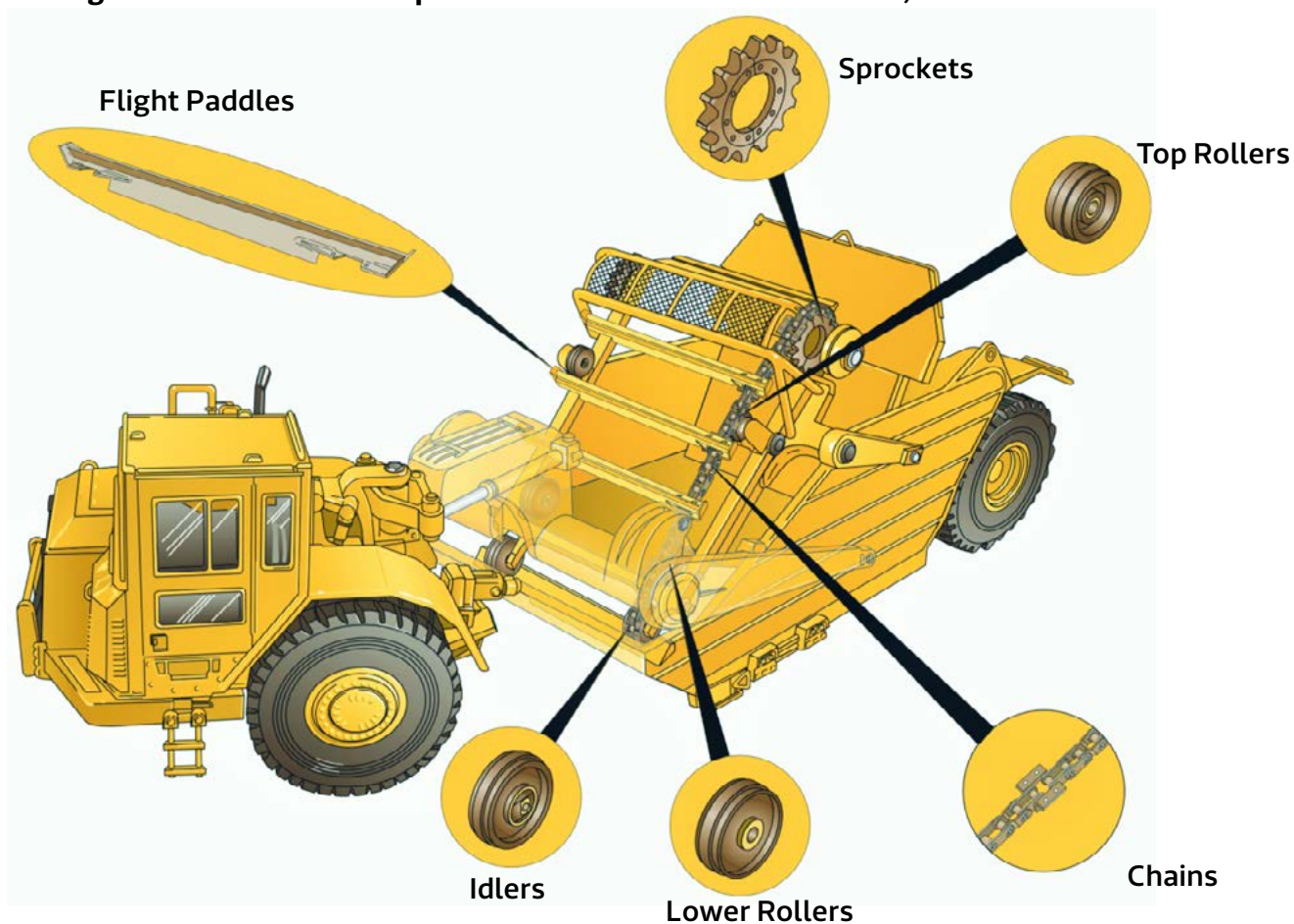
## SCRAPER GUIDES

- Bolt-on Scraper guides are available to suit Cat 615 - 623 elevator models



## ELEVATING SCRAPER ACCESSORIES

- A range of elevator wear components are available to suit Cat 613, 615 and 623 models





## GRADER CUTTING EDGES





## GRADER CUTTING EDGES



# Get the edge on your machine

- High quality Grader Cutting Edges are available to suit all makes and models of Graders including Caterpillar, Komatsu, Volvo, John Deere and Mitsubishi
- Grader and Snowplow edges come in a range of single and double bevel profiles, curved or flat and in various lengths and widths to suit all types of moldboards and applications
- Edges are made from high carbon or heat treated steel and available with tungsten inserts for greater wear life
- Thickness range available from 16-32mm





# GRADER CUTTING EDGES



**A LARGE RANGE OF CURVED AND FLAT, HIGH CARBON AND HEAT TREATED GRADER BLADES AVAILABLE FROM 5FT TO 8FT LONG**

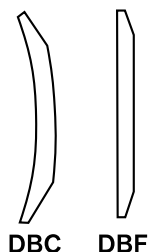
## **HIGH CARBON EDGES - (Hardness: 250-320 Brinell, 25-34 HRC)**

Part No	Profile	Length	Width	Thickness	Bolt Size	No. of Holes
7D4508	DBC	5ft	6"	5/8"	5/8"	11
7T1641	DBC	5ft	8"	5/8"	5/8"	7
7T1636	DBC	6ft	8"	5/8"	5/8"	13
7T1639	DBC	6ft	8"	5/8"	3/4"	10
7T1643	DBC	7ft	8"	5/8"	5/8"	9

## **HEAT TREATED EDGES - (Hardness: 421-512 Brinell, 45-52 HRC)**

Part No	Profile	Length	Width	Thickness	Bolt Size	No. of Holes
5D9558	DBC	6ft	8"	3/4"	5/8"	13
5D9559	DBC	7ft	8"	3/4"	5/8"	15
7D1577	DBC	7ft	8"	3/4"	3/4"	15
4T2233	DBC	7ft	8"	1"	3/4"	15
4T4508	DBF	7ft	10"	1"	3/4"	15
7D1949	DBC	8ft	8"	3/4"	3/4"	17
4T2236	DBC	8ft	8"	1"	3/4"	17
4T6511	DBF	8ft	10"	1"	3/4"	17
4T8317	DBF	8ft	10"	1.25"	3/4"	17

Edge Profiles



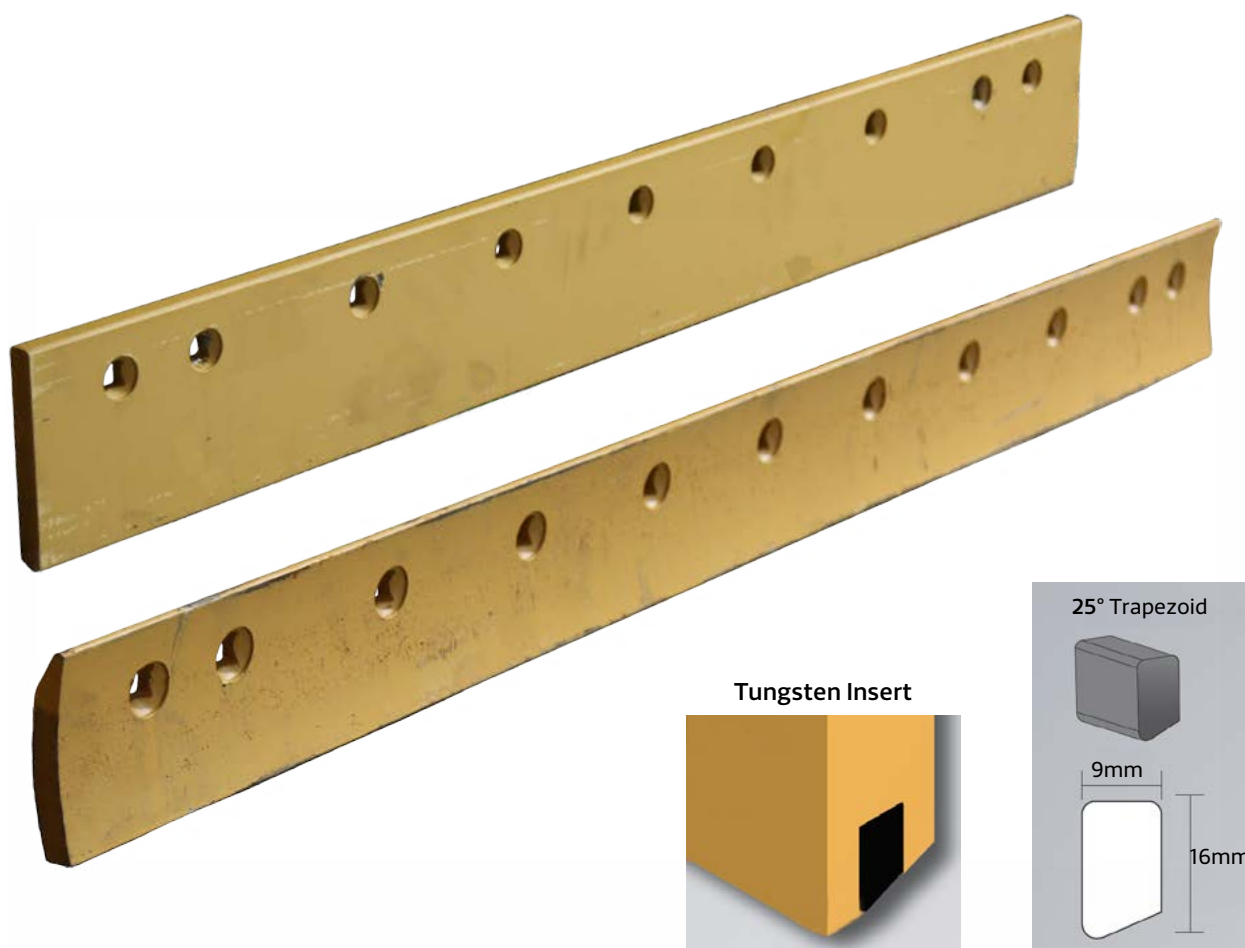
DBC

DBF

Hole Spacing Note: For all grader edges, the 2 holes at each end have 3" centers and all other holes are either 6" or 12" centers.

# TUNGSTEN INSERTED BLADES

GET UP TO 10 TIMES THE WEAR LIFE WITH THESE TUNGSTEN INSERTED BLADES.  
AVAILABLE IN CURVED AND FLAT TO SUIT ALL TYPES OF GRADERS AND SNOWPLOWS



- Tungsten Carbide blades are a superior choice for any low impact, high abrasion application. The Inserted Carbide along the bottom edge significantly extends the life of the blade, gaining up to 10 times that of standard high carbon edges

- Available to fit all types of Snowplows and Graders

Part No	Profile	Length	Width	Thickness	Bolt Size
CIJT654875-A	DBC	4ft	5"	3/4"	3/4"
CIAT664844-A	Flat	4ft	6"	3/4"	5/8"
CIJT656075-A	DBC	5ft	5"	3/4"	5/8"
CIA666044-A	Flat	5ft	6"	3/4"	5/8"

Edge Profiles



Hole Spacing Note: For all grader edges the 2 holes at each end have 3" centers and all other holes are either 6" or 12" centers.

# GRADER END BITS



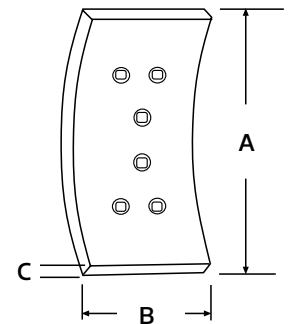
Narrow End Bit



Overlay End Bit

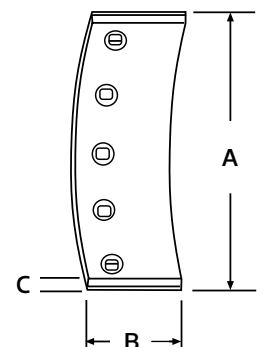
## OVERLAY END BIT

Part No	A	B	C	Bolt Size	No. Holes	Machine Model
7D9999	555	230	16	3/4"	8	Cat 14G, 16G
6Y2805	520	230	16	3/4"	8	Cat 14H
9W1767	450	235	16	5/8"	8	Cat 140G
9W1768	515	235	16	5/8"	8	Cat 140G
T202938	450	230	16	5/8"	8	JD670, 672, 770
JDT162468/69	580	215	13	5/8"	7	JD772



## NARROW END BIT

Part No	A	B	C	Bolt Size	No. Holes	Machine Model
8E5531	445	154	16	5/8"	5	Cat 12G, 130G
8E5529	445	154	16	3/4"	5	Cat 12G, 130G
8E5530	445	158	19	3/4"	5	Cat 14G/H
9D4880/81	445	152	19	3/4"	4	Cat 16G
T71955	440	155	16	5/8"	4	JD670,672,770,772



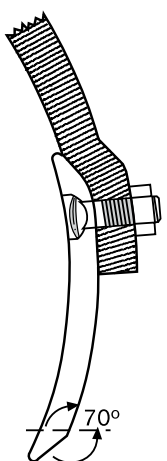
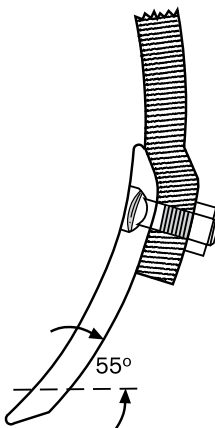
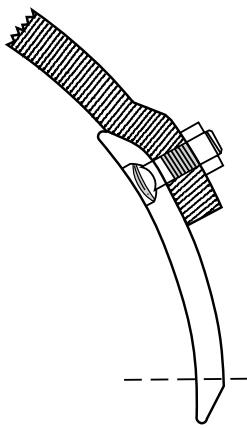
Bolt hole patterns may vary from sample shown. Dimensions in mm.



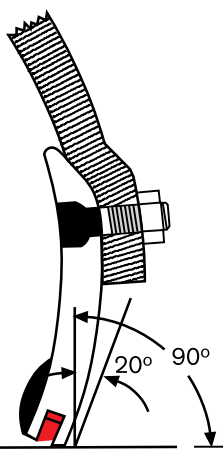
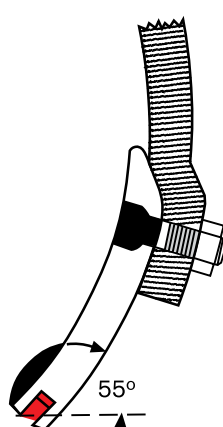
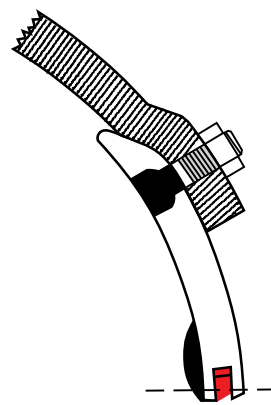
# GRADER BLADE OPERATION

Correct Grader edge operation is critical for getting the most from your edges.  
Check the tightness of bolts often as vibration can loosen them, causing the edges to break.  
The correct position of the edge should be as vertical as possible, as the diagrams indicate below

## STANDARD GRADER EDGE OPERATING POSITIONS

RECOMMENDED	NOT RECOMMENDED	
 <p><b>Cutting action</b></p> <p>Blade self sharpens as it wears</p>	 <p><b>Skidding effect</b></p> <p>Blade will roll up on leading edge and break off (not good for tyres)</p>	 <p><b>Back dragging effect</b></p> <p>Blade will roll up on back side leaving slivers of steel on road</p>

## TUNGSTEN CARBIDE EDGE OPERATING POSITIONS

RECOMMENDED	NOT RECOMMENDED	
 <p><b>Cutting action</b></p>	 <p><b>Skidding effect</b></p>	 <p><b>Back dragging effect</b></p>

# CUTTING EDGE HARDWARE



**A FULL RANGE OF PLOW BOLTS, NUTS AND WASHERS ARE AVAILABLE FROM 1/2" TO 1.3/8" DIAMETERS, TO SUIT ALL MAKES AND MODELS OF MACHINES**

Hardware is made from grade 9 alloy steel for added toughness and are heat treated to a minimum tensile strength of 170,000 PSI with a core hardness of Rockwell RC36-42.

## PLOW BOLT LENGTH GUIDE FOR CUTTING EDGES

Edge Thickness	12mm	16mm	20mm	25mm	30mm	40mm	50mm	60mm	Plow Nut Height
Bolt Diameter	Bolt Length (inches)								
5/8"	2"	2"	2.1/4"	2.1/2"	2.3/4"	3"	3.1/2"		14mm
3/4"		2.1/4"	2.1/4"	2.1/2"	2.3/4"	3"	3.1/2"		16mm
7/8"				2.1/2" - 3"	3" - 3.1/4"	3.1/2"	3.1/2" - 4"		19mm
1"				2.1/2" - 2.3/4"	3" - 3.1/4"	3.1/2"	4" - 4.1/8"	4.1/2"	22mm
1.1/4"				4"	4" - 4.1/8"	4" - 4.1/8"	4" - 4.1/8"	4.1/2"	26mm
1.3/8"						4.1/2"	4.1/2"	4.1/2"	29mm

## RECOMMENDED TORQUE VALUES

Thread Diameter	5/8"	3/4"	7/8"	1"	1.1/8"	1.1/4"	1.3/8"
UNC Torque Lb.ft	200 ± 30	350 ± 45	550 ± 65	850 ± 110	1050 ± 150	1700 ± 220	2250 ± 220
NF Torque Lb.ft	270 ± 40	475 ± 60	750 ± 90	1150 ± 150	1450 ± 220	2200 ± 300	3050 ± 300

Torque settings given are indicative only.

Torque has been estimated for bolts with light oil lubricant (mostly as supplied)



***Delivering the  
solutions you  
need to stay  
productive***

**CALL 0800 654 323 TODAY FOR YOUR CUTTING EDGE SOLUTION**

Machine names and part numbers are for reference only.

All parts are high-quality replacement parts and are not produced by the original equipment manufacturers.

**Contact us:**



**Phone us on**  
0800 654 323



**Fax us on**  
03 789 8093



**Email us on**  
[sales@west-trak.co.nz](mailto:sales@west-trak.co.nz)



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