PRODUCT CATALOGUE | 2026

Edition 1

ASTRAK | WEST-TRAK

POWERED TOGETHER

CIVIL CONSTRUCTION

When you're hard at work building infrastructure the economy relies on, we'll keep your machines moving with parts, service & back-up support you can rely on.

MINING

Downtime costs. Our mining solutions ensure increased uptime & better performance from your front line machines.

QUARRYING

High wear & tear environments can grind your machines to pieces. Our tough steel solutions provide longer service life & reduced downtime.

FORESTRY

When you're miles away in the back blocks your machinery has to stay productive. Our range of forestry products & services will help you stick to the slopes & get more done.

ENGINEERING

Breakdowns, maintenance or fabrication, our wear steels & processing capabilities keep your jobs on schedule & deliver uptime to a wide range of machinery.

FAST FACTS

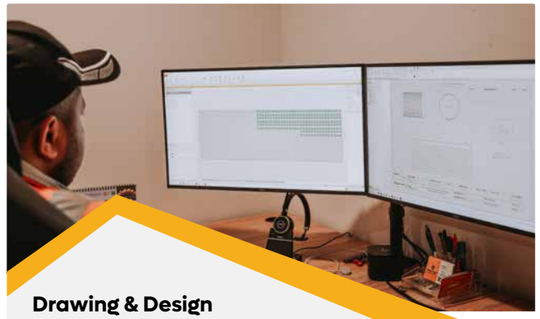
- **30+ Years** Industry Experience
- **Nationwide** Sales, Service & Support
- **1500+ Tonnes** Of Undercarriage Parts
- **500+ Tonnes** Of Ground Engaging Tools
- **10,000+ Machines** Supported in NZ
- **Global Support** From our parent company Astrak Global
- **500+ Tonnes** Of Wear Plate & Profiles
- **50,000+** Plans & Drawings

NATIONWIDE DISTRIBUTION

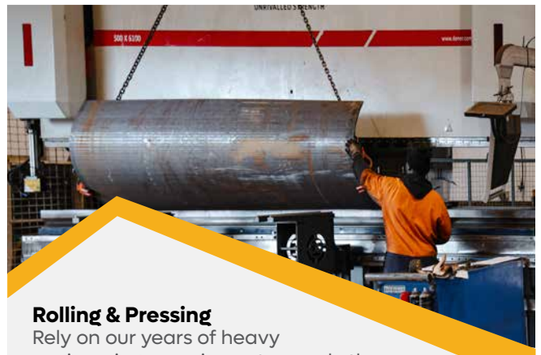
We deliver anywhere in New Zealand. Fast, reliable service to get you the right part, at the right price, on time, every time.

OUR CAPABILITIES & SERVICES

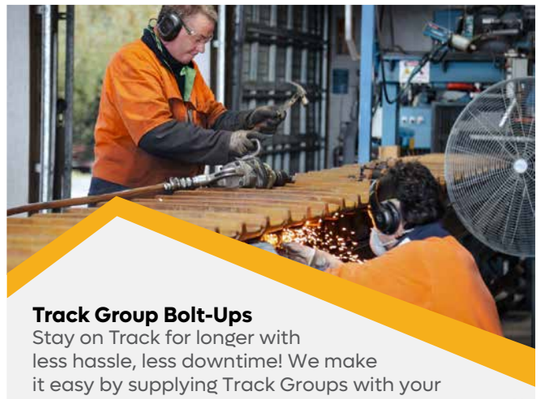
CNC Profile Cutting
Short lead times, accurate cuts, clean edges — handled by our in-house workshop team.



Drawing & Design
Our team of experienced mechanical design engineers & CAD drawing experts use the latest software to design customised wear parts & structures to suit your needs. From custom bucket liners to Apron Feeder Assemblies, our team is experienced in all wear steel solutions.



Rolling & Pressing
Rely on our years of heavy engineering experience to supply the best brands & highest quality steel plate, rolled, bent, curved or pressed to your required shape. As direct importers, stockists & processors of wear steels, we can form the hard stuff for any application.



Track Group Bolt-Ups
Stay on Track for longer with less hassle, less downtime! We make it easy by supplying Track Groups with your choice of shoes already bolted on so you can roll off the old & roll on the new, to keep on tracking.

On-Site Wear Reporting
We'll help you stay on track & increase uptime of your machines by monitoring & measuring the performance of your Undercarriage system. Plus, we'll take care of bucket measure-ups to keep your operation running smoothly.

Welding & Fabrication
We weld the big stuff, the hard stuff & the toughest heat treated, through hardened wear steels. Our wear steel requires specialist welding methods to survive the roughest quarry, mining & forestry environments.

OUR PRODUCT RANGE

Delivering the solutions you need to stay productive

Bucket Builds & Rebuilds

Boost productivity with a stronger, more durable Bucket on your machine. Designed & built to suit your needs

"Guaranteed quality & full backup support"

Page 7

Bucket & Blade Protection

Armour up your gear, to protect from wear & tear with our large range of wear protection products

"Pin-on & weld-on options"

Page 21

Bucket Teeth & Adapters

Get the world's most trusted, hammerless Bucket Tooth system on your Excavator & Loader Buckets - MTG Veemet

"Never lose a Bucket tooth again"

Page 53

Cutting Edges & End Bits

Sharpen your performance with harder & tougher Cutting Edges on your Loaders, Excavators, Dozers, Scrapers & Graders

"Custom designs for all makes & models"

Page 99

Steel Plate Processing

Expert processors & fabricators of the heaviest, hardest & toughest wear steels around

"Largest range of wear steels in NZ"

Page 137

Crusher Wear Parts

Are you crushing rock & rubble? Get quality wear parts that last longer & increase your production

"Custom options to suit your needs"

Page 171

Ripper Products

Rip into it with tougher & stronger ripping components for Excavators & Dozers

"Tough ripping solutions that work"

Page 179

Undercarriage Parts

Stay on track with our huge range of Undercarriage for all makes & models of Excavators & Dozers

"2000 hour warranty on all parts"

Page 205

Rubber Tracks & Pads

Increase uptime with high quality rubber tracks & pads. 300+ sizes in stock Nationwide

"Guaranteed quality, fitment & performance"

Page 255

Forestry Tyre Tracks

Boost productivity with a stronger, more durable Bucket on your machine. Designed & built to suit your needs

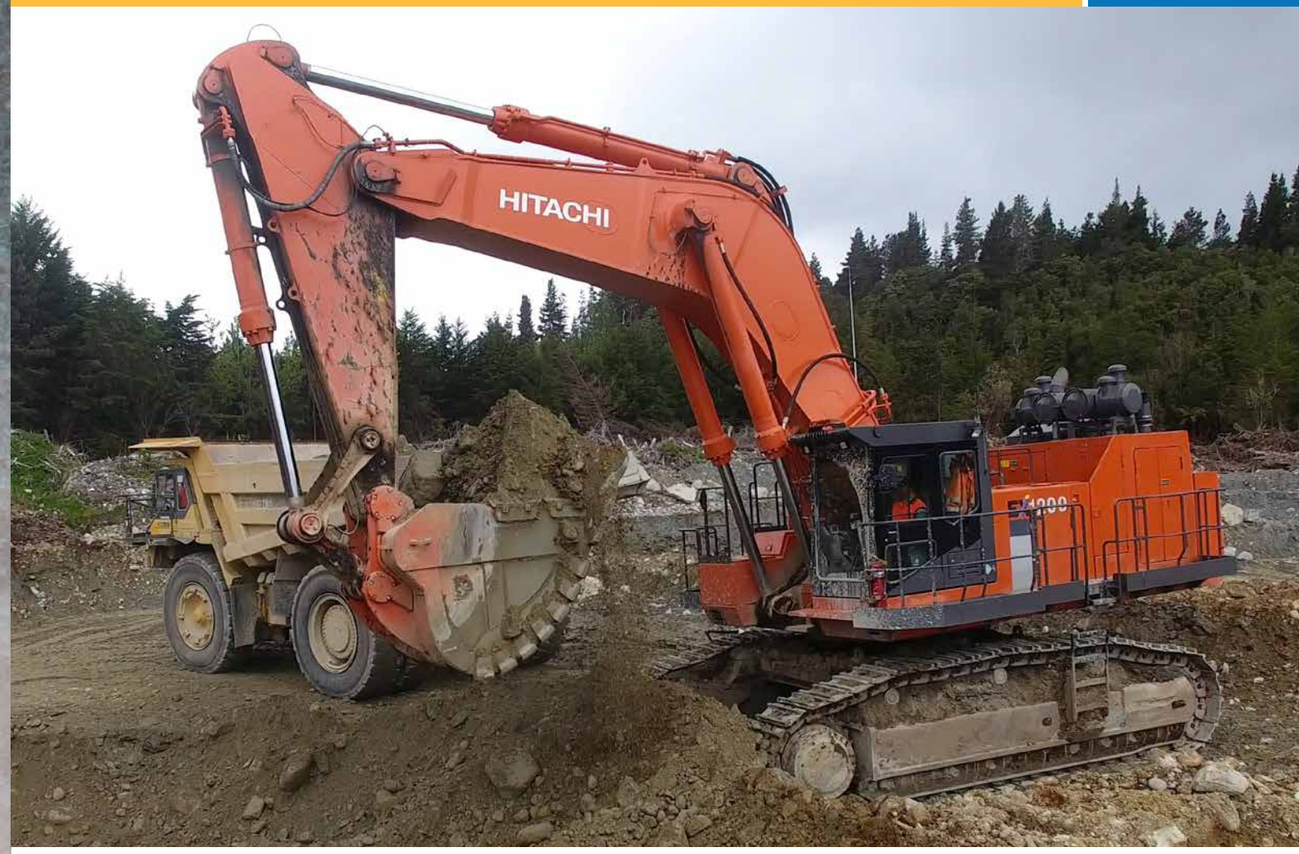
"Increase traction, maximise productivity"

Page 263

BUCKETS

Boost productivity with a stronger & tougher Bucket on the business end of your machines

“Guaranteed quality & full backup support”



DIGGING FOR A NEW ROCK BUCKET?

YOU'LL NEED A TOUGH, RELIABLE WEST-TRAK BUCKET TO GET THE JOB DONE

We import and stock a large range of high quality, heavy-duty Rock and Bulk Buckets that survive the toughest Quarry and Mining environments in the world.

Our Buckets are manufactured from the highest quality structural and abrasion-resistant wear steels, providing unrivalled strength and durability.

Productivity and performance is a key part of our design process to ensure you get the best Bucket for your needs, with good penetration and fill factor, structural integrity, safe and reliable G.E.T systems and a solid wear protection package.

Our expertise in big Bucket engineering for more than 20 years, gives you the confidence we know what works best. You'll get proven, tried and trusted Bucket advice you can rely on.

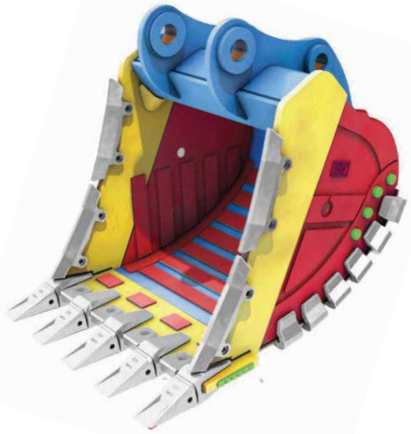
Ongoing back-up support is part of the West-Trak Bucket solution. All replacement wear parts are readily available ex-stock, for fast delivery to keep your machine in action. Regular Bucket assessments can be carried out on-site to ensure optimum performance and customer satisfaction.

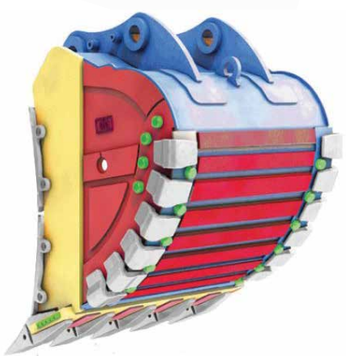
Maximise your productivity today with a West-Trak Bucket on your Excavators. Available for 20 - 100 tonne size machines.

GET MORE BANG FOR YOUR BUCK!

BOOST PRODUCTIVITY WITH A STRONGER, MORE DURABLE ROCK BUCKET ON THE BUSINESS END OF YOUR MACHINE

- Built from High Tensile & Abrasion-resistant steels for maximum strength and wear life
- Improved design and performance benefits to enhance your machines productivity
- Fully hammerless G.E.T wear protection system for ultimate safety and reliability
- Guaranteed quality and full back-up support with replacement wear parts in stock
- Buckets are available to suit any brand of Excavator from 20-100 tonne size



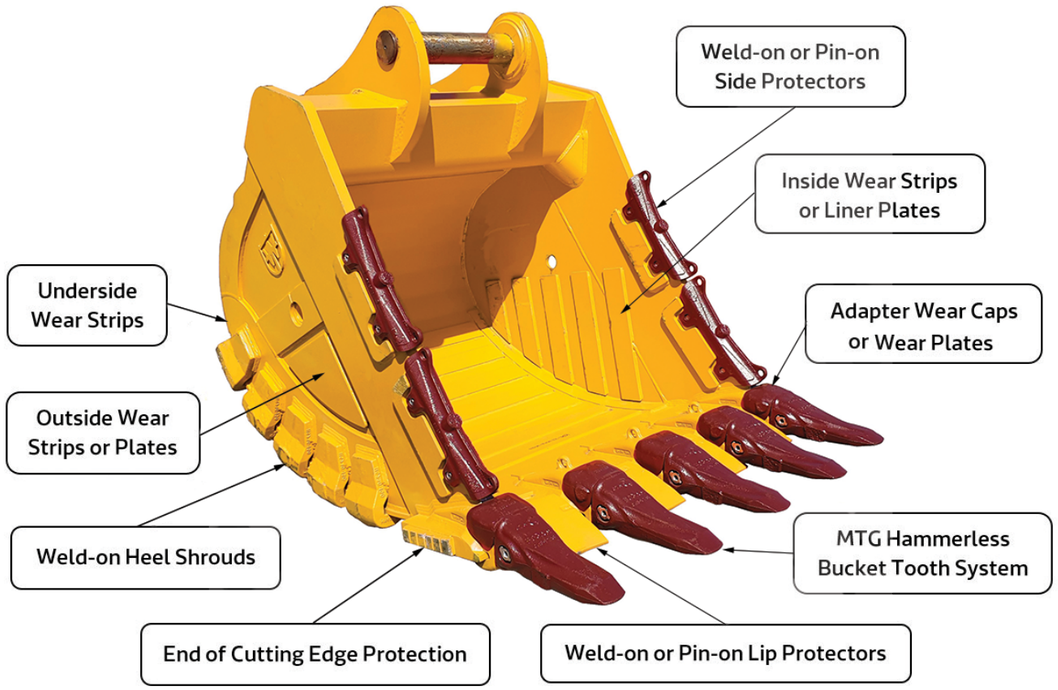


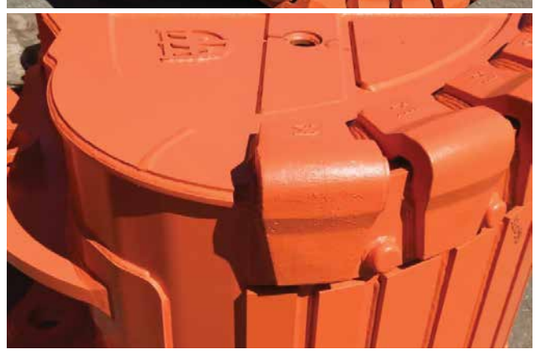
Medium or High Tensile, high strength steel is used on the top bridge, skin & lip areas

G400-G450 Abrasion Resistant wear steel is used on the Bucket sides, lip & wear strips

G500 Abrasion Resistant wear steel is used for wear strips & wear protection plates

THE BUCKET WEAR PROTECTION PACKAGE IS FUNDAMENTAL FOR ACHIEVING LONG SERVICE LIFE & PROTECTING THE STRUCTURAL AREAS OF THE BUCKET FROM WEAR & TEAR





WHAT MAKES A GOOD BUCKET?

IT'S IMPORTANT TO KNOW THE KEY FEATURES & BENEFITS OF A GOOD BUCKET TO MAXIMISE YOUR MACHINE PRODUCTIVITY & SERVICE LIFE

CAPACITY

Choose a Bucket with the most capacity possible to suit your truck size and digging application. You'll increase your extraction capacity with more material in every scoop, also reducing cycle times and fuel burn.

Having a stepped spade edge and using Lip and Side Protectors will also help to add extra capacity to your Bucket.

PENETRATION

You need the right shape Cutting Edge and correct tooth configuration, size and style to maximise your Bucket penetration.

A spade shape Cutting Edge with the centre teeth set forward, combined with the MTG hammerless, self-sharpening tooth system, will enhance your digging power significantly. A narrow Bucket will improve penetration.

DESIGN & QUALITY

A good Bucket design has the right steel grades and thicknesses in the right areas for structural toughness and wear resistance.

All our Bucket designs are FEA stress-tested to eliminate any weak areas prior to production and ensure reliable performance. The correct weld preps, welding procedures and heat-treatment are also important quality factors for achieving good structural strength and durability.

G.E.T & WEAR PACKAGE

Get a safe and reliable tooth system on your Bucket. The MTG hammerless Veemet system guarantees no loss of teeth, fast and safe changeovers and the longest wear rates.

A good Rock Bucket needs a full wear package inside and out to protect it from wear and tear. Wear is the main cause of cracks and failure of the Bucket parts and structure, so it's important to keep your asset armoured up.

BACK-UP & SUPPORT

You'll need a fast, reliable supplier for your replacement wear parts, who can supply from stock and provide trusted advice when things go wrong. West-Trak stand by what we sell and provide exceptional service and support to keep your machines moving.

All West-Trak Buckets have a 12 month/2000 hour structural warranty for your peace of mind. See our Terms and Conditions for more details.

Choose a West-Trak Bucket today & get these benefits!
Call 0800 654 323 to discuss your needs now

EXCAVATOR ROCK BUCKETS
BUCKETS

A large range of Rock Buckets are available to suit most makes & models of Excavators

Images shown are indicative only & may not represent the final design.

16-23 TONNE STANDARD ROCK BUCKET

- 1.0m³ SAE heaped capacity
- 1200mm wide
- 80mm pins fitted
- J350 teeth fitted
- Wear strips fitted on underside
- Part No. HD-21.12-J35

Pins can be modified to suit different fitments.

24-30 TONNE STANDARD ROCK BUCKET

- 1.4m³ SAE heaped capacity
- 1300mm wide
- 90mm pins fitted
- J400 teeth fitted
- Wear strips fitted on underside
- Part No. HD-31.13-J40

Pins can be modified to suit different fitments.

33-40 TONNE HEAVY DUTY ROCK BUCKET

- 1.7m³ SAE heaped capacity
- 1450mm wide
- 100mm pins fitted
- MTG teeth & protectors fitted
- Weld-on wear protection inside & outside
- Part No. RDH-41.14WT-NSF1

Pins can be modified to suit different fitments.

45-55 TONNE HEAVY DUTY ROCK BUCKET

- 2.1m³ - 2.6m³ SAE heaped capacity
- 1590mm-1890mm wide
- 110mm pins fitted
- MTG teeth & protectors fitted
- Weld-on wear protection inside & outside
- Part No. RDH-51.15WT-NSF2 (2.1m³)
- Part No. RDH-51.18WT-NSF1 (2.6m³)

Pins can be modified to suit different fitments.

60-90 TONNE HEAVY DUTY ROCK BUCKET

- 3.5m³ - 5.0m³ SAE heaped capacity
- 2050mm-2300mm wide
- Fixed or floating pins fitted
- MTG teeth & protectors fitted
- Weld-on wear protection inside & outside

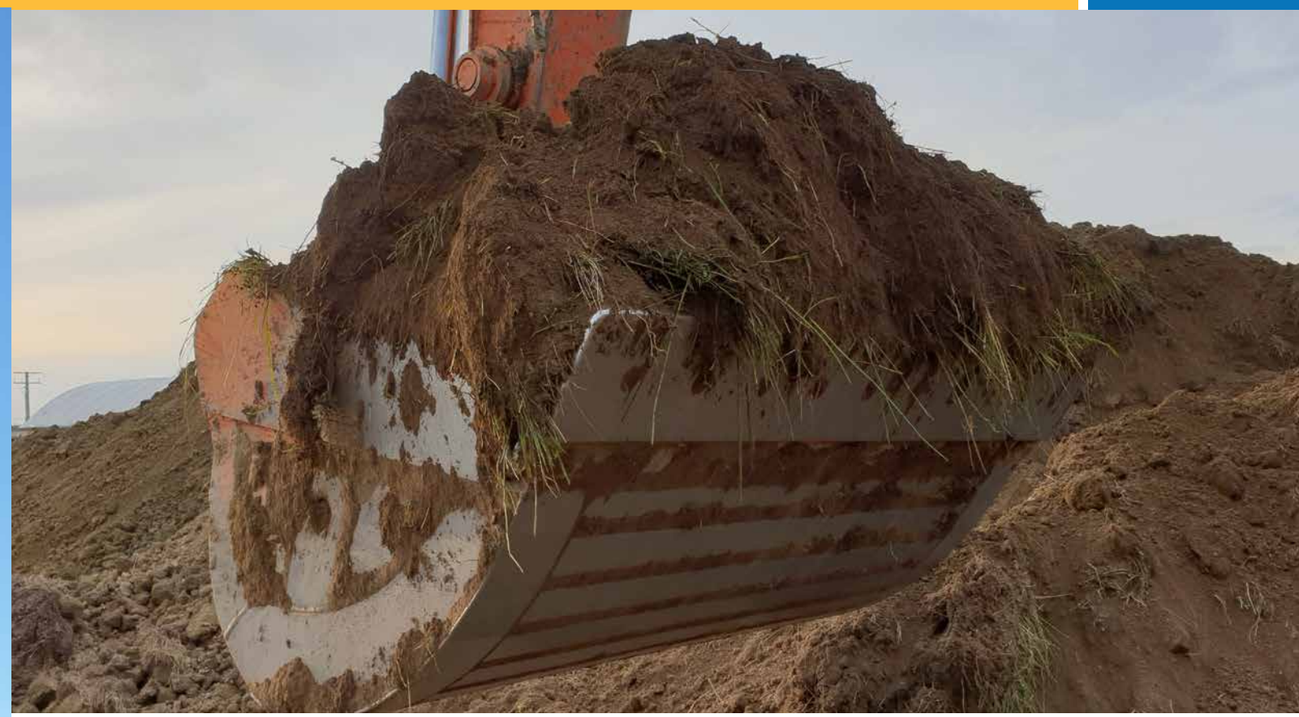
Available on indent order or custom built to suit your needs.

100-120 TONNE HEAVY DUTY ROCK BUCKET

- 5.2m³ - 7.0m³ SAE heaped capacity
- 2250mm-2400mm wide
- Fixed or floating pins fitted
- MTG teeth & protectors fitted
- Weld-on wear protection inside & out

Available on indent order or custom built to suit your needs.

EXCAVATOR BULK BUCKETS
BUCKETS



WANT TO MOVE MOUNTAINS?

GET A HEAVY DUTY, HIGH QUALITY WEST-TRAK BULK BUCKET ON YOUR EXCAVATORS & SHIFT MORE SOIL!

We import and stock a large range of Bulk Cleaning Buckets in a range of widths and capacities to suit most makes and models of Excavators from 20-50 tonne size.

Our Bulk Buckets are designed to withstand the most extreme digging conditions and built with the hardest and toughest wear steels. Our Buckets are fitted with a G500 reversible bolt-on Cutting Edge, G450 underside wear strips and 2x mild steel pins.

We can fit teeth and extra wear protection to them if required. All Buckets have a 12 month/2000hr structural warranty for your peace of mind.

Get more done and move more mountains with a stronger West-Trak Bulk Bucket on your machine today!

A large range of Bulk Cleaning Buckets are available to suit most makes & models of Excavators.
Images shown are indicative only & may not represent the final design.

16-23 TONNE BULK CLEANING BUCKET

- 1.2m³ SAE heaped capacity
- 2000mm wide
- 80mm pins fitted
- Bolt-on Cutting Edge fitted
- Underside wear strips fitted
- Part No. TBA-21.20N-NSF1

Pins can be modified to suit different fitments.

24-30 TONNE BULK CLEANING BUCKET

- 1.7m³ SAE heaped capacity
- 2100mm wide
- 90mm pins fitted
- Bolt-on Cutting Edge fitted
- Underside wear strips fitted
- Part No. TBA-21.21N-NSF1

Pins can be modified to suit different fitments.

33-40 TONNE BULK CLEANING BUCKET

- 2.2m³ SAE heaped capacity
- 2300mm wide
- 100mm pins fitted
- Bolt-on Cutting Edge fitted
- Underside wear strips fitted
- Part No. TBA-31.23WT-NSF1

Pins can be modified to suit different fitments.

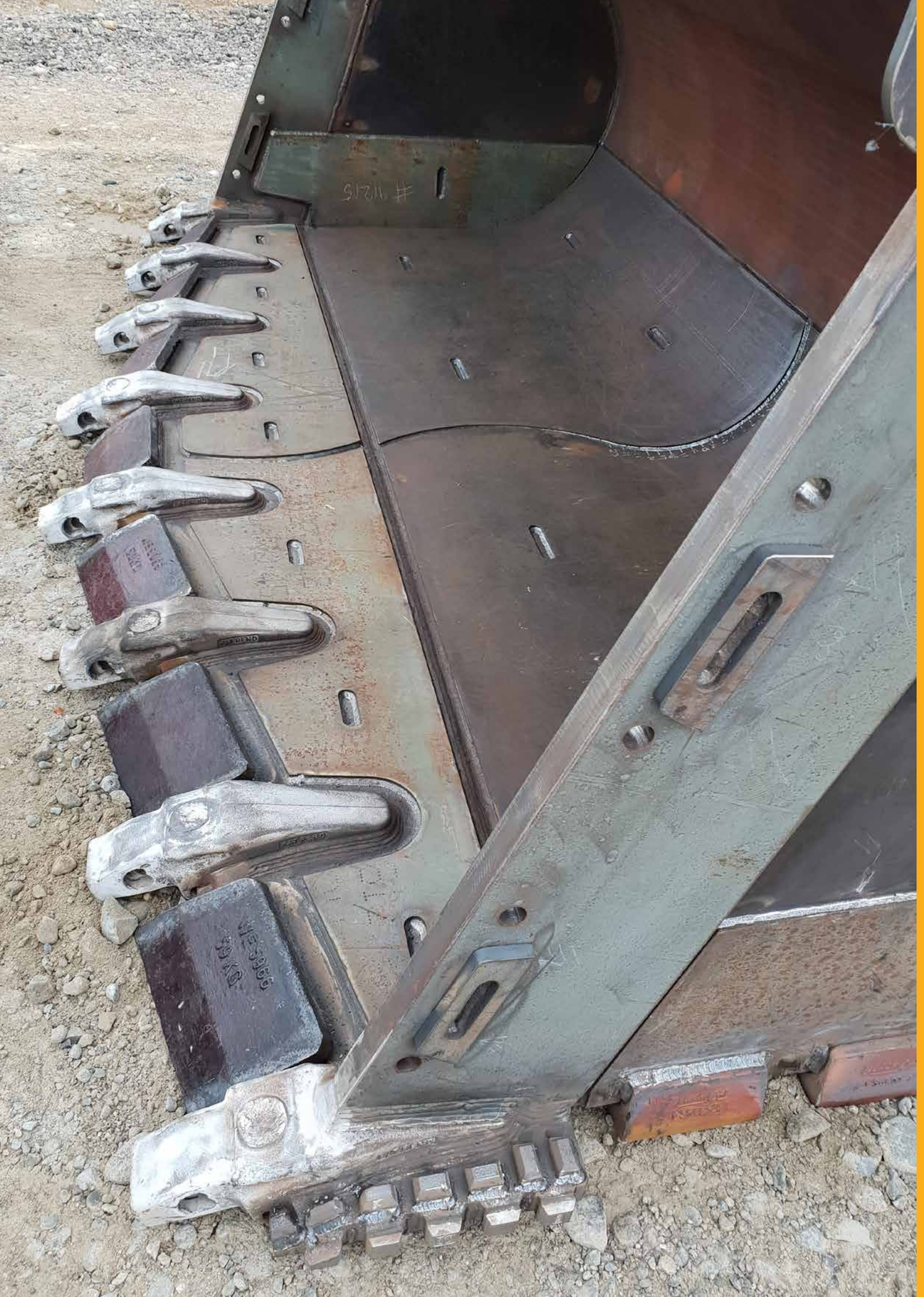
45-55 TONNE BULK CLEANING BUCKET

- 3.0m³ SAE heaped capacity
- 2500mm wide
- 110mm pins fitted
- Bolt-on Cutting Edge fitted
- Underside wear strips fitted
- Part No. TBA-51.25-SEV2

Pins can be modified to suit different fitments.

Half-arrow bolt-on Cutting Edge option for longer wear life

Adapters & teeth can be fitted for extra penetration

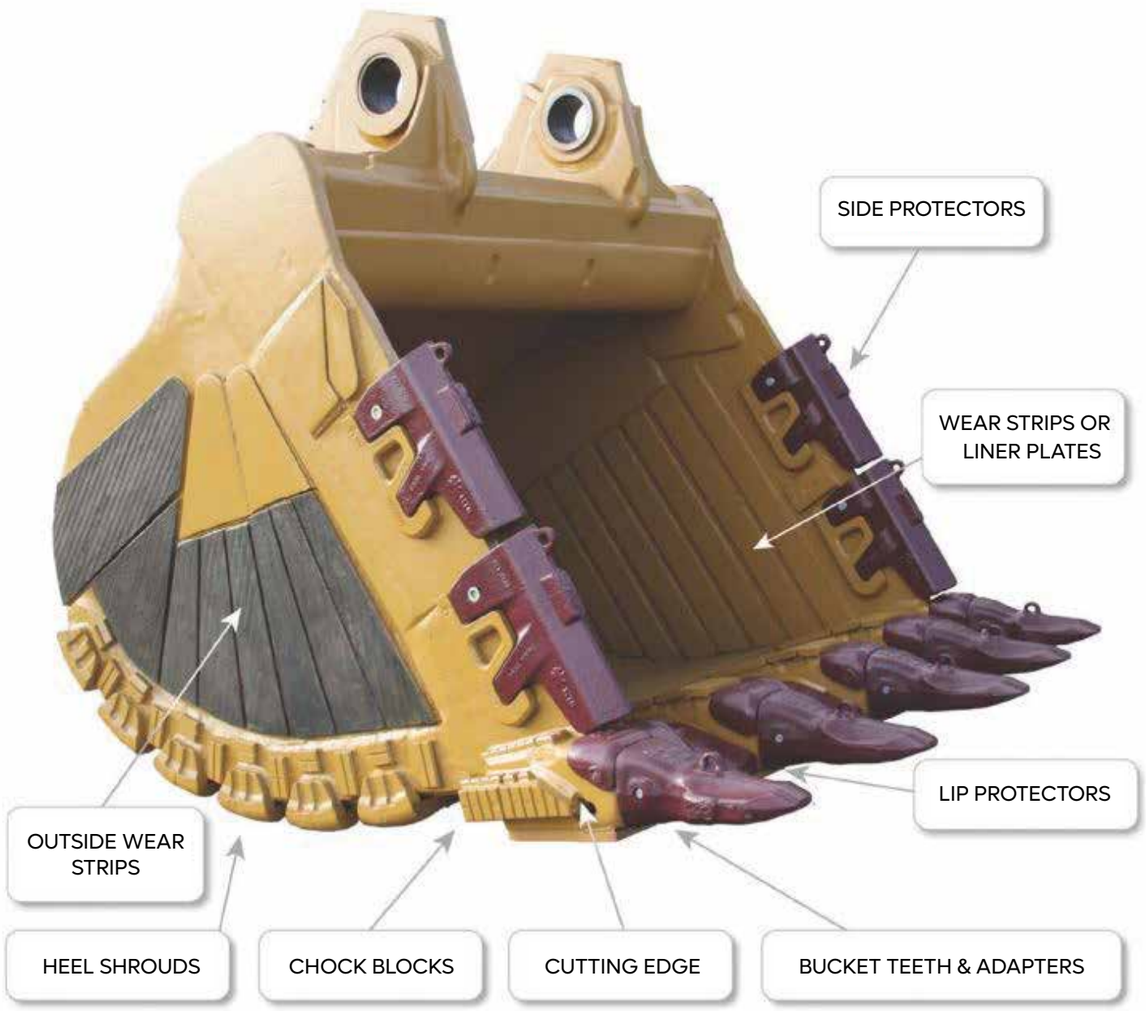


BUCKET & BLADE PROTECTION

Armour up your gear to protect from wear & tear with our large range of wear protection products.

“Pin-on & weld-on options”

G.E.T BETTER BUCKET
WEAR PERFORMANCE



WEAR PROTECTION RANGE
BUCKET & BLADE PROTECTION

A LARGE RANGE OF HIGH QUALITY, WEAR PROTECTION PRODUCTS ARE AVAILABLE TO PROTECT YOUR BUCKETS & BLADES FROM WEARING AWAY

HEEL SHROUDS

A range of weld-on and bolt-on Heel Shrouds available for 10-400 tonne size Buckets

LIP PROTECTORS

Weld-on and pin-on Lip Protectors available for 10-400 tonne size Buckets

WEAR STRIPS

Profile cut wear strips and wear plates available for Bucket and Blade protection

CHOCK BLOCKS

Hardened Chock Block wear strips available in Rectan-gle and Knife edge shapes

SIDE PROTECTORS

Weld-on and pin-on Side Protectors available for 10-400 tonne size Buckets

BUCKET & BLADE LINERS

Rolled G450 or Chromium Carbide liner plates available to suit any size Bucket or Blade

HEEL SHROUDS

WELD-ON HEEL SHROUDS

BUCKET & BLADE PROTECTION

PROTECT YOUR BUCKETS WITH THESE WELD-ON HEEL SHROUDS, AVAILABLE FOR ALL TYPES OF EXCAVATOR BUCKETS, UP TO 400 TONNE SIZE

Fig.1

Fig.2

Fig.3

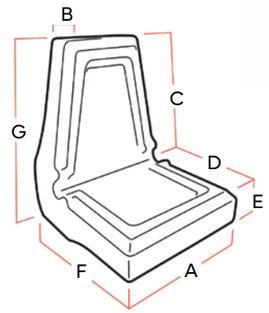


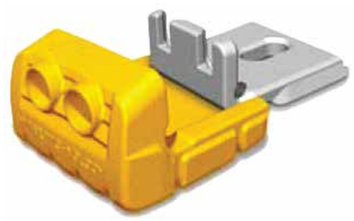
Fig.4

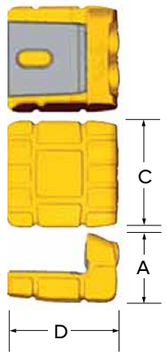
Fig	Part No	A	B	C	D	E	F	G	Machine Size	Kg
1	ES6697-4	190	18	65	140	30	178	102	10-20 Tonne	10
2	MM170BHS	165	25	77	145	43	185	143	25-60 Tonne	12
3	BHS150	150	40	150	125	40	185	210	60-120 Tonne	16
4	MM260BHS	250	40	120	185	56	228	177	60-120 Tonne	27
4	MM350BHS	350	50	150	240	50	240	200	200-400 Tonne	45

All measurements in millimetres

BOLT-ON HEEL SHROUDS

GET FASTER CHANGEOVER TIMES & REDUCE DOWNTIME WITH THESE BOLT-ON HEEL SHROUDS. AVAILABLE FOR LARGE EXCAVATOR BUCKETS UP TO 400 TONNE



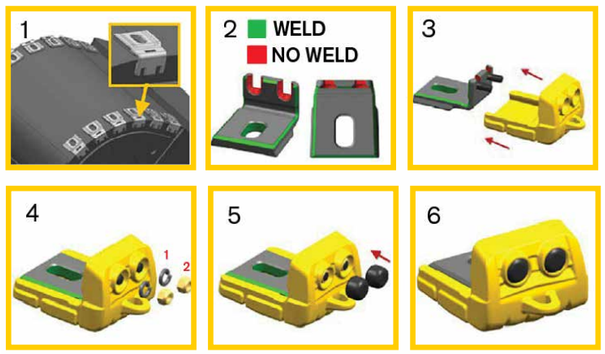


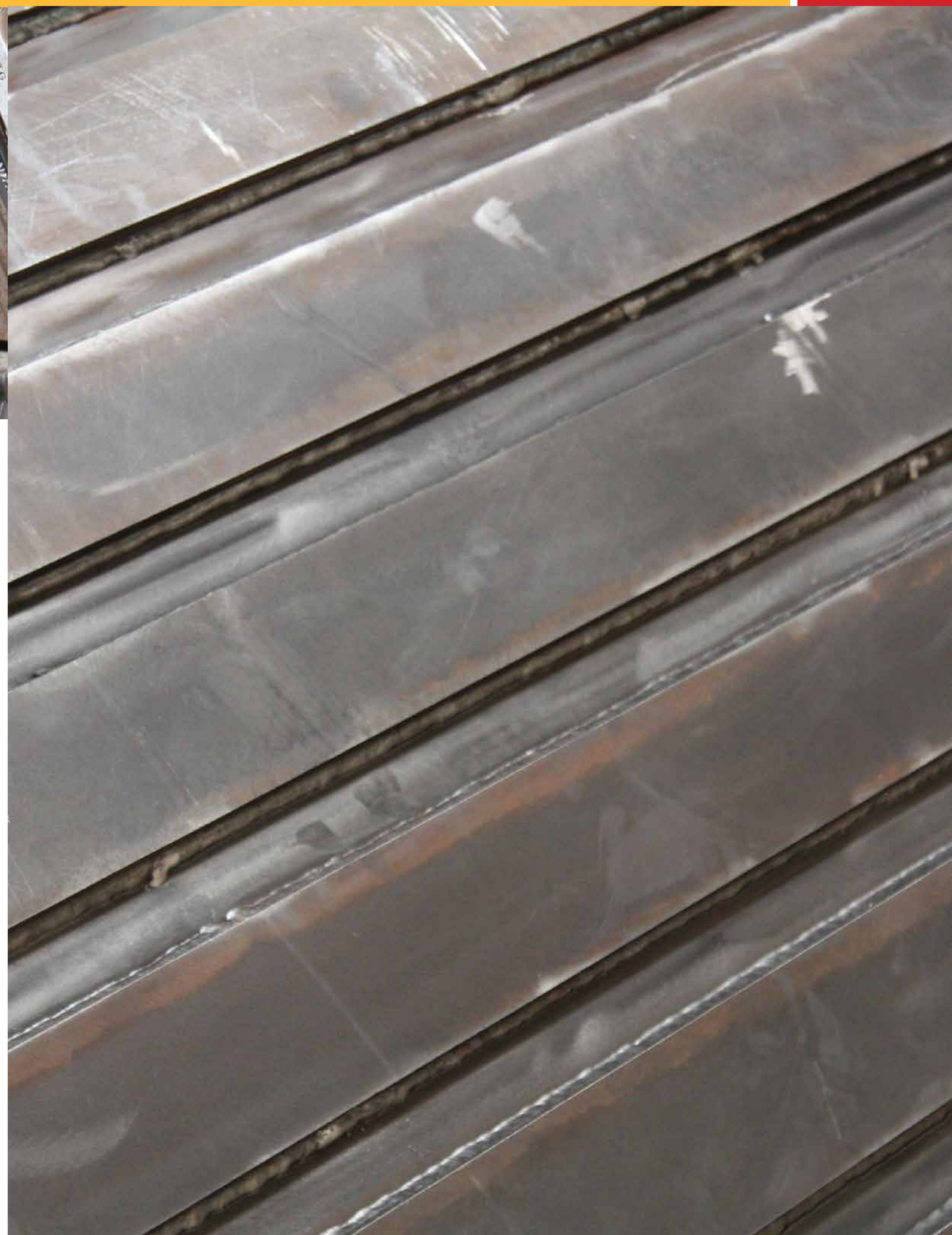
Part No	A	B	C	D	Machine Size	Kg
F89 HSQR	233	89	260	325	200-400 Tonne	62

All measurements in millimetres

ASSEMBLY INSTRUCTIONS

1. Tack the base plates onto the Bucket at even spaces
2. Pre heat and fully weld base plates. Only weld the areas indicated
3. Insert the bolts and slide the heel shrouds on
4. Insert washers and tighten nuts to correct torque setting
5. Insert rubber caps
6. Ready to go





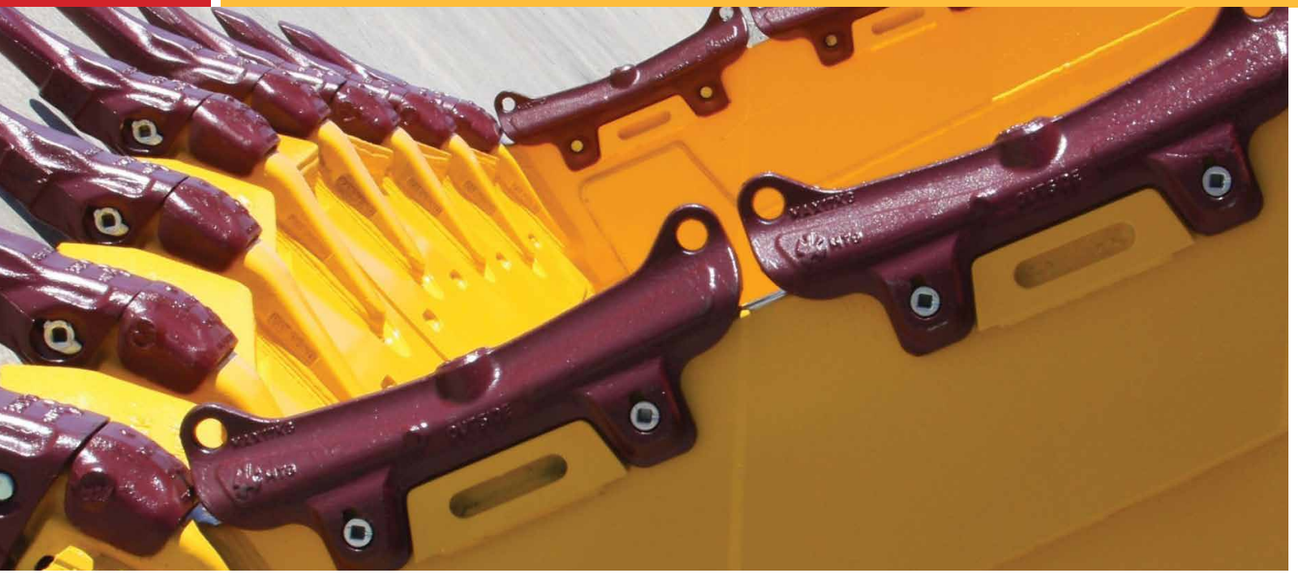
LESS WEAR & TEAR

ARMOUR UP YOUR BUCKETS & BLADES WITH PROFILE CUT WEAR STRIPS

- Wear Strips can be used inside and outside of Excavator & Loader Buckets and on Dozer Blades
- Available in 450HB abrasion-resistant steel or Chromium Carbide overlay plate. Profile cut to any length or width
- Thickness range available from 6mm - 50mm

Standard Wear Strip Sizes	
Part No	Size
G450-10_2500X80_WS	2500x80x10
G450-12_2500X80_WS	2500x80x12
G450-16_2500X100_WS	2500x100x16
G450-16_2500X125_WS	2500x125x16
G450-20_2500X125_WS	2500x125x20

All measurements in millimetres



PROTECT YOUR BUCKETS & INCREASE CAPACITY

GET THESE HEAVY DUTY, MTG HAMMERLESS SIDE PROTECTORS ON YOUR BUCKETS TO INCREASE CAPACITY, WEAR LIFE & PRODUCTIVITY

- **GUARANTEED SAFETY**
  No more bang in pins with the MTG hammerless twist pin system
- **LONGER WEAR LIFE**
  Reversible fitment for the longest possible wear life
- **NO MORE BROKEN PROTECTORS**
  Heavy duty design for extra strength and impact resistance
- **REDUCED DOWNTIME**
  Faster on site changeovers with the pin-on design
- **INCREASED CAPACITY**
  Get more material in your Bucket and maximise production

MTG is the world's most trusted G.E.T system

Get a fully hammerless wear package on your Bucket today!

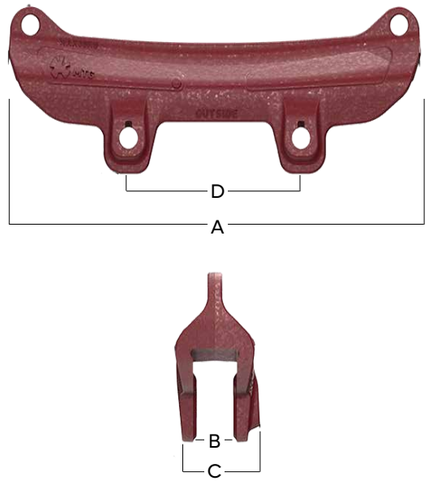
MTG SYSTEMS PROMET

MTG PROMET SIDE PROTECTORS

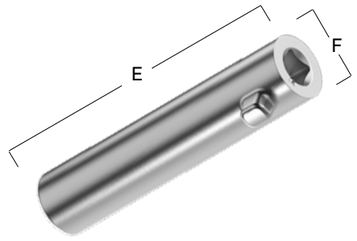
BUCKET & BLADE PROTECTION

A RANGE OF MTG PROMET PROTECTORS ARE AVAILABLE TO SUIT ALL SIZES OF EXCAVATOR & LOADER BUCKETS WITH 30-90MM SIDE WALL THICKNESS

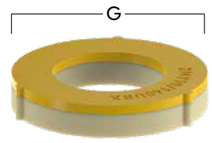
Side Protector



Weld-on Base



Pin



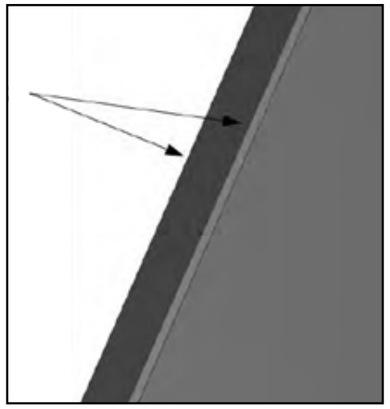
Retainer

Twist Tool

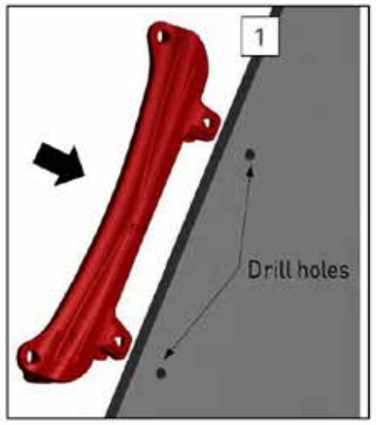
Part No	Item	A	B	C	D	E	F	G	Kg
4MY30U480	Side Protector	480	34	85	250	-	-	-	15
4MY40U480	Side Protector	480	42	85	250	-	-	-	15
4MY50U600	Side Protector	600	53	112	250	-	-	-	30
4MY60U600	Side Protector	600	63	115	250	-	-	-	39
2MY30/40UP	Pin	-	-	-	-	78	24	-	-
2MY50/60UP	Pin	-	-	-	-	103	24	-	-
2MY30/60UR	Retainer	-	-	-	-	-	-	46	-
1MY30/60UWB	Weld-on Base	-	-	-	-	-	-	-	-
3MT38-12	Twist Tool	-	-	-	-	-	-	-	-

All measurements in millimetres

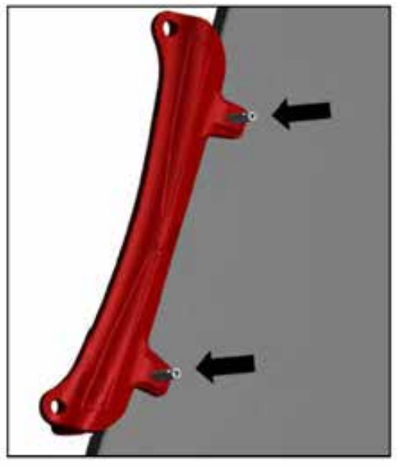
FITTING INSTRUCTIONS FOR CONSTRUCTION SIZE MTG PROMET PROTECTORS

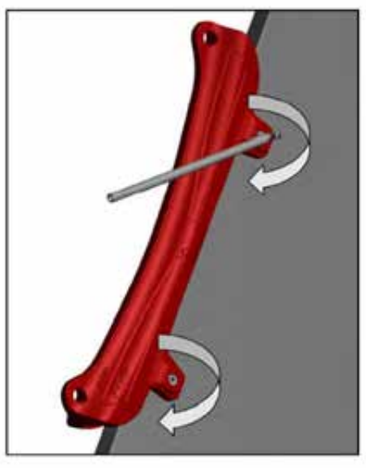


1.) Grind a 3mm x 3mm chamfer on both corners of the Bucket side, along the whole length of Protector



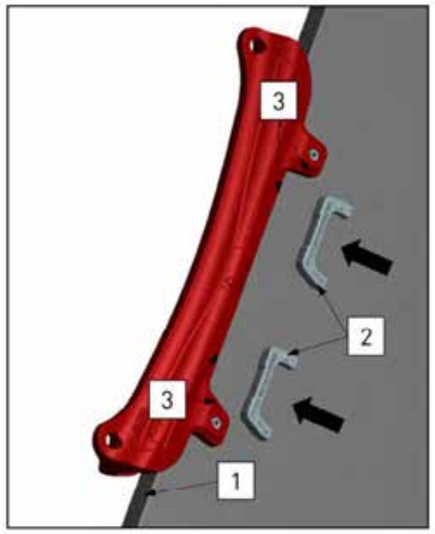
2.) Place Protector on the Bucket side wall, 5-10mm above the adapter wear cap. Ensure Protector is hard against the front of Bucket side (1) and mark the hole centres. Drill holes at 28mm diameter +/- 1mm

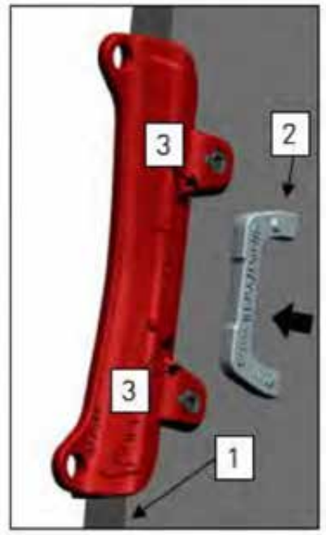




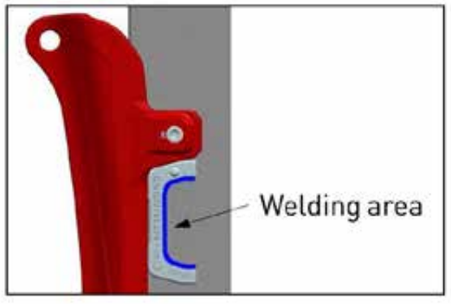
3.) After drilling the holes, insert both pins and turn clockwise until they stop

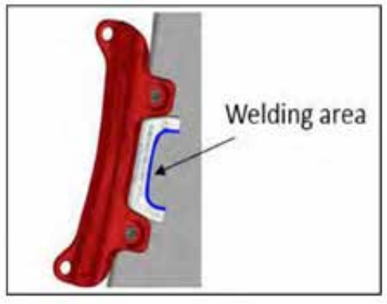
FITTING INSTRUCTIONS FOR CONSTRUCTION SIZE MTG PROMET PROTECTORS CONT...





4.) Pre-heat the Bucket side to the recommended temperatures and position the weld-on bases (2), until they come into contact with the legs of the Protector (3). Make several tack welds on the back of each base





5.) Proceed with the welding of each weld-on base at the designated welding area

6.) After completing the welding process, remove the Protector and place the sponge retainers into the internal recess. The hard side of the retainer must be facing the outside edge of Protector

7.) Fit Protector onto the Bucket side, insert both pins and turn clockwise until they stop

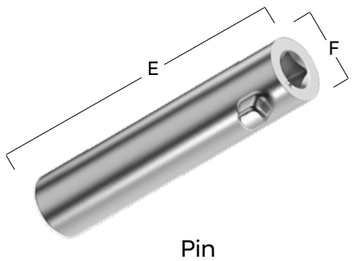
Ready to go!

MTG PROMET SIDE PROTECTORS

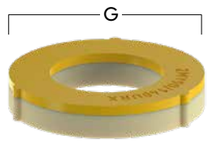
HEAVY DUTY, MTG PIN-ON SIDE PROTECTORS FOR LARGE MINING BUCKETS, WITH MAXIMUM WEAR PROTECTION & SAFETY WITH HAMMERLESS PIN TECHNOLOGY

Side Protector

Weld-on Base



Pin



Retainer

Twist Tool

Part No	Item	A	B	C	D	E	F	G	Kg
4MY90U626X	Side Protector	340	626	189	91	-	-	-	130
2MY90UPX	Pin	-	-	-	-	177	44	-	-
2MY90/140URX	Retainer	-	-	-	-	-	-	80	-
1MY90UWBX	Weld-on Base	-	-	-	-	-	-	-	-
3MT12-34	Twist Tool								

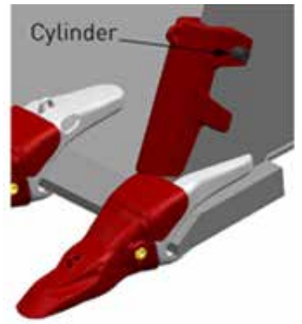
All measurements in millimetres

MTG PROMET SIDE PROTECTORS

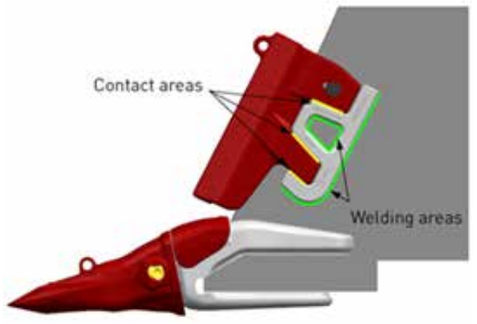
BUCKET & BLADE PROTECTION

FITTING INSTRUCTIONS FOR MINING TYPE MTG PROMET PROTECTORS

1.) Place the Protector on the Bucket side wall, 5-10 mm above the adapter wear cap. Ensure Protector is hard against the front of Bucket side and mark the hole centre

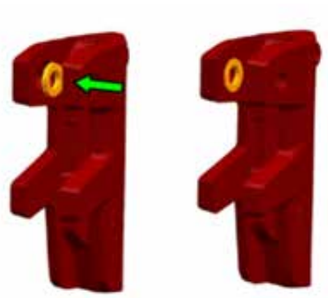


2.) Remove Protector and drill the hole at 50mm diameter +/- 1mm. Fit Protector, insert the pin and turn clockwise



3.) Place the weld-on base into position, ensuring contact at the areas shown. Pre heat Bucket side and tack base plate in place. Repeat on other side.

4.) Remove Protector and fully weld the base plates on both sides, only welding at the areas shown



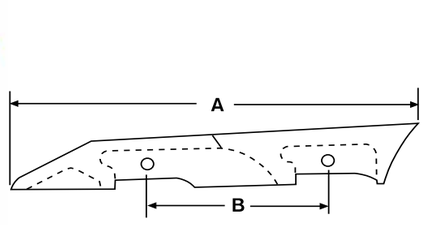
5.) Fit the sponge retainers inside the Protectors. The hard side of the retainer must be facing the outside edge of Protector. Fit onto Bucket, insert pin and turn clockwise until it stops. Ready to go!

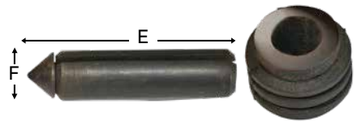
HENSLEY STYLE SIDE PROTECTORS

INCREASE YOUR BUCKET CAPACITY & REDUCE WEAR WITH THESE PIN-ON SIDE PROTECTORS. AVAILABLE TO SUIT CONSTRUCTION SIZE EXCAVATOR & LOADER BUCKETS

Protector

Weld-on Mount





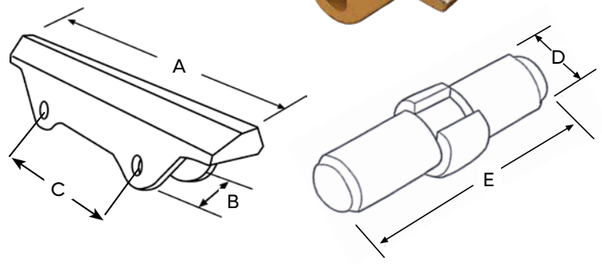
Pin & Retainer

Part No	Item	A	B	C	D	E	F	Kg
HENVS450	Protector	765	345	-	-	-	-	20
HENVS500	Protector	840	410	-	-	-	-	32
HENVSM150WN	Mount	-	-	87	44	-	-	6
HENVSM200WN	Mount	-	-	87	54	-	-	6
HENVSP2-SL	Pin	-	-	-	-	78	20	-
HENVSP3-SL	Pin	-	-	-	-	103	20	-
HENVSR3-SL	Retainer	-	-	-	-	-	-	-

All measurements in millimetres

KOMATSU STYLE SIDE PROTECTORS

PIN-ON KOMATSU STYLE SIDE PROTECTORS FOR LARGER EXCAVATOR BUCKETS & CAN ALSO BE USED ON DOZER BLADE SIDES AS WEAR PROTECTION

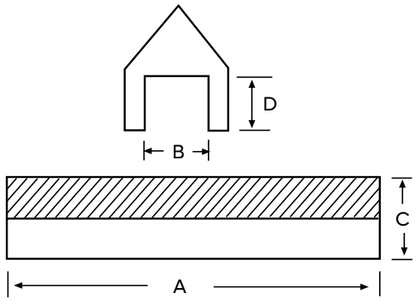


Part No	Item	A	B	C	D	E	Kg
427-70-13611	Protector	655	50	300	-	-	30
195-78-71360	Pin Assembly	-	-	-	30	112	-

All measurements in millimetres

SLS SIDE PROTECTORS

A LIGHTWEIGHT, WELD-ON SIDE PROTECTOR FOR LOW WEAR APPLICATIONS. MULTIPLE PROTECTORS CAN BE USED UP THE BUCKET SIDE. HALF ARROW SHAPE FOR GOOD PENETRATION



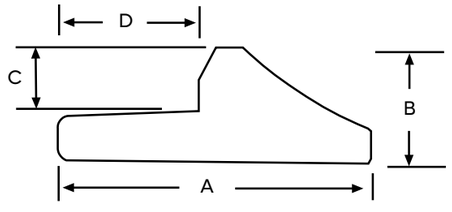
Part No	A	B	C	D	Kg
SLS20	300	21	47	25	2.1
SLS25	300	26	52	27	2.7
SLS32	300	33	70	37	4
SLS40	300	41	80	42	5.5

All measurements in millimetres

HALF ARROW SIDE PROTECTORS

HALF ARROW SHAPE, WELD-ON SIDE PROTECTORS FOR EXCAVATOR & LOADER BUCKETS

- Multiple Protectors can be used up the Bucket sides
- Half arrow shape for good penetration
- Increased Bucket capacity
- Can also be used for Lip Protectors between Bucket teeth



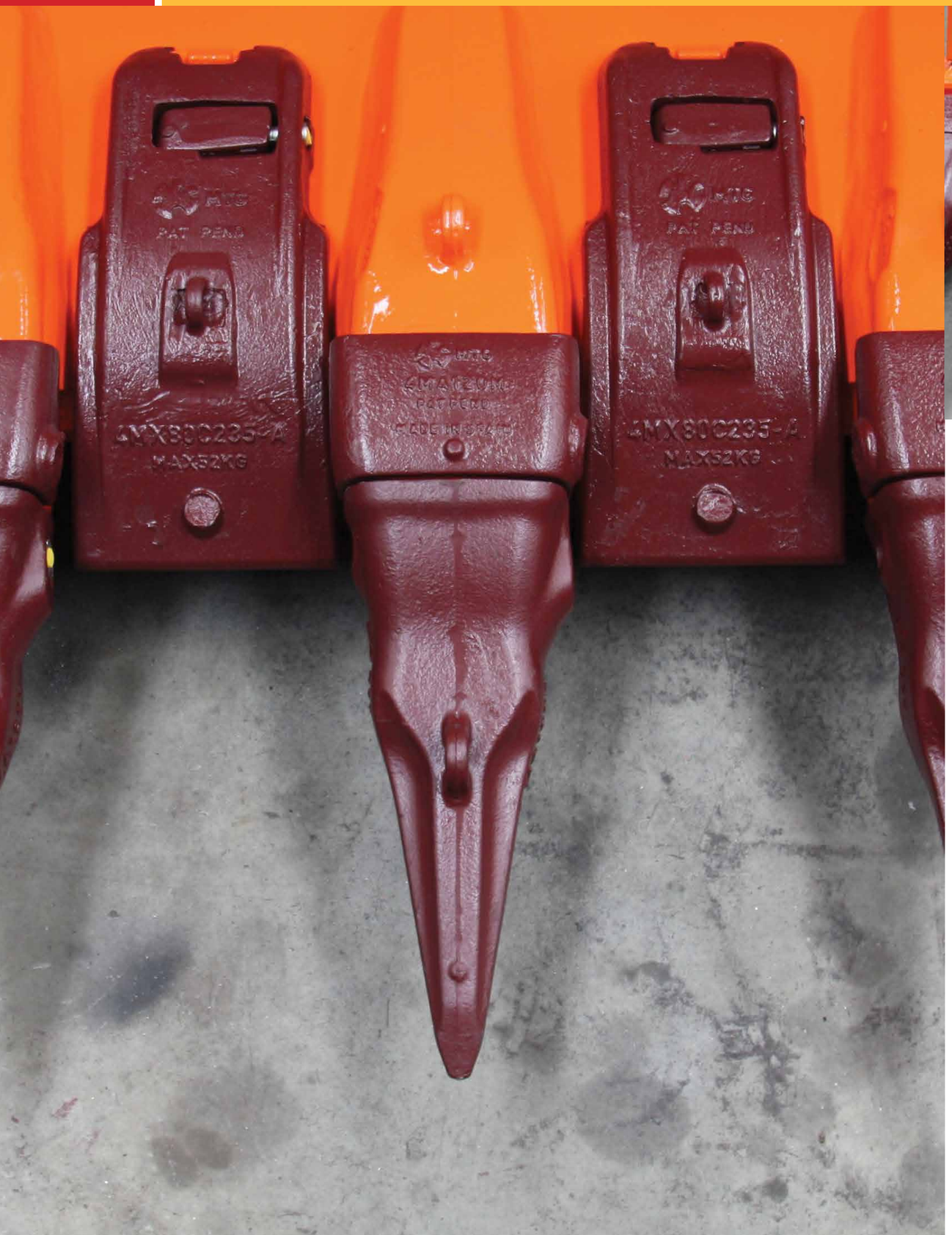
Part No	A	B	C	D	Length	Kg
6530103	85	28	15	35	150	1.4
6530153	130	44	25	60	265	6
6530173	160	54	30	75	300	10

All measurements in millimetres

MTG PROMET LIP PROTECTORS

MTG PROMET LIP PROTECTORS

BUCKET
& BLADE
PROTECTION



MAXIMISE YOUR BUCKET EDGE PROTECTION WITH THE MOST RELIABLE & LONGEST LASTING PIN-ON MTG LIP PROTECTORS. AVAILABLE FOR LARGE EXCAVATOR & LOADER BUCKETS UP TO 400 TONNE

FEATURES & BENEFITS

- Hammerless pin technology for the best retention and faster, safer changeovers
- The design of Promet Lip Protectors has been optimised for use on Excavators or Loaders and offer up to 30% more wear material compared to the equivalent model of our competitors
- Lip Protectors reduce the exposure of the Bucket edge to impacts and abrasions, increasing the useful life of the Bucket
- The locking system only requires one weld-on base for each Protector, making installation quick and easy

MTG SYSTEMS
PROMET

Excavator Protector

Loader Protector

New style fitmet with a Locking Assembly

Locking Assembly
Only compatible with the new 1MX70/90WB-B weld-on bases

Weld-on Base

Twist Tool

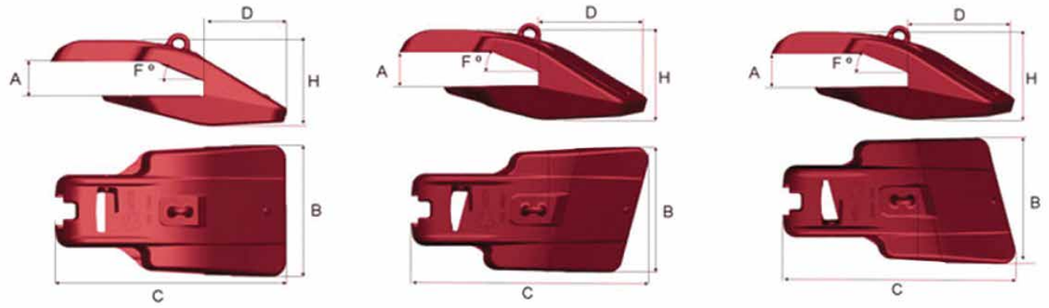
Lip Size	70-90mm	100-140mm
Item	Part No	Part No
New Style Weld-on Base	1MX70/90WB-B	1MX100/140WB-B
Locking Assembly	2MX70/90-B	2MX100/140-B
Twist Tool	3MT38-12	3MT12-34

All measurements in millimetres

MTG PROMET LIP PROTECTORS

BUCKET & BLADE PROTECTION

CENTRE (CTR) | LEFT HAND (LH) | RIGHT HAND (RH)



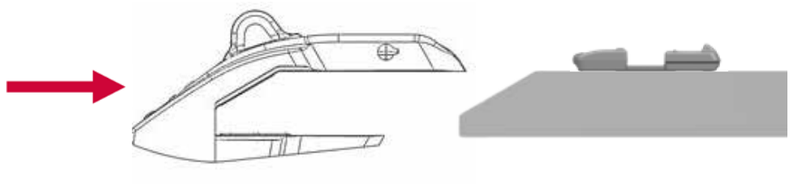
Lip Size	Part No.	Type	A	B	C	D	H	F	KG
70mm	4MXL70C450-A	CTR	72	450	498	151	198	30	99
	4MXL70L450-10A	LH	72	450	498	151	198	30	99
	4MXL70R450-10A	RH	72	450	498	151	198	30	99
80mm	4MX80C235-A	CTR	82	235	484	120	177	30	46
	4MX80L235-14A	LH	82	235	484	120	177	30	46
	4MX80R235-14A	RH	82	235	484	120	177	30	46
	4MX80C300-A	CTR	82	300	484	120	177	30	53
	4MX80L300-14A	LH	82	300	484	120	177	30	53
	4MX80R300-14A	RH	82	300	484	120	177	30	53
90mm	4MX90C320-A	CTR	92	320	494	125	188	30	58
	4MX90L320-14A	LH	92	320	494	125	188	30	58
	4MX90R320-14A	RH	92	320	494	125	188	30	58
100mm	4MX100C290-A	CTR	102	290	568	135	222	30	85
	4MX100L290-15A	LH	102	290	568	135	222	30	85
	4MX100R290-15A	RH	102	290	568	135	222	30	85
	4MX100C410-A	CTR	102	410	568	135	222	30	104
	4MX100L410-15A	LH	102	410	568	135	222	30	104
	4MX100R410-15A	RH	102	410	568	135	222	30	104
120mm	4MX120C410-A	CTR	122	410	618	157	251	30	128
	4MX120L410-15A	LH	122	410	618	157	251	30	128
	4MX120R410-15A	RH	122	410	618	157	251	30	128
	4MX120C440-A	CTR	122	440	618	157	251	30	133
	4MX120L440-11A	LH	122	440	618	157	251	30	133
	4MX120R440-11A	RH	122	440	618	157	251	30	133
140mm	4MX140C465-A	CTR	142	465	701	175	270	30	181
	4MX140L465-11A	LH	142	465	701	175	270	30	181
	4MX140R465-11A	RH	142	465	701	175	270	30	181

All measurements in millimetres

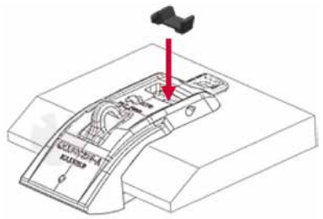
MTG PROMET LIP PROTECTORS

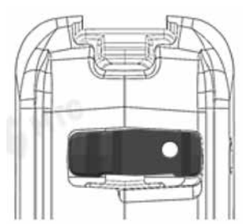
FITTING INSTRUCTIONS FOR MTG PROMET2 LIP PROTECTORS

1.) Insert the lip shroud on its station through the weld-on base by hoisting it with a crane and the lifting lug.



2.) Insert the mechanical block on its housing between the weld-on base and the shroud. At this stage, the shroud can no longer move.

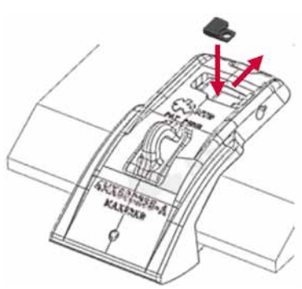


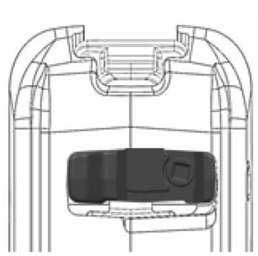


NOTE: Pay special attention at the position of the hole for the screw, it must be located at the right side, as the image shows.

3.) Insert the locking plate on its housing into the mechanical block and slide it towards the inside of the bucket until its hole and the one on the mechanical block are concentric.

Then insert the bolt and screw it until a torque of 150 Nm (110 lb. ft) is reached. Finally, insert the plug into the bolts head to prevent it from dirt.





PROTECT YOUR BUCKET EDGE FROM WEAR & TEAR WITH THESE WELD-ON LIP PROTECTORS. AVAILABLE TO SUIT MOST EDGE THICKNESSES & CAN BE CUT TO ANY WIDTH

Fig.1

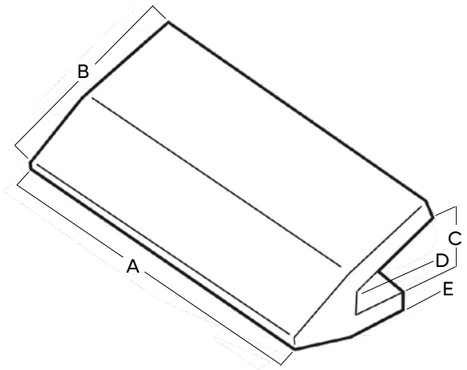


Fig.2

Fig	Part No	A	B	C	D	E	Edge Thickness	Kg
1	WS45	115	182	50	10	16	30-50	6
1	WS80	203	217	65	15	20	50-60	18
2	WE5966	800	180	80	28	25	50-80	60
2	WE6027	800	250	110	50	25	90-120	103

All measurements in millimetres

CHOCK BLOCK WEAR STRIPS

BUCKET & BLADE PROTECTION

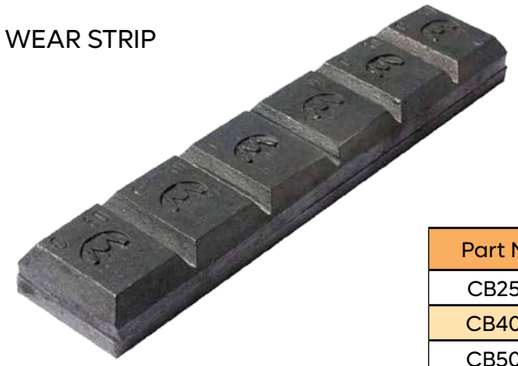
CHOCK UP YOUR WEAR PROTECTION

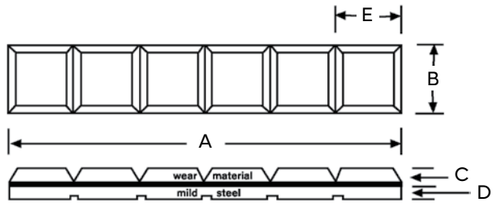
CHOCK BLOCKS ARE A QUICK & EASY WAY TO ARMOR UP YOUR BUCKETS & ARE AVAILABLE IN VARIOUS SHAPES & SIZES TO SUIT DIFFERENT APPLICATIONS

- Chock Blocks are combination of extremely hard alloy casting, bonded to a mild steel backing in the form of laminate
- This has an extreme hardness of 700HB which is a perfect solution for high wear areas where there are continuous abrasive effects from material flow and impact
- Chock Blocks are suitable for all types of Bucket protection and applications including side styles, Side Cutters, Lip Protectors, Adapter Caps, Cutting Edge ends, Bucket sides and on the leading edge of Ripper shanks
- Easy to weld with its mild steel backing plate

OUR RANGE OF CHOCK BLOCK TYPES & SIZES

WEAR STRIP

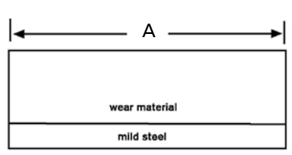


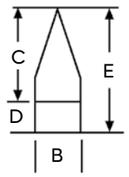


Part No	A	B	C	D	E	Kg
CB25B	240	25	15	8	40	1
CB40B	240	40	15	8	40	1.5
CB50B	240	50	15	8	40	2
CB65B	240	60	15	8	40	2.5
CB100B	240	100	15	8	40	4

All measurements in millimetres

KNIFE EDGE





Part No	A	B	C	D	E	Kg
E1301_QS	300	20	35	12	47	1.6
E1302_QS	300	25	35	12	47	2.2

All measurements in millimetres

LONG LASTING LINERS

MAKE YOUR BUCKETS & BLADES LAST LONGER BY USING LINER PLATES TO PROTECT THEM FROM WEARING AWAY

- Available in G450 Abrasion Resistant steel or Chromium Carbide Overlay plate
- Chromium Carbide plate retains a highly polished surface which is important for avoiding cross contamination of gravels and reducing material hang up especially in Loader Buckets
- Liner plates can be profile cut and rolled to suit the curve of any size Excavator & Loader Bucket, Dozer Blade or Grader Moldboard
- Liner plates are available in 5 - 20mm thickness
- Free on-site measure ups & advice

We use the hardest & toughest wear plate that survives the most extreme wear conditions

BUCKET & BLADE LINERS

BUCKET & BLADE PROTECTION

Loader Bucket Liners

Excavator Bucket Liners

Dozer Blade Liners

BUCKET TEETH & ADAPTERS

Get the world's most trusted hammerless Bucket Tooth system on your Excavator & Loader Buckets

"Never lose a Bucket tooth again"

BUCKET TEETH RANGE

WE STOCK THE LARGEST RANGE OF BUCKET TEETH IN NZ! AVAILABLE TO SUIT ALL MAKES AND MODELS OF EXCAVATORS AND LOADERS, WORKING IN CONSTRUCTION, QUARRYING AND MINING APPLICATIONS

MTG VEEMET TOOTH SYSTEM

The world's most trusted OEM tooth system for 50-400 tonne machines

ESCO CONICAL STYLE TEETH

A range of tooth styles for 1-40 tonne machines

CAT STYLE J-SERIES TEETH

A range of J-Series tooth styles for 5-50 tonne machines

HYUNDAI STYLE TEETH

A range of tooth styles for 10-30 tonne machines

DOOSAN STYLE TEETH

A range of tooth styles for 10-30 tonne machines

KOMATSU STYLE TEETH

A range of tooth styles for 10-60 tonne machines

MTG VEEMET TOOTH SYSTEM

THE NEXT GENERATION OF TOOTH SYSTEM WITH ENHANCED STABILITY, OPTIMISED LOCKING AND INCREASED PENETRATION.

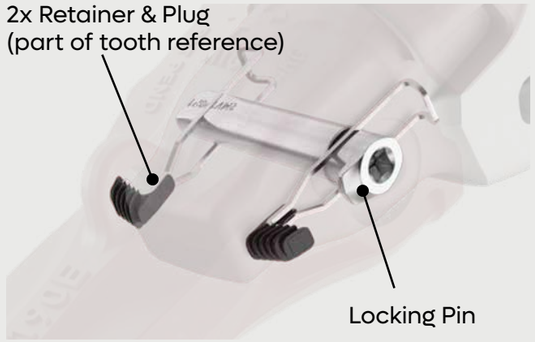
ASSEMBLY

- Hammerless 2-step assembly for utmost safety and efficiency
- Acoustic locking confirmation for maximum reliability
- Pin can be inserted from both sides offering better accessibility
- All parts with weight indications and those over 15 kg include lifting eyes to facilitate operations and avoid injuries
- QR-Code for up-to-date product info

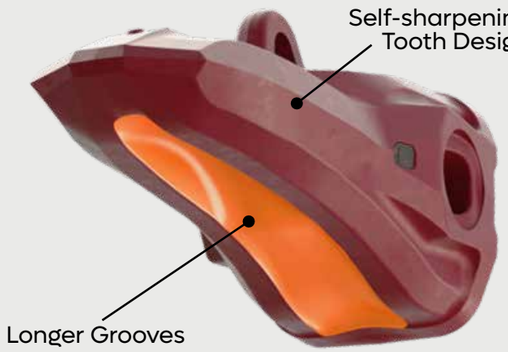
DISASSEMBLY

- Hammerless disassembly for utmost safety
- Only 2-steps for quick tooth changeouts
- Easy pin extraction even in compacted terrains

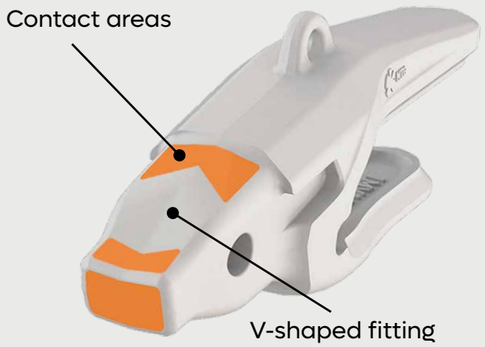
MTG VEEMET TOOTH SYSTEM



- Optimised locking with reduced parts
- Hammerless tooth assembly in only 2 steps
- Incomparable ease and safety



- Slimmer teeth with longer grooves
- Improved penetration capabilities
- Self-sharpening tooth designs throughout their wear life



- V-shaped fitting for better stability
- Reduced plastic deformation and max wear life
- Optimised locking with reinforced pin

- Wide product range with new and improved tooth designs
- Efficient GET solutions for all excavator and loader applications in Construction, Quarrying and Mining.

- QR-Code puts up-to-date product information at your fingertips

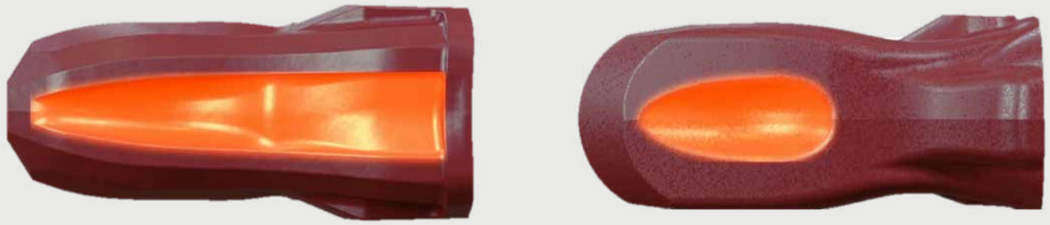
VEEMET			STARMET
Quick and easy 2-step assembly with acoustic locking confirmation	2	4	4 assembly steps without acoustic locking confirmation
V-shaped fitting with better load resistance	✓	✗	Simple load resistance
Reinforced pins and tooth integrated retainers	✓	✗	Pin and retainer to be assembled separately
Pin can be inserted from both sides	✓	✗	Only possible for construction sizes
Dual-pin option for highly compact terrains	✓	✗	No dual-pin option available
5% slimmer nose with 80% more contact area	✓	✗	Less nose contact area
Self-sharpening tooth designs with longer grooves for better penetration	✓	✗	Teeth with shorter grooves
Wear caps with better wear material ratio and wear indicators	✓	✗	Wear caps without wear indicators
Compatible with MTG's GET DETECTION	✓	✗	Not compatible with MTG's GET DETECTION
QR-code for product specific information	✓	✗	No QR-code available

- V-shaped fitting with better load resistance
- 5% slimmer nose with 80% more contact area

MTG SYSTEMS / VEEMET

MTG SYSTEMS / STARMET

MTG VEEMET TOOTH SYSTEM



Self-sharpening tooth designs with longer grooves for better penetration.

MTG SYSTEMS / VEEMET

MTG SYSTEMS / STARMET

Wear caps with more wear material and cast-in wear indicators.

MTG SYSTEMS / VEEMET

MTG SYSTEMS / STARMET

Improved design of wear cap guides for less wear exposure and longer wear life.

MTG SYSTEMS / VEEMET

MTG SYSTEMS / STARMET

MTG VEEMET TOOTH RANGE

GET THE RIGHT TOOL FOR THE JOB

EXTRA (E)

Extra design for loose/ blasted and abrasive terrain that require good penetration

EXTRA-VECTOR (EV)

Extra-Vector design with very good penetration in terrains with high levels of impacts and abrasion

EXTRA X (EX)

Extra X design for loose /blasted and highly abrasive terrain that require good penetration

PENETRATION-ROCK (PR)

Penetration-Rock design with an optimal balance between penetration and resistance against high impacts

VECTOR (V)

Vector design for optimal penetration in extremely compact and non-abrasive terrains

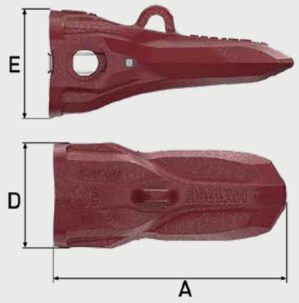
DOUBLE VECTOR (W)

Double Vector design for optimal penetration in extremely compact and non-abrasive terrains

Get in touch for availability, as not all styles may be in stock.

MTG VEEMET BUCKET TEETH

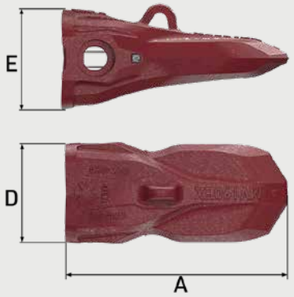
EXTRA (E) – EXTRA DESIGN FOR LOOSE/BLASTED AND ABRASIVE TERRAIN THAT REQUIRE GOOD PENETRATION.



PART NO	A	D	E	KG
MV130E	450.00	196.40	195.00	32.75
MV190E	492.00	216.00	214.00	48.30
MV250E	524.70	244.60	243.70	57.00
MV500E	571.00	272.50	277.00	83.50

All measurements in millimetres

EXTREME X (EX) – EXTRA X DESIGN FOR LOOSE/BLASTED AND HIGHLY ABRASIVE TERRAIN THAT REQUIRE GOOD PENETRATION.

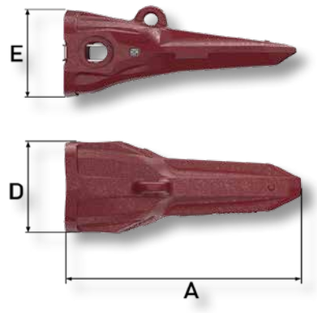


PART NO	A	D	E	KG
MV130EX	450	195	198.40	39.30
MA60EX	409	176	161	24.0
MA120EX	443	202	191	34
MA180EX	492	225	212	52
MA240EX	524	246	242	63

All measurements in millimetres

MTG VEEMET BUCKET TEETH

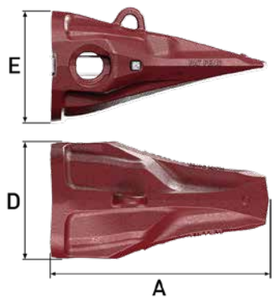
EXTRA VECTOR (EV) – EXTRA-VECTOR DESIGN WITH VERY GOOD PENETRATION IN TERRAINS WITH HIGH LEVELS OF IMPACTS AND ABRASION.



PART NO	A	D	E	KG
MV130EV	480.30	198.40	194.60	29.50
MV190EV	526.00	216.00	214.00	39.50
MV250EV	565.60	244.60	243.70	16
MV500EV	609.60	272.70	277.20	73.50

All measurements in millimetres

PENETRATION-ROCK (PR) – PENETRATION-ROCK DESIGN WITH AN OPTIMAL BALANCE BETWEEN PENETRATION AND RESISTANCE AGAINST HIGH IMPACTS.

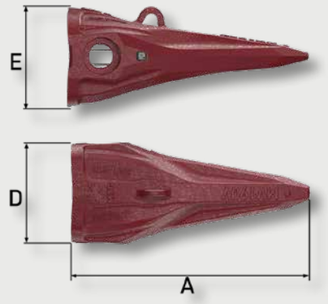


PART NO	A	D	E	KG
MV130PR	365.90	196.40	194.90	22.40
MV190PR	409.00	216.00	214.00	30.50
MV250PR	442.50	249.20	243.90	42.30
MV500PR	491.40	272.50	277.40	59.50

All measurements in millimetres

MTG VEEMET BUCKET TEETH

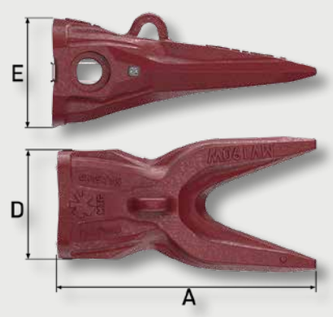
VECTOR (V) – VECTOR DESIGN FOR OPTIMAL PENETRATION IN EXTREMELY COMPACT AND NON-ABRASIVE TERRAINS.



PART NO	A	D	E	KG
MV130V	480.30	198.40	194.60	26.50
MV190V	525.00	216.00	214.00	37.20
MV250V	564.70	244.60	243.70	49.00
MV500V	609.70	272.70	277.10	71.00

All measurements in millimetres

DOUBLE VECTOR (W) – DOUBLE VECTOR DESIGN FOR OPTIMAL PENETRATION IN EXTREMELY COMPACT AND NON-ABRASIVE TERRAINS.

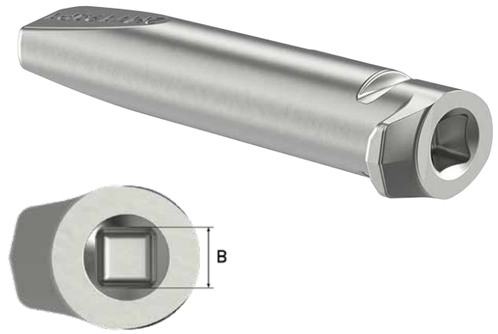


PART NO	A	D	E	KG
MV130W	479.60	196.40	194.60	36.30
MV190W	526.00	216.00	214.00	47.60

All measurements in millimetres

MTG VEEMET PINS

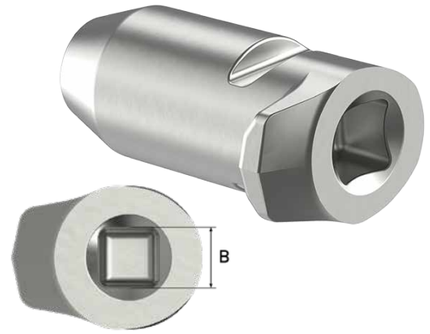
PIN



PART NO	B	KG
2MV130P1	13	1.16
2MV190P1	19	1.90
2MV250P1	19	2.38
2MV500P1	19	2.90

All measurements in millimetres

DUAL-PIN



PART NO	B	KG
2MV130P2	12.70	0.60
2MV190P2	19.05	0.90
2MV250P2	19.05	1.20
2MV500P2	19.05	1.50

All measurements in millimetres

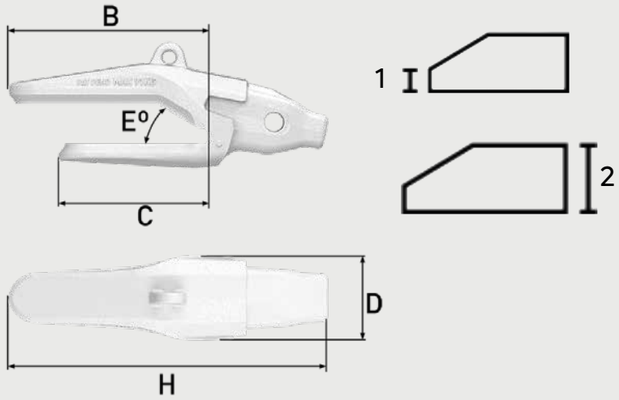
REMOVAL TOOL

PART NO	B	E	KG
3MT12-34	13	19	1.90

All measurements in millimetres

MTG VEEMET ADAPTERS

CENTRAL WELD-ON ADAPTER

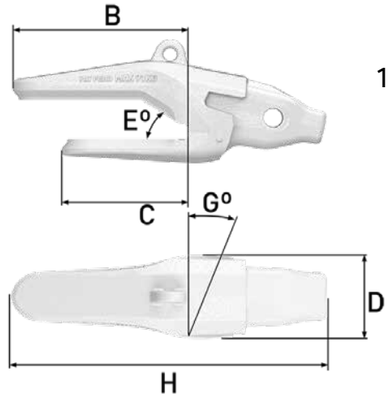


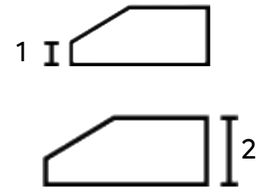
PART NO	B	C	D	H	E	1	2	KG
1MV130WC70	432.90	332.20	177.40	644.30	30°	17	70	57.95
1MV130WC80	412.30	311.60	177.40	644.30	30°	25	80	56.00
1MV130WC90	412.30	311.60	177.40	644.30	30°	31	90	55.70
1MV190WC100	459.00	344.00	196.00	735.00	30°	34	100	77.00
1MV190WC90	459.00	344.00	196.00	735.00	30°	31	90	78.50
1MV250WC100	500.20	374.70	225.40	800.50	30°	34	100	112.50
1MV250WC120	500.20	374.70	225.40	800.50	30°	43	120	109.50
1MV500WC100	559.00	416.00	248.00	890.60	30°	34	100	160.30
1MV500WC120	559.00	416.00	248.00	890.60	30°	43	120	158.00
1MV500WC140	559.00	416.00	248.00	890.60	30°	46	140	153.00

All measurements in millimetres

MTG VEEMET ADAPTERS

LEFT DELTA ADAPTER

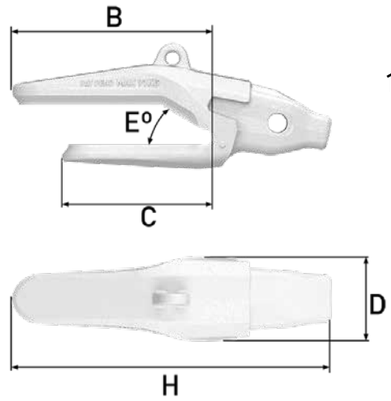


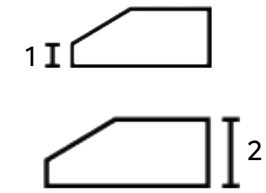


PART NO	B	C	D	H	E	G	1	2	KG
1MV130WLD80	412.30	311.60	177.40	644.30	30°	15°	25	80	57.00
1MV190WLD90	409.00	294.00	196.00	735.00	30°	15°	31	90	80.30
1MV250WLD100	442.50	317.00	225.40	800.50	30°	15°	34	100	112.50

All measurements in millimetres

RIGHT DELTA ADAPTER



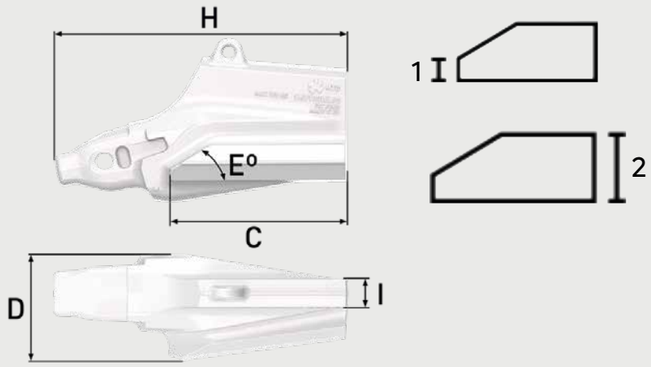


PART NO	B	C	D	H	E	G	1	2	KG
1MV130WRD80	412.30	311.60	177.40	644.30	30°	15°	25	80	57.00
1MV190WRD90	409.00	294.00	196.00	735.00	30°	15°	31	90	80.30
1MV250WRD100	442.50	317.00	225.40	800.50	30°	15°	34	100	112.50

All measurements in millimetres

MTG VEEMET ADAPTERS

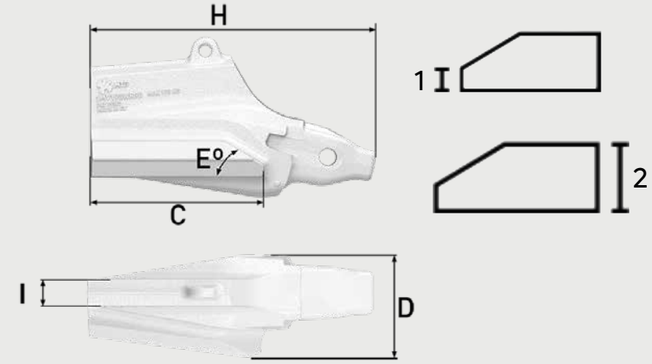
LEFT CORNER ADAPTER



PART NO	C	D	H	E	I	1	2	KG
1MV190WL90	449.00	267.00	739.00	30°	70.00	31	90	175.00
1MV250WL120	472.00	302.00	803.90	30°	70.00	43	120	251.00
1MV500WL140	574.00	329.60	927.00	30°	90.00	46	140	370.00

All measurements in millimetres

LEFT CORNER ADAPTER

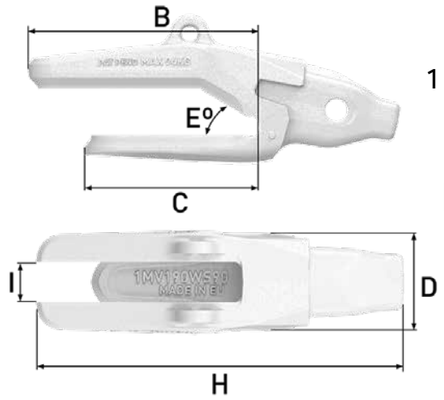


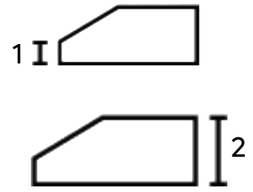
PART NO	C	D	H	E	I	1	2	KG
1MV190WR90	449.00	267.00	739.00	30°	70.00	31	90	175.00
1MV250WR120	472.00	302.00	803.90	30°	70.00	43	120	251.00
1MV500WL140	574.00	329.60	927.00	30°	90.00	46	140	370.00

All measurements in millimetres

MTG VEEMET ADAPTERS

STRADDLE ADAPTER



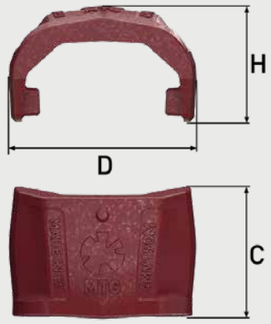


PART NO	B	C	D	H	E	I	1	2	KG
1MV190WS90	453.00	344.00	194.00	729.00	30°	80°	31	90	80.50
1MV190WS100	453.00	344.00	194.00	729.00	30°	80°	34	100	79.00
1MV250WS100	489.10	374.70	225.20	798.50	30°	80°	34	100	117.00
1MV500WS120	552.00	416.00	247.60	884.00	30°	95°	43	120	164.30
1MV500WS140	552.00	416.00	247.60	884.00	30°	90°	46	140	153.20

All measurements in millimetres

MTG VEEMET ADAPTER WEAR CAPS

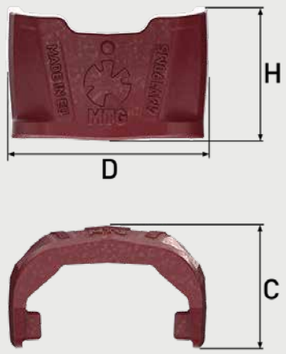
WEAR CAP FOR CENTRAL ADAPTER



PART NO	C	D	H	KG
4MV130M	137.10	195.60	120.00	6.47
4MV190M	152.00	216.00	130.00	8.50
4MV250M	174.50	248.30	157.20	12.50
4MV500M	191.80	277.80	173.10	16.50

All measurements in millimetres

WEAR CAP FOR STRADDLE ADAPTER



PART NO	C	D	H	KG
4MV190MS	129.00	216.00	143.00	7.25
4MV250MS	157.00	248.00	175.00	11.62
4MV500MS	175.30	277.80	192.10	16.00

All measurements in millimetres

MTG PREMIUM QUALITY STEELS

OUR STEELS

Specially designed to resist the highest mechanical stresses in service, MTG Steels maximise the hardness-toughness binomial thanks to their low level of impurities and the transformation achieved in our specific heat treatments.

They are medium carbon and low alloy steels, manufactured with the most advanced production techniques at the level of cast steels and iron and steel. Thanks to the exhaustive control of their composition and extensive refining processes in electric arc furnaces and AOD converters, we ensure that our parts have low levels of non-metallic inclusions and dissolved gases. With this, we significantly improve their quality, providing them with a longer life and less breakage.

PROPERTIES OF MTG STEELS

The most important characteristic of MTG steels is their ability to resist wear and impact. Thanks to this, our products last longer and the risk of breakage is minimised.

During their use, the tooth steels are subjected, on a macroscopic level, to high static loads and strong impacts that can cause them to break, and to repetitive mechanical stresses that can lead to their breakage due to fatigue fractures.

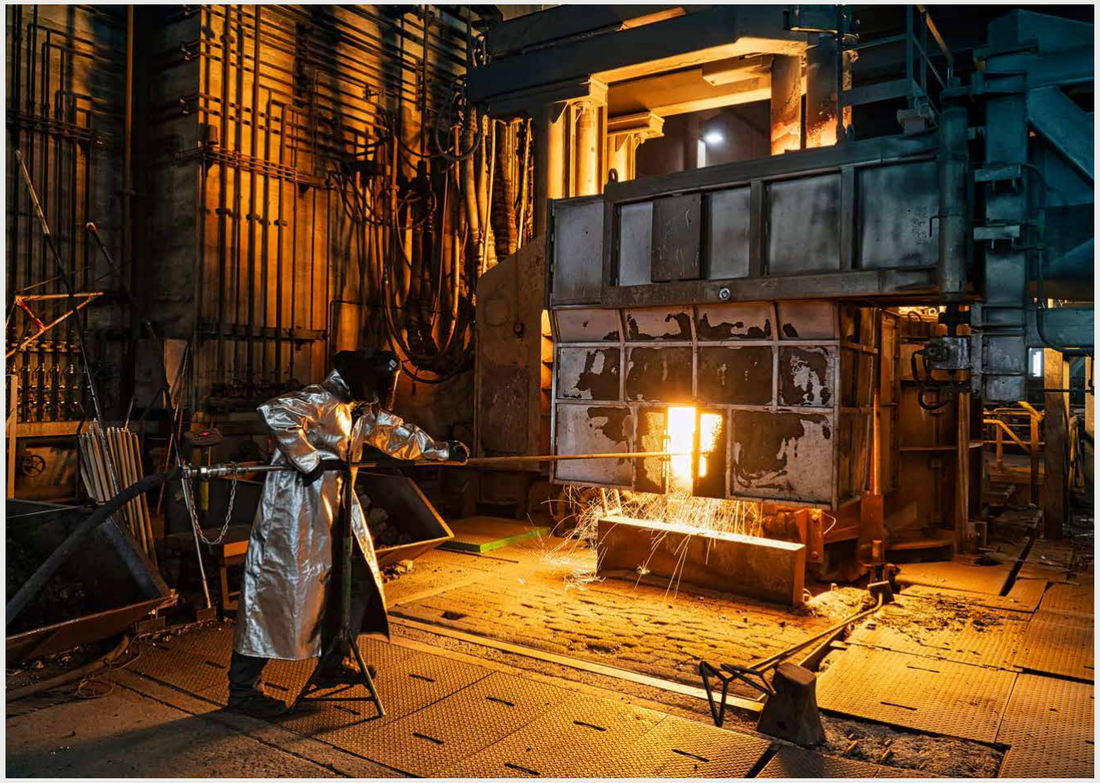
At a microscopic level and due to the interaction with the ground, the surface of the parts undergoes high pressures and temperatures, as well as deformations and repetitive impacts that cause their gradual wear.

This wear is a complex phenomenon and is affected by many variables that are difficult to measure, depending on the type of terrain (hardness, compaction, granulometry, angularity, etc.), the type of application or the type of work (geometric shape of the part and the pressure it receives, angle of attack, speed, etc.), and even, the climatic conditions (corrosion phenomena).

Of the different types of wear that are known, the one experienced by our parts is fundamentally of the abrasive type. In its interaction with the ground, the steel of the surface of the teeth and adapters is severely deformed until it becomes detached.

service conditions, in addition to high hardness, other properties of the steel are necessary to ensure maximum resistance to wear.

In demanding applications where operating conditions involve high pressures and impacts between parts and the ground, high toughness is also required to ensure maximum resistance to wear.



HOW DO MTG STEELS ACHIEVE MAXIMUM WEAR RESISTANCE?

1. THROUGH THE OPTIMAL BALANCE BETWEEN ITS MAIN PROPERTIES

Hardness is the property of steel that has traditionally been correlated with the in-service behaviour of wear parts. The greater the hardness of the steel, the greater the resistance to wear and tear and the longer the life of the parts.

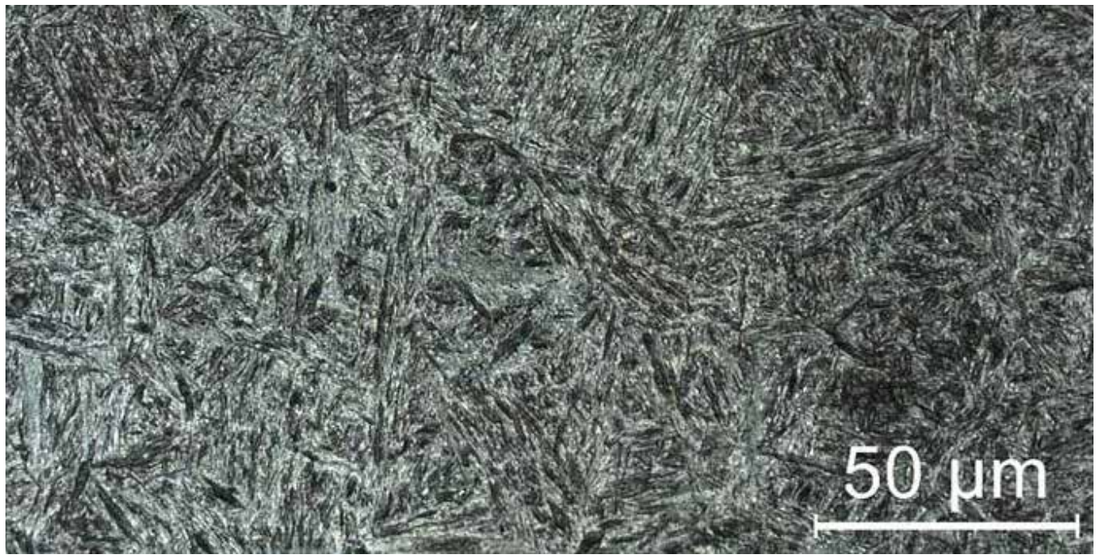
This classic view is correct for those service conditions in which the pressures between the parts and the ground are low or moderate. However, numerous field tests and laboratory trials carried out with the most prestigious universities and institutions show that, under certain

2. HARDNESS

The hardness of a steel is defined as the resistance to penetration and scratching. The carbon content of a steel determines, almost exclusively, the maximum hardness it can reach. An effective heat treatment and sufficiently severe hardening allow this maximum hardness to be developed both on the surface and in the core of the parts. MTG steels guarantee a high level of hardness, the result of a carefully studied composition and a specific treatment specially developed by MTG.

3. TOUGHNESS

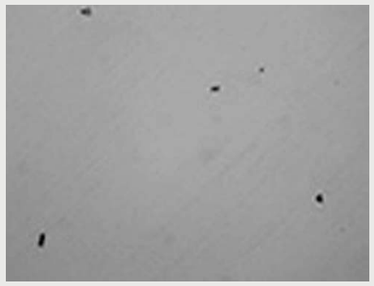
The toughness of a steel is a measure of its resistance to breakage when subjected to an impact. In a broad sense, it also indicates a material's ability to deform plastically before breaking. The homogeneity of the structure of a steel, as well as the level of inclusions and its morphology, are factors that determine its toughness. MTG steels are tough and guarantee that the pieces will not break and will wear less, even in the most demanding service conditions.



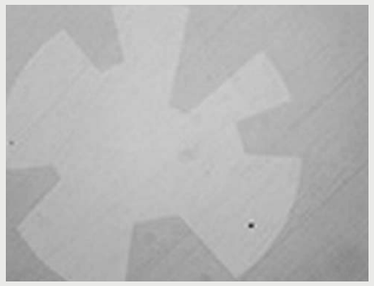
4. DEGREE OF REFINEMENT

All those non-metallic inclusions and dissolved gases that are not eliminated during the manufacturing of a part, negatively affect the toughness of a steel. Thanks to the high quality standards applied to the production of MTG steels, which include extensive refining stages both in electric arc furnaces and AOD converters, it is possible to guarantee a low level of impurities and ensure a high level of toughness.

FRAGILE STEEL
The continuous inclusions at the grain boundary make this steel fragile.



QUALITY STEEL
Globular inclusions confer toughness, but sharp edges affect the characteristics of the steel.



MTG STEEL
Clean steel with reduced number of small and round inclusions.

CAT STYLE J-SERIES BUCKET TEETH RANGE

A LARGE RANGE OF AFTERMARKET J-SERIES BUCKET TEETH ARE AVAILABLE FOR ALL MODELS OF EXCAVATORS AND LOADERS UP TO 50 TONNE SIZE

STANDARD

A general purpose tooth with good penetration and wear material

HEAVY DUTY ABRASION

For high impact, high abrasion and low penetration applications. Ideal for loaders.

ROCK CHISEL

Good for high abrasion and high impact conditions with more wear material

TIGER

Provides maximum penetration for compact soil, clay and coal

HEAVY DUTY

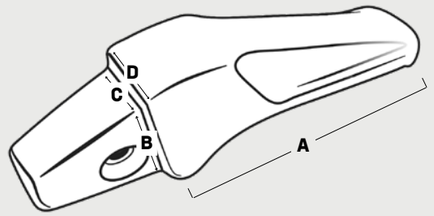
Maximum wear material for high abrasion and low penetration applications

TWIN TIGER

Provides maximum penetration and good ground fracture. Often used on the outer adapters

CAT STYLE J-SERIES ADAPTERS

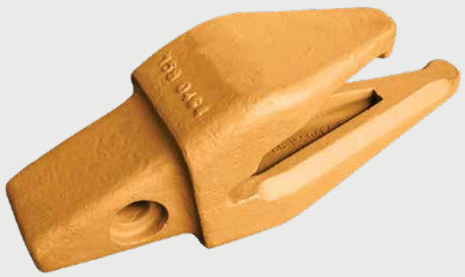
FLUSHMOUNT ADAPTERS

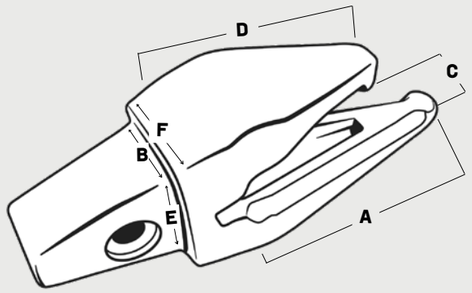


PART NO	J-SERIES	A	B	C	D	KG	MACHINE SIZE
4T1204	J200	140	35	45	33	2	2-5 Tonne
IU1254	J250	220	48	65	52	5.5	10-12 Tonne
IU1304	J300	220	60	72	65	8	15-20 Tonne
IU1354	J350	250	67	82	85	14	20-25 Tonne

All measurements in millimetres

2-STRAP ADAPTERS





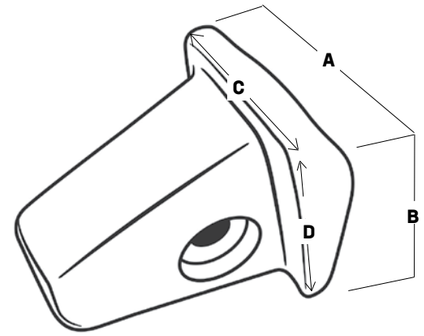
PART NO	J-SERIES	A	B	C	D	E	F	KG	MACHINE SIZE
8J7525	J200	90	35	15	20	45	40	1.5	2-5 Tonne
6Y3224	J220	120	43	25	75	57	59	3	6-8 Tonne
6Y3254	J250	140	48	31	95	65	65	4	10-12 Tonne
3G6304	J300	200	60	35	115	72	84	7.5	15-20 Tonne
3G8354	J350	200	67	43	110	82	90	9.5	20-25 Tonne
7T3404	J400	220	90	48	160	77	120	16	25-30 Tonne
8E6464	J460	260	85	53	220	95	125	20	35-40 Tonne
IU1553	J550	300	105	67	250	105	150	34	45-50 Tonne

All measurements in millimetres

CAT STYLE J-SERIES ADAPTERS

ADAPTER REPAIR NOSE

Used for replacing worn or broken adapter noses

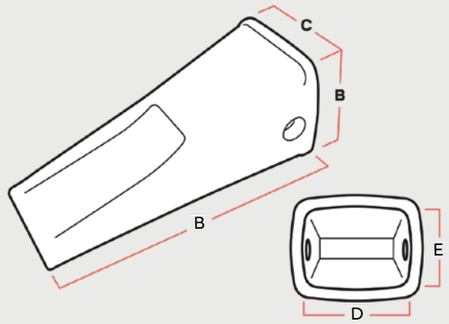


PART NO	A	B	C	D	KG	MACHINE SIZE
J250WN	70	80	48	65	2.3	10-12 Tonne
J300WN	85	88	60	72	3.4	15-20 Tonne
J350WN	100	110	67	82	4.6	20-25 Tonne

All measurements in millimetres

CAT STYLE J-SERIES BUCKET TEETH

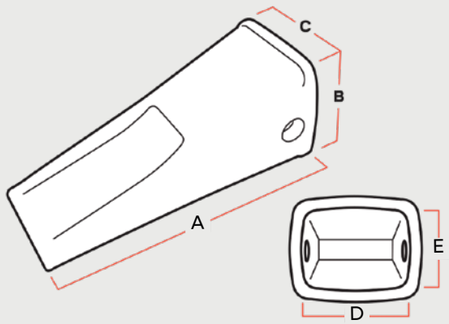
STANDARD TIP



		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
IU3202	J200	145	63	55	44	44	1.4	4-6 Tonne
6Y3222	J220	165	73	63	44	60	2	6-8 Tonne
IU3252	J250	190	85	74	56	67	3.2	10-12 Tonne
IU3302	J300	215	96	89	67	76	4.4	15-20 Tonne
IU3352	J350	244	108	100	75	81	6.0	20-25 Tonne
7T3402	J400	268	127	116	88	89	9.4	25-30 Tonne
9W8452	J450	300	126	128	100	101	11.6	35-40 Tonne
9W8552	J550	330	140	154	119	113	18.5	45-50 Tonne

All measurements in millimetres

STANDARD TIP – Premium quality, self sharpening design (MTG)

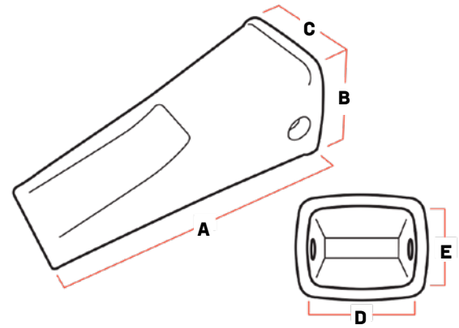


		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
MC30S	J300	235	110	90	67	76	4	15-20 Tonne
MC35S1	J350	260	115	105	75	81	5.8	20-25 Tonne

All measurements in millimetres

CAT STYLE J-SERIES BUCKET TEETH

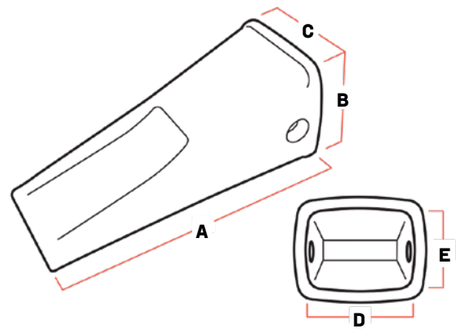
ROCK CHISEL TIP



		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
J300RC	J300	250	100	85	67	76	4.2	15-20 Tonne
J350RC	J350	280	115	104	75	81	8	20-25 Tonne
J400RC	J400	315	130	120	88	89	11	25-30 Tonne
J450RC	J450	330	140	130	100	101	14.3	35-40 Tonne
J550RC	J550	385	157	160	119	113	23	44-50 Tonne

All measurements in millimetres

ROCK CHISEL TIP – Premium quality, self sharpening design (MTG)

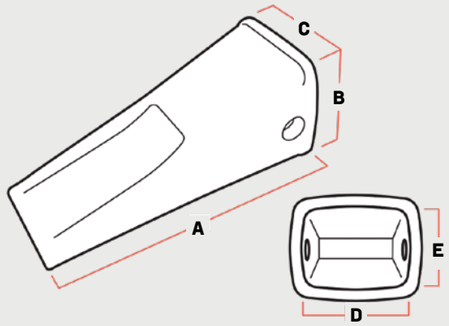


		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
MC35E1	J350	275	120	105	75	81	7.1	20-25 Tonne
MC40E1	J400	310	137	150	88	89	11.2	25-30 Tonne
MC45E1	J450	345	140	134	100	101	15.0	35-40 Tonne
MC55E1	J550	375	155	158	119	113	21	45-50 Tonne

All measurements in millimetres

CAT STYLE J-SERIES BUCKET TEETH

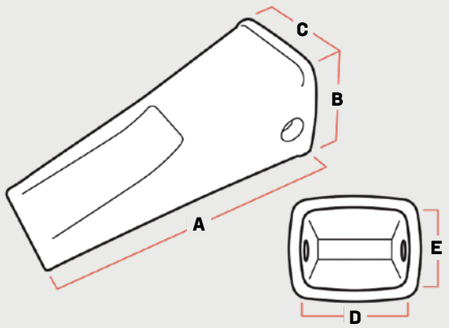
HEAVY DUTY TIP



		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
9N4252	J250	200	94	78	56	67	3.5	10-12 Tonne
9N4302	J300	225	100	85	67	76	5.5	15-20 Tonne

All measurements in millimetres

HEAVY DUTY ABRASION TIP

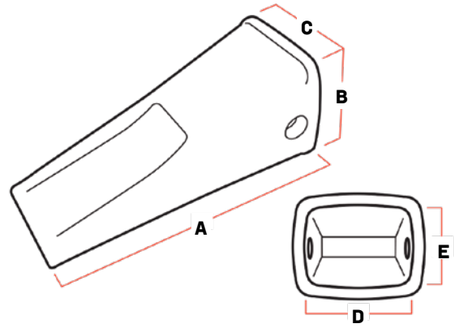


		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
J300HDAL	J300	220	108	94	67	76	8	15-20 Tonne
J350HDAL	J350	240	118	104	75	81	10	20-25 Tonne

All measurements in millimetres

CAT STYLE J-SERIES BUCKET TEETH

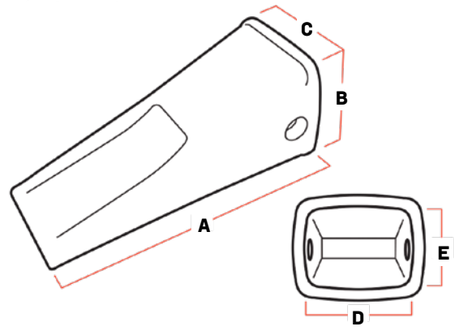
TIGER TIP



		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
J250TIGER	J250	203	90	78	56	67	3.0	10-12 Tonne
J300TIGER	J300	240	105	86	67	76	4.4	15-20 Tonne
J350TIGER	J350	286	112	105	75	81	6.2	20-25 Tonne
J400TIGER	J400	320	130	120	88	89	10.5	25-30 Tonne
J450TIGER	J450	360	138	135	100	101	13.4	35-40 Tonne
J550TIGER	J550	380	145	158	119	113	16.0	45-50 Tonne

All measurements in millimetres

TIGER TIP – Premium quality, self sharpening design (MTG)

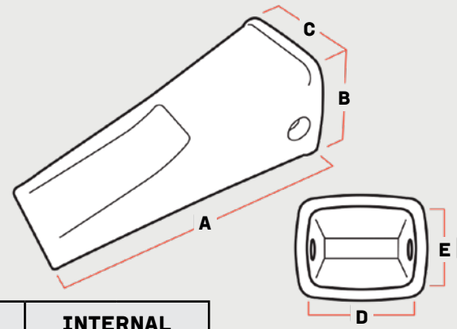


		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
MC35V1	J350	258	115	105	75	81	5.6	20-25 Tonne
MC40V1	J400	310	130	122	88	89	7.3	25-30 Tonne
MC45V1	J450	340	140	134	100	101	9.4	35-40 Tonne
MC55V1	J550	390	150	158	119	113	13.5	45-55 Tonne

All measurements in millimetres

CAT STYLE J-SERIES BUCKET TEETH

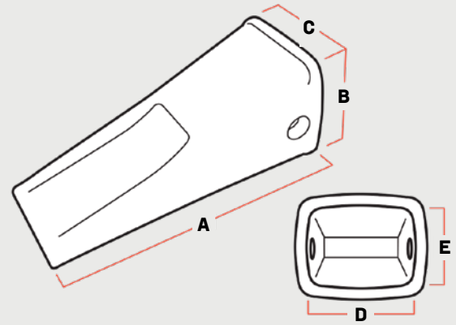
TWIN TIGER TIP



		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
J250TWIN	J250	213	87	76	56	67	2.8	10-12 Tonne
J300TWIN	J300	242	104	85	67	76	5.6	15-20 Tonne
J350TWIN	J350	286	111	105	75	81	7.0	20-25 Tonne
J400TWIN	J400	320	130	120	88	89	11	25-30 Tonne
J450TWIN	J450	360	138	135	100	101	14.4	35-40 Tonne
J550TWIN	J550	400	150	160	119	113	19	45-50 Tonne

All measurements in millimetres

TWIN TIGER TIP – Premium quality, self sharpening design (MTG)

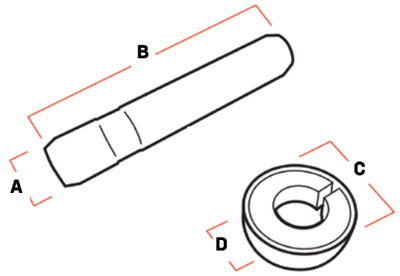


		EXTERNAL			INTERNAL			
PART NO	J-SERIES	A	B	C	D	E	KG	MACHINE SIZE
MC35W1	J350	280	120	106	75	81	7	20-25 Tonne
MC40W1	J400	305	137	120	88	89	9.2	25-30 Tonne
MC45W1	J450	340	140	134	100	101	13	35-40 Tonne
MC55W1	J550	370	155	158	119	113	19	45-50 Tonne

All measurements in millimetres

CAT STYLE J-SERIES BUCKET TEETH

PINS AND RETAINERS



PIN NO	RETAINER NO	A	B	C	D	J-SERIES
8E6208	8E6209	11	60	22	10.6	J200
6Y3228	8E6259	14	67	30	13.6	J220
9J2258	8E6259	14	77	30	13.6	J250
9J2308	8E6259	14	92	30	13.6	J300
9W2678	8E6359	19	106	40	18.5	J350
7T3408	7T3409	22	118	42	21.5	J400
8E0468	8E0469	24	134	44	23.3	J450/J460
1U1558	8E5559	25	162	53	24.5	J550
616608	616609	30	192	59	29	J600

All measurements in millimetres

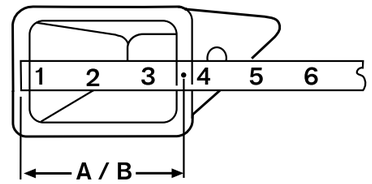
HOW TO IDENTIFY A CAT STYLE TIP:

To determine the size or J-family of a CAT style tip. Take the dimensions shown below.

A(MM)	B(“)	J-SERIES
51mm	2.0”	J200
64mm	2.5”	J250
76mm	3.0”	J300
89mm	3.5”	J350
102mm	4.0”	J400
114mm	4.5”	J450
140mm	5.5”	J550
152mm	6.0”	J600

All measurements in millimetres

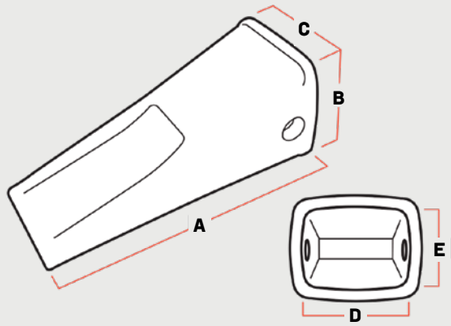
Place a tape measure across the back of the tip at the midpoint of the side walls.



In addition, the second and third digits in the CAT part number often refer to the series. **EXAMPLE: IU3352 = J350 SERIES.**

DOOSAN STYLE BUCKET TEETH

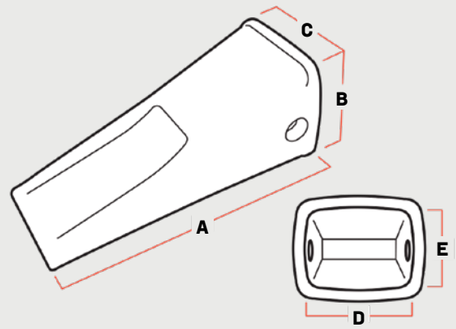
STANDARD TIP



	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
2713-1221	200	85	85	65	65	3.8	10-15 Tonne
K1005018	280	126	126	97	97	11	31-35 Tonne

All measurements in millimetres

ROCK CHISEL TIP

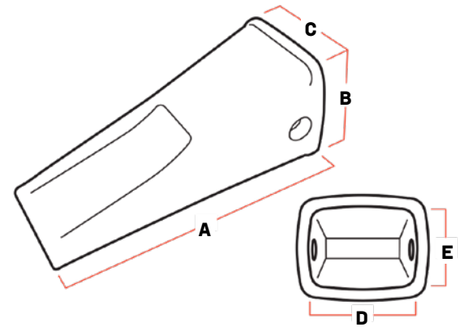


	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
K1000344RC	255	100	95	74	74	6	20-25 Tonne
71300054ARC	280	115	110	80	80	8.5	26-30 Tonne

All measurements in millimetres

DOOSAN STYLE BUCKET TEETH

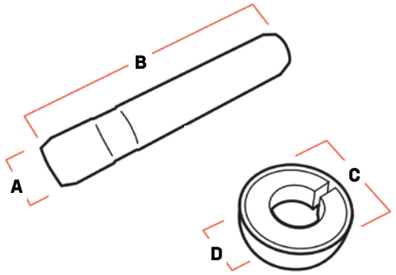
TIGER TIP



	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
71300054AT	295	116	110	80	80	7.3	26-30 Tonne

All measurements in millimetres

PINS AND RETAINERS



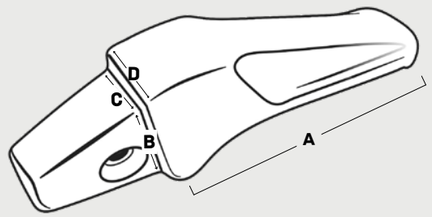
MACHINE	PIN NO	RETAINER NO	A	B	C	D
DX140	2705-1022	2114-1859	18	85	31	17
DX225	2705-1020	2114-1848A	20	99	35	19
DX300	2705-1021	2114-1849A	22	110	37	21
DX340	8E0468	8E0469	24	134	44	23.3

All measurements in millimetres

ESCO CONICAL STYLE ADAPTERS

FLUSHMOUNT ADAPTERS

Fig. 1



2-STRAP ADAPTERS

Fig.2

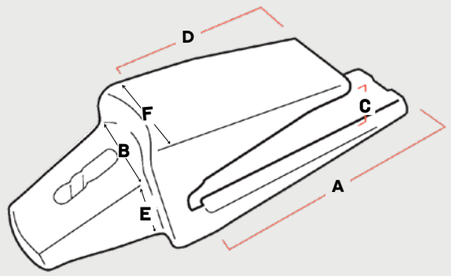


Fig.3

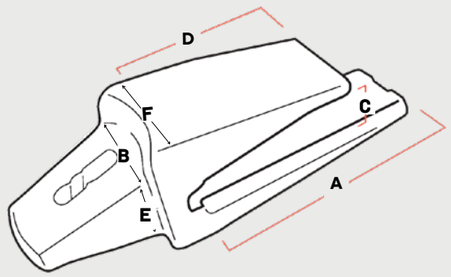
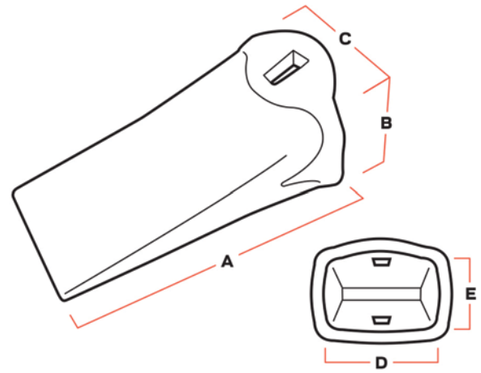


FIG	PART NO	SERIES	A	B	C	D	E	F	KG	MACHINE SIZE
1	MB81	N/A	72	29	40	45	-	-	0.8	1-3 Tonne
2	833-18	18s	124	40	22	60	32	55	1.5	4-6 Tonne
3	23574-22	22s	120	42	26	65	42	56	3	7-8 Tonne
3	A1306-25	25s	160	60	27	110	45	72	4	8-10 Tonne
3	B3210T-30	30s	185	70	35	140	40	86	6	12-15 Tonne
3	B3210T-35	35s	220	85	33	160	45	102	10	15-25 Tonne

All measurements in millimetres

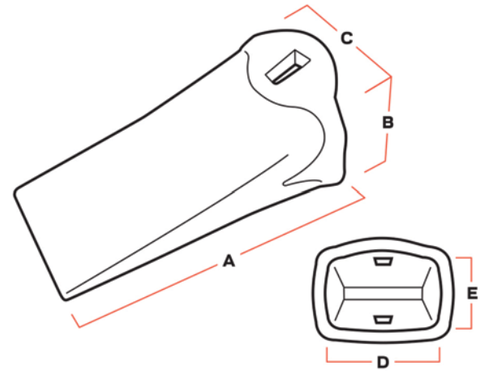
ESCO CONICAL STYLE BUCKET TEETH

MINI TIP RANGE



	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
MB4F	95	46	46	33	35	0.7	1-3 Tonne

All measurements in millimetres

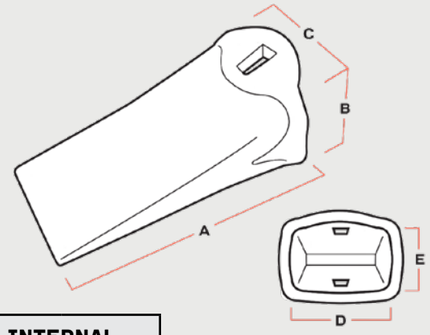


	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
MN18L	120	51	60	40	35	1	4-6 Tonne

All measurements in millimetres

ESCO CONICAL STYLE BUCKET TEETH

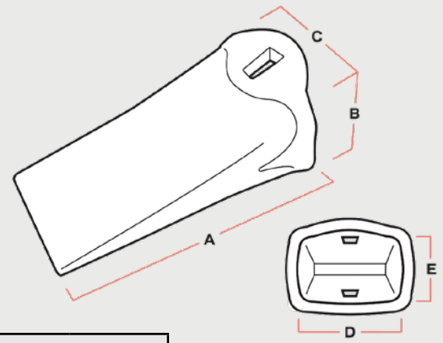
STANDARD TIP



		EXTERNAL			INTERNAL			
PART NO	SERIES	A	B	C	D	E	KG	MACHINE SIZE
BC18S	18S	140	52	62	40	35	1	4-6 Tonne
BC22S	22S	138	64	62	45	45	1.3	7 Tonne
BC25S	25S	178	75	85	62	55	1.7	8-10 Tonne
BC30S	30S	178	78	95	72	50	2.7	10-15 Tonne
BC35S	35S	215	95	112	82	65	4.5	15-25 Tonne
BC40S	40S	225	110	130	98	72	6.4	26-35 Tonne
BC45S	45S	230	120	140	112	75	9.2	36-40 Tonne

All measurements in millimetres

STANDARD TIP – Premium quality, self sharpening design (MTG)

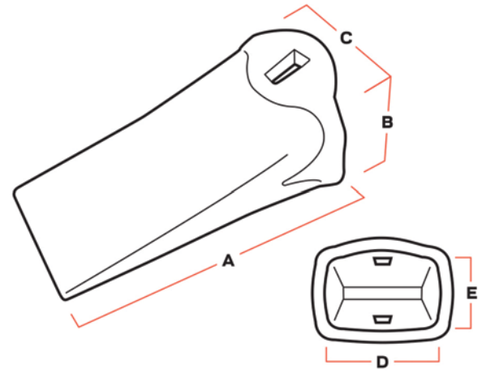


		EXTERNAL			INTERNAL			
PART NO	SERIES	A	B	C	D	E	KG	MACHINE SIZE
MN25S	25S	175	78	80	62	55	2	8-10 Tonne
MN30S	30S	180	80	95	72	50	2.5	10-15 Tonne
MN35S	35S	200	90	114	82	65	3.4	15-25 Tonne
MN40S	40S	240	105	125	98	72	5.5	26-35 Tonne

All measurements in millimetres

ESCO CONICAL STYLE BUCKET TEETH

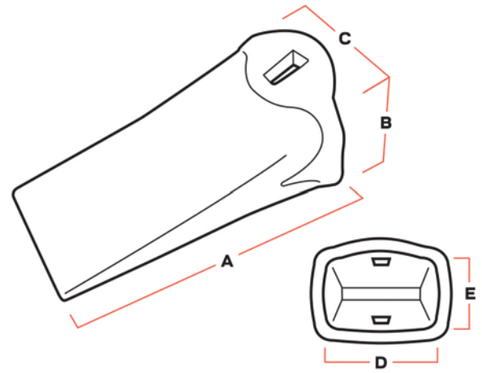
TIGER TIP



		EXTERNAL			INTERNAL			
PART NO	SERIES	A	B	C	D	E	KG	MACHINE SIZE
25VIP	25S	228	80	90	62	55	3	8-10 Tonne
30VIP	30S	215	78	100	72	50	3	10-15 Tonne
35VIP	35S	265	110	120	82	65	6.2	15-25 Tonne

All measurements in millimetres

TWIN TIGER TIP

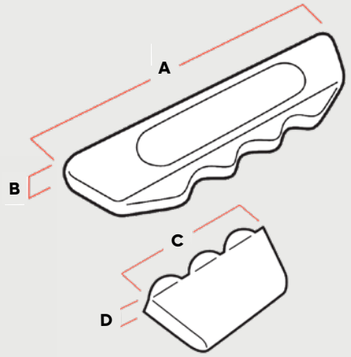


		EXTERNAL			INTERNAL			
PART NO	SERIES	A	B	C	D	E	KG	MACHINE SIZE
18TVIP	18S	150	50	60	40	35	1.1	4-6 Tonne
25TVIP	25S	228	80	89	62	55	3	8-10 Tonne
30TVIP	30S	215	78	100	72	50	3	10-15 Tonne
35TVIP	35S	265	110	120	82	65	6.2	15-25 Tonne

All measurements in millimetres

ESCO CONICAL STYLE PINS & LOCKS

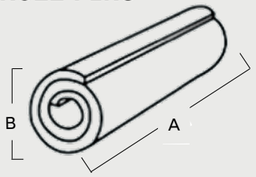
PINS AND LOCKS



PIN	LOCK	A	B	C	D
18PN	18LK	55	7	35	13
22PN	22LK	68	7	44	13
25PN	25LK	72	10	37	11
30PN	30LK	72	10	37	11
35PN	35LK	84	10	47	14
40PN	40LK	100	13	47	14
45PN	45LK	104	13	59	16

All measurements in millimetres

ROLL PINS

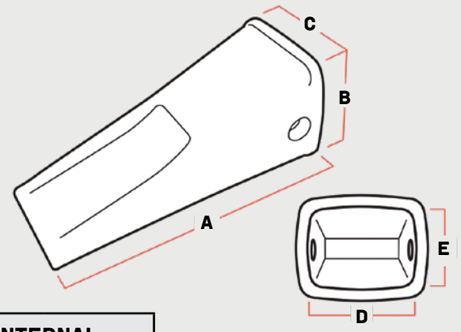


PIN	A	B
MB8	51	8

All measurements in millimetres

HYUNDAI STYLE BUCKET TEETH

STANDARD TIP

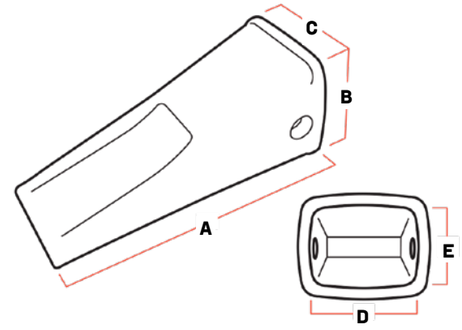


	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
E161-3027	212	90	98	72	60	4	12-21 Tonne
61Q6-31310	225	106	107	72	72	6.5	R210-9
E262-3046	255	105	115	82	80	7.5	26-32 Tonne

All measurements in millimetres

HYUNDAI STYLE BUCKET TEETH

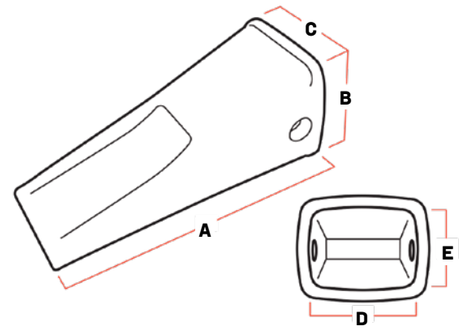
ROCK CHISEL TIP



	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
E161-3027RC	255	90	98	72	60	6	12-21 Tonne
E262-3046RC	295	110	120	82	80	10	26-32 Tonne

All measurements in millimetres

TIGER TIP

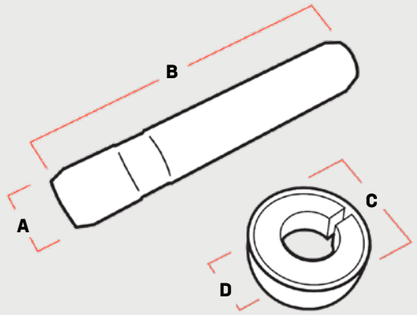


	EXTERNAL			INTERNAL			
PART NO	A	B	C	D	E	KG	MACHINE SIZE
E161-3027T	220	90	98	72	60	4.3	12-21 Tonne
E262-3046T	295	110	120	82	80	9.3	26-32 Tonne

All measurements in millimetres

HYUNDAI STYLE BUCKET TEETH

PINS AND RETAINERS

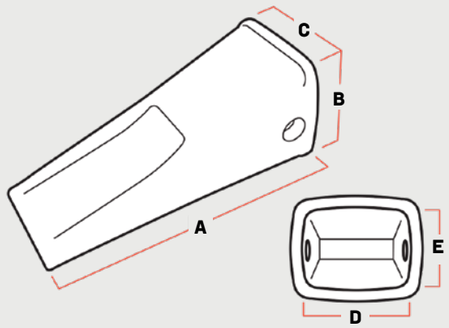


PIN NO	RETAINER NO	A	B	C	D	MACHINE
SB80PN	SB80/235WS	19	101	32	18.6	12-21 Tonne
SB235PN	SB80/235WS	19	116	34	18.6	26-32 Tonne

All measurements in millimetres

KOMATSU STYLE BUCKET TEETH

STANDARD TIP

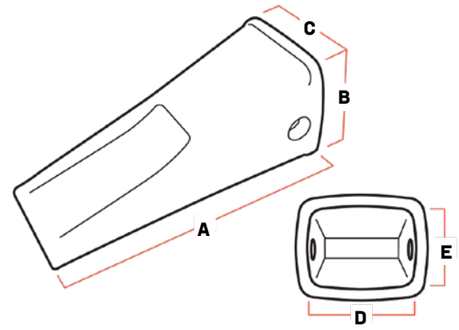


		EXTERNAL			INTERNAL			
PART NO	SERIES	A	B	C	D	E	KG	MACHINE SIZE
205-70-19570	PC120/200	222	100	95	72	82	4.2	10-25 Tonne
207-70-14151	PC300	240	115	120	92	85	6.5	25-35 Tonne

All measurements in millimetres

KOMATSU STYLE BUCKET TEETH

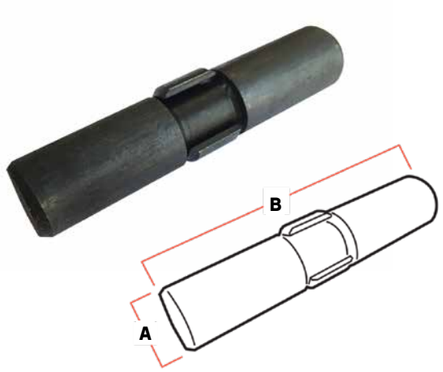
TIGER TIP



		EXTERNAL			INTERNAL			
PART NO	SERIES	A	B	C	D	E	KG	MACHINE SIZE
PC200TL	PC120/200	280	100	95	72	82	6	10-25 Tonne
PC300TL	PC300	330	118	126	92	85	9	25-35 Tonne
PC400TL	PC400	375	130	150	110	95	14	35-42 Tonne

All measurements in millimetres

PIN ASSEMBLY



PIN NO	A	B	MACHINE SIZE
09244-02496	25	97	PC200
175-78-21810	25	118	PC300
09244-03036	30	138	PC400
209-70-54240	36	168	PC650

All measurements in millimetres

PRE-FABRICATED BUCKET 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

You'll get 100% guaranteed quality with correct adapter fitment and welding procedures when fabricated by West-Trak!

PRE-FABRICATED BUCKET EDGES

ADAPTER WELDING INSTRUCTIONS

WELDING INSTRUCTIONS FOR MTG ADAPTERS

This "Welding Guide" is intended to assist customers with welding GET products. It is a general welding guide and is not all inclusive. Your specific application may require different welding practices. This welding guide is not intended to be used for joint design of buckets or other attachments. West-Trak accepts no responsibility for the misuse or misinterpretation of this information.

Welding Instructions

Processes - Welding may be done by any of the following processes:

- **SHIELDED METAL ARC WELDING (SMAW)**
- **GAS METAL ARC WELDING (GMAW)**
- **FLUX-CORED ARC WELDING (FCAW)**

Consumable - Welding unalloyed and low alloyed consumables.

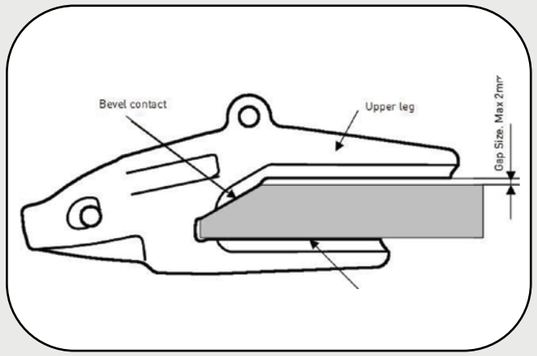
Unalloyed and low-alloyed consumables with tensile strength of up to 500 MPa should be used. Such welding consumables reduce the residual level in the joint and thus reduces the possibility of hydrogen cracking.

WELDING UNALLOYED & LOW ALLOYED FILLER CONSUMABLES		
PROCESS	**EN CLASS**	**AWS CLASS**
SMAW	EN ISO 2560-A E42X	E70X according to A5.1 or equivalent under A5.5
GMAW	EN ISO 14341-A G42X EN ISO 14341-A G46X	E70C-X according to A5.18 or equivalent under A5.28
		ER70S-X according to A5.18 or equivalent under A5.28
FCAW	EN ISO 16834-A T42X	E7XT-X according to A5.20 or equivalent under A5.29

Note that 'X' may stand for one or several characters

ADAPTER WELDING INSTRUCTIONS

STEP 1:
All mill scale, rust, paint, oil grease, arc air slag or moisture must be removed from the surfaces of any weld location. The surfaces must be sufficiently clean so that there is nothing that might contain moisture or hydrocarbons, which break down in the heat of the arc producing hydrogen, which can be absorbed in the weld and cause cracks. Removal may be accomplished by shot blasting, sand blasting, grinding or machining. Any porosity, burned-in sand or other defects visible on the weld prep surfaces must be removed by grinding or arc air gouging.

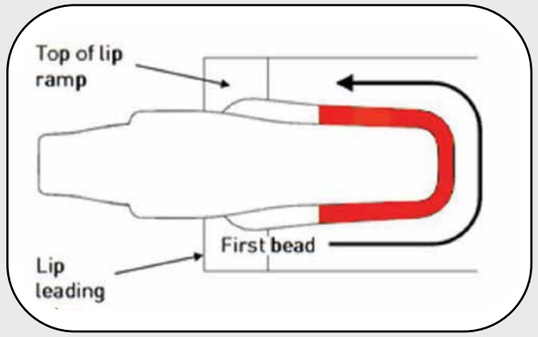


STEP 2:
Place adapter on the lip at the desired location from side to side. Bottom leg and bevel angle should be in full contact with the lip; as shown in figure below. Pack out the top leg if the gap is more than 2mm.

STEP 3:
Preheat the top and bottom of Adapter/ Lip to a temperature between 150C and 180C degrees and maintain this temperature throughout the whole welding process.

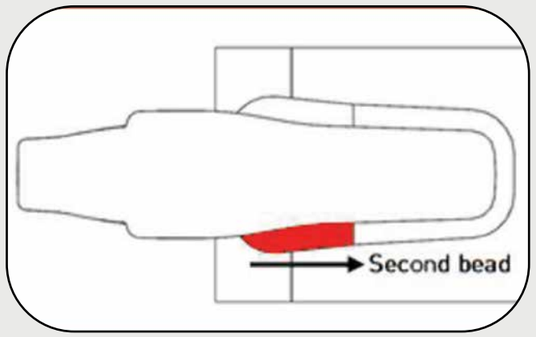
STEP 4:
Apply one 25mm long tack weld at the root of the weld groove on each side of the top leg, midway between the end of the leg and the trailing edge of the lip bevel.

STEP 5:
Begin welding at the center of top leg and weld one pass around the back of the leg to the centre of the opposite side.



STEP 6:
On the initially welded side, begin welding at the front of the weld groove and proceed to the starting point of the first bead. Do not weld within 25mm of the lip leading edge.

STEP 7:
Place a similar bead on the opposite side of the top leg.

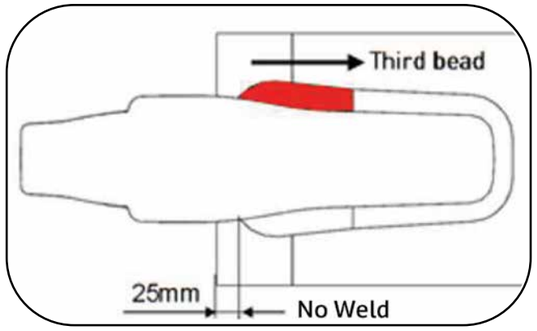


ADAPTER WELDING INSTRUCTIONS

STEP 8:
Repeat this sequence (steps 5, 6 and 7) three times. Vary the lengths of the weld beads slightly so that the start/stop positions are not at exactly the same location.

STEP 9:
Turn the lip over

STEP 10:
Begin welding at the front of the weld groove on the bottom leg and weld to the back of the leg. Do not weld within 25mm of the lip leading edge.



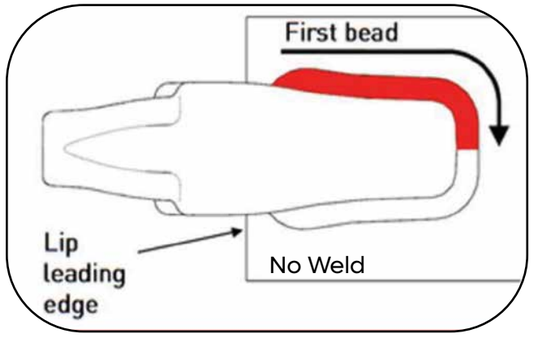
STEP 11:
Begin welding at the front of the weld groove on the opposite side of the leg, joining the initial bead at the back of the leg. Do not weld within 25mm of the lip leading edge.

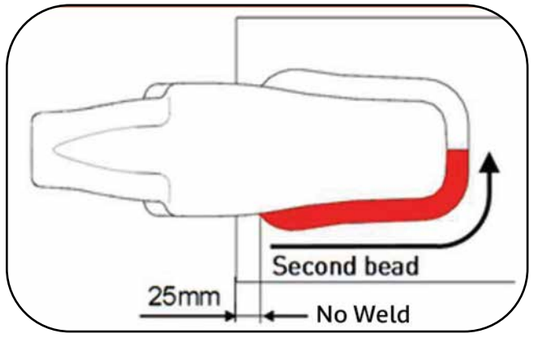
STEP 12:
Repeat this sequence (steps 10 and 11) three times. Vary the lengths of the beads slightly so that the start/stop positions are not at exactly the same location.

STEP 13:
If the adapter size requires additional weld layers, turn the lip over and weld three layers according to the sequence for the top leg (steps 5, 6 and 7).

STEP 14:
Turn the lip over again and apply three layers according to the sequence for the bottom leg. (steps 10 and 11)

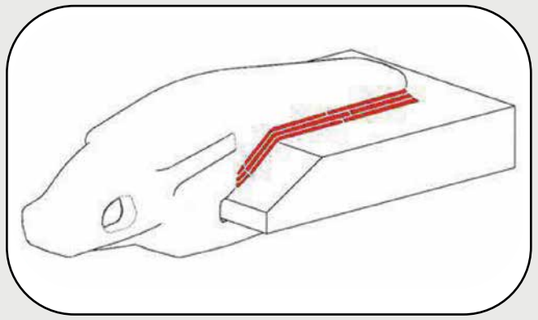
STEP 15:
The leg sizes of the weld fillet must be flush and less than 3mm above the edge of the cast weld groove. In some adapter patterns, the weld groove height decreases near the leading edge of the lip.





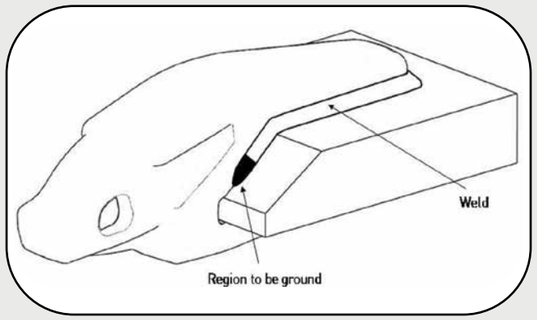
ADAPTER WELDING INSTRUCTIONS

STEP 16:
Once welding is completed, cover all adapters with a thick welding blanket to allow slow cooling. Once adapters have cooled to below 50 degrees, post heat the lip and all adapters back up to 230-250 degrees to destress the welds. Cover adapters with welding blankets again to allow slow cooling.



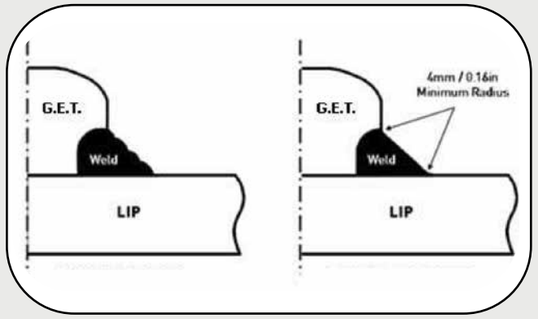
STEP 17:
When welding large adapters, considerable grinding effort can be saved by carefully positioning the starting points of the beads near the leading edge. Start each weld bead slightly behind those of the preceding layer so as to produce a “rounded” weld end.

STEP 18:
All adapter welds need to be ground smooth 65-75mm back from the front edge as indicated in the figure. All welds on both the top and bottom sides should be ground in this area to reduce fatigue cracking. (Air-arcing the weld toes off will also help reduce cracking)

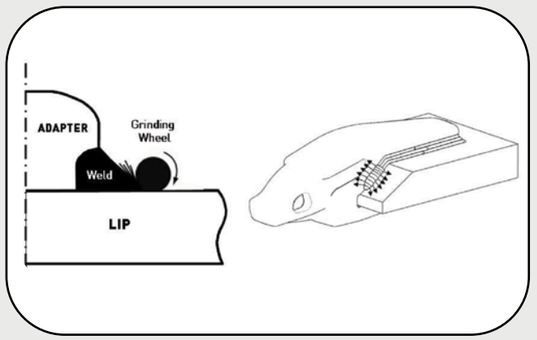


STEP 19:
Grinding shall produce a smooth surface free of roughness and unevenness associated with the weld beads. The toes of the welds shall merge smoothly with the lip and the adapter with a minimum radius of 45mm.

Grinding shall be done with the perimeter of the wheel and not the face. The grinding direction must be perpendicular to the toes of the welds as in the illustration.

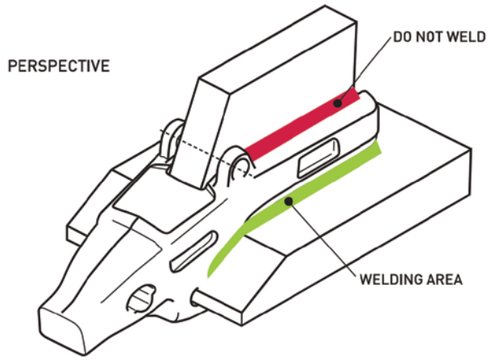


Grinding at the toes of the welds can be done by the use of cone-shaped grinding wheels. For final grinding, the abrasive may be no coarser than 24 Grit.



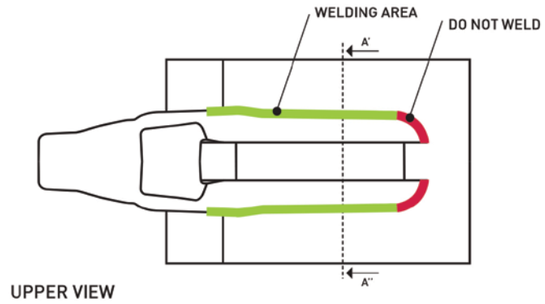
ADAPTER WELDING INSTRUCTIONS

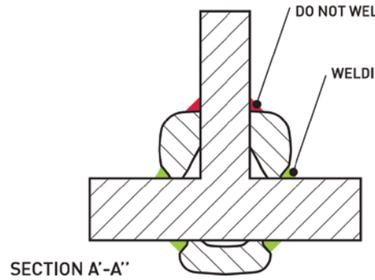
WELDING INSTRUCTIONS FOR STRADDLE LEG ADAPTERS



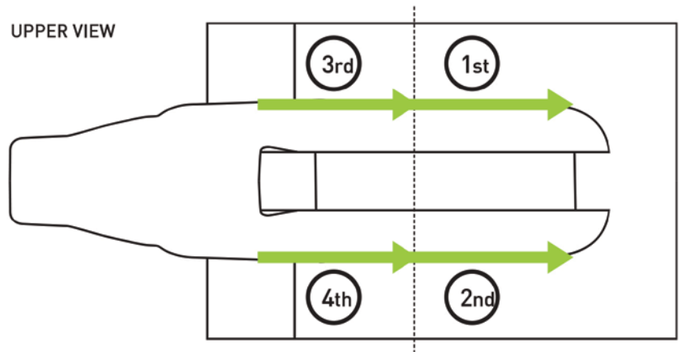
WELDING AREAS

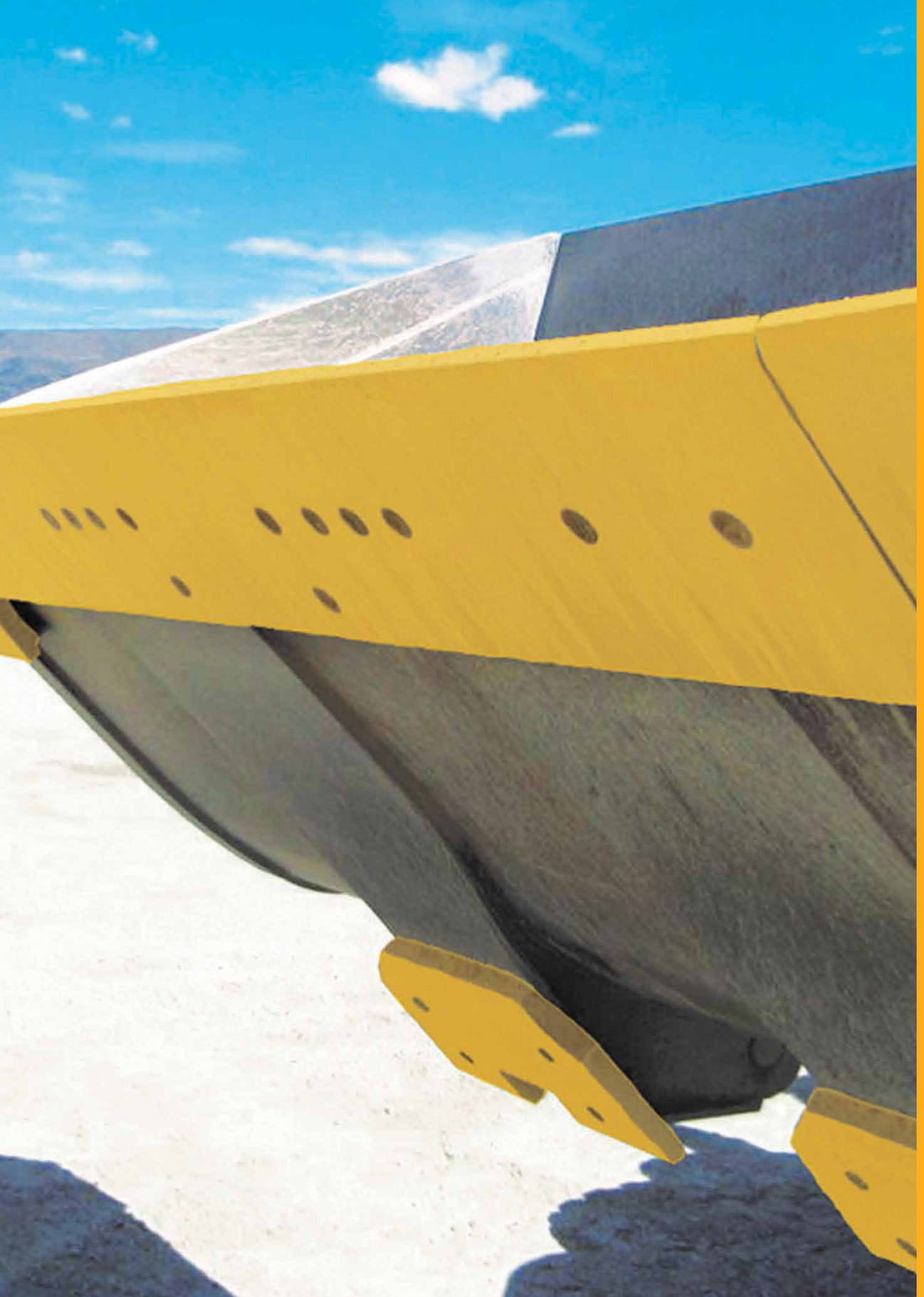
1. Place the adapter on the lip and ensure a good fit with the lip bevel
2. Follow the Adapter Welding instructions as on previous pages
3. Weld the bottom leg in the same way as specified for two strap adapters
4. Weld the top leg as specified in the following figures





Welding process





CUTTING EDGES & END BITS

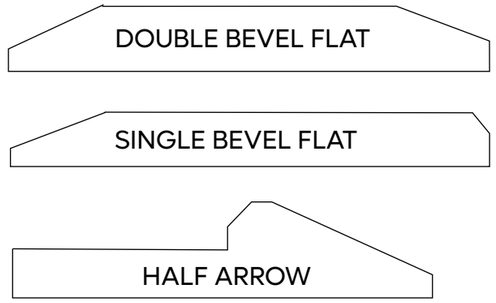
Sharpen your performance with harder & tougher Cutting Edges on your Loaders, Excavators, Dozers, Scrapers & Graders

“Custom designs for all makes & models”

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

CUTTING EDGE PROFILES

400HB Single Bevel, 450HB Half Arrow and 500HB Double Bevel Cutting Edge profiles are available to suit all types of Buckets and blades.



EXCAVATOR EDGES

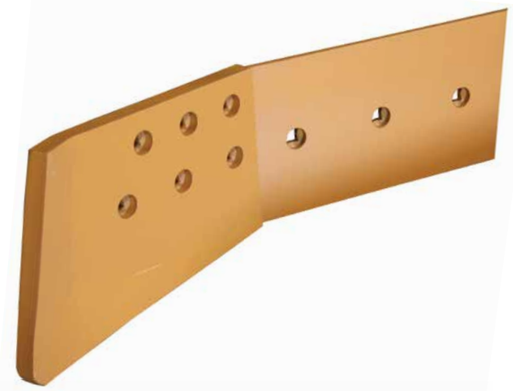
Customised weld-in and bolt-on Cutting Edges are available to suit all makes and models of Excavator Buckets.

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.

DOZER EDGES

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



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.

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.

HARDWARE

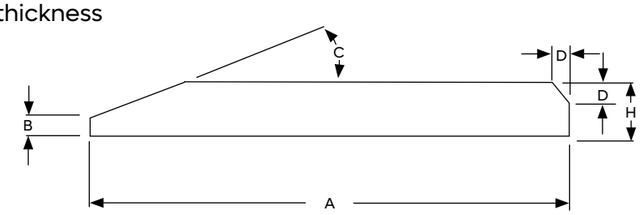
A full range of hardened Plow Bolts, Nuts and Washers are available from 1/2'' to 1.3/8'' size

CUTTING EDGE PROFILES

CUTTING EDGES & END BITS

SINGLE BEVEL PROFILE (SBF)

- Weld-in Cutting Edge profile with a bevel along the front for good 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

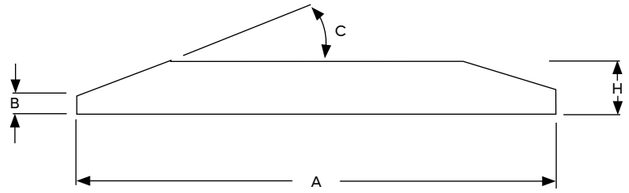


Standard Single Bevel Profile Sizes							
Part No	A	H	B	D	C	Length	Kg/Mtr
110x12_SBF	110	12	3	2	24°	6200	10
110x16_SBF	110	16	7	2	24°	6200	14
150x16_SBF	150	16	6	5	24°	6200	19
150x20_SBF	150	20	5	5	23°	6200	23
200x20_SBF	200	20	6	8	23°	6200	31
200x25_SBF	200	25	11	8	23°	6200	39
250x25_SBF	250	25	6	10	23°	6200	49
250x30_SBF	250	30	11	10	23°	6200	59
300x30_SBF	300	30	8	8	23°	6200	71
300x35_SBF	300	35	13	8	23°	6200	82
300x40_SBF	300	40	18	8	23°	6200	94
400x50_SBF	400	50	20	12	25°	6200	157

All measurements in millimetres

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, for the longest possible wear life
- Available in 6200mm long or can be cut to any length and countersunk to suit Plow Bolts

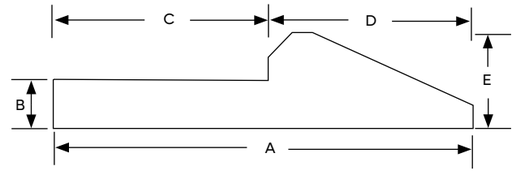


Standard Double Bevel Profile Sizes						
Part No	A	H	B	C	Length	Kg/Mtr
152x16_DBF	152	16	5	25	6200	19
203x16_DBF	203	16	5	25	6200	25
203x19_DBF	203	20	8	25	6200	31
203x25_DBF	203	25	14	25	6200	40
254x20_DBF	254	20	8	25	6200	40
254x25_DBF	254	25	14	25	6200	50
280x25_DBF	280	25	8	22.5	6200	55
330x25_DBF	330	25	8	22.5	6200	64
330x32_DBF	330	32	18	22.5	6200	83
330x41_DBF	330	41	27	22.5	6200	106
360x30_DBF	360	30	8	22.5	6200	85
406x25_DBF	406	25	14	22.5	6200	80
406x35_DBF	406	35	19	22.5	6200	111
406x41_DBF	406	41	25	22.5	6200	130
406x50_DBF	406	50	34	22.5	6200	160

All measurements in millimetres

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 DBF 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	A	B	C	D	E	Length	Kg/Mtr
HA28254	254	28	132	122	57	3600	65
HA40254	254	40	132	122	70	3600	90

All measurements in millimetres

CUT THROUGH THE CLUTTER

MAKE YOUR BUCKET DIG EASIER, HOLD MORE MATERIAL & 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
- FREE on-site measureups and advice
- Huge database of drawings for most models

STRONGER, HARDER, TOUGHER

GET A NEW WELD-IN CUTTING EDGE IN YOUR BUCKET & INCREASE STRENGTH, PENETRATION & DIGGING POWER

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

SBF Cutting Edge

SBF Drilled Base Edge

The strength of your Bucket is the weld-in Cutting Edge. We can help you choose the best size & type to suit your application

Call 0800 654 323 now

SBF Bevelled Spade Edge to suit Adapters

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

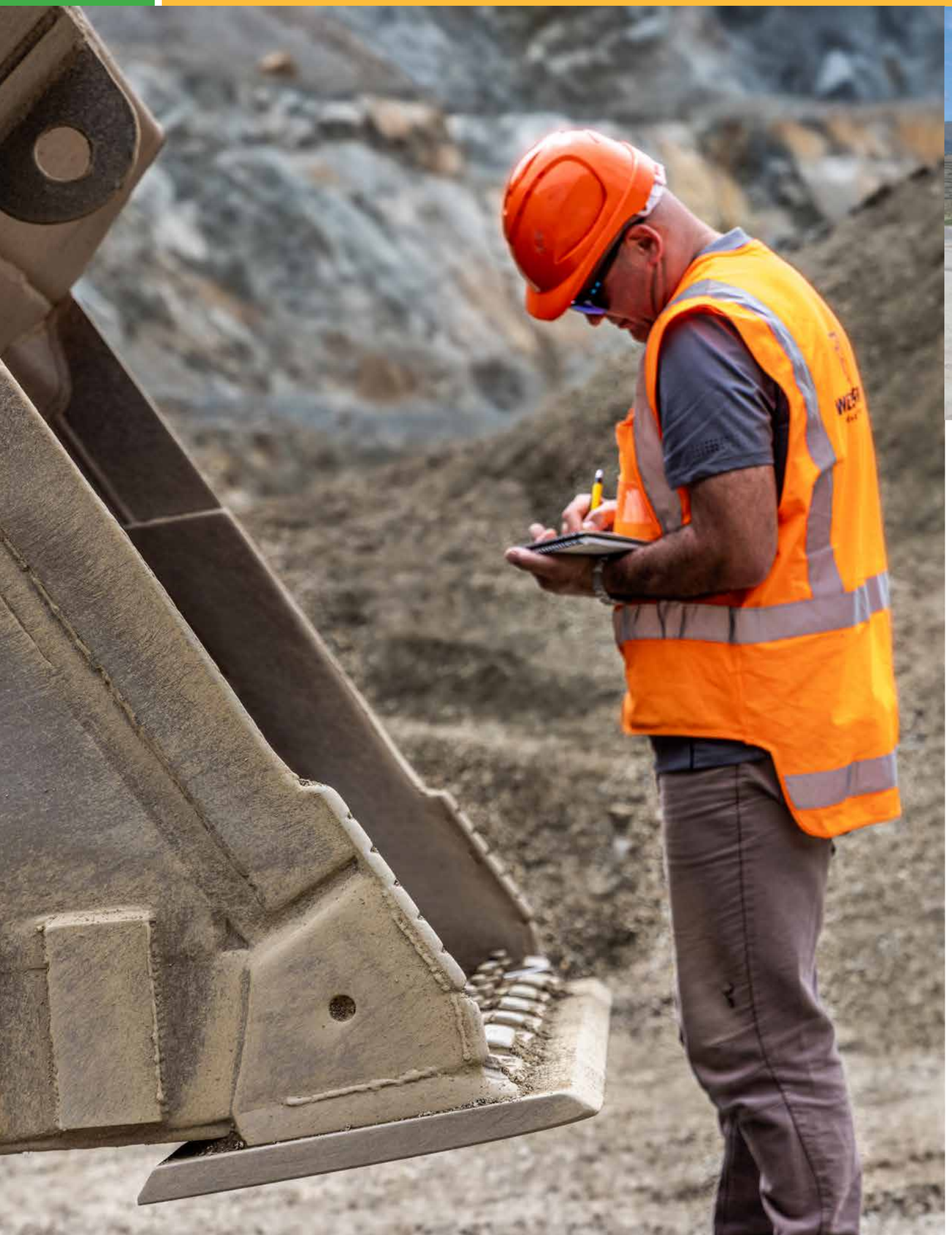
- Guaranteed high quality workmanship from our certified welders
- Fully hammerless G.E.T system for ultimate safety and reliability
- Correct adapter fitment and welding procedure when done by West-Trak
- Complete with weld-in or pin-on Lip Protectors fitted
- FREE on-site measureups and advice

Talk to the Cutting Edge experts today for the best solution to your needs

Call 0800 654 323 now

LOADER CUTTING EDGES

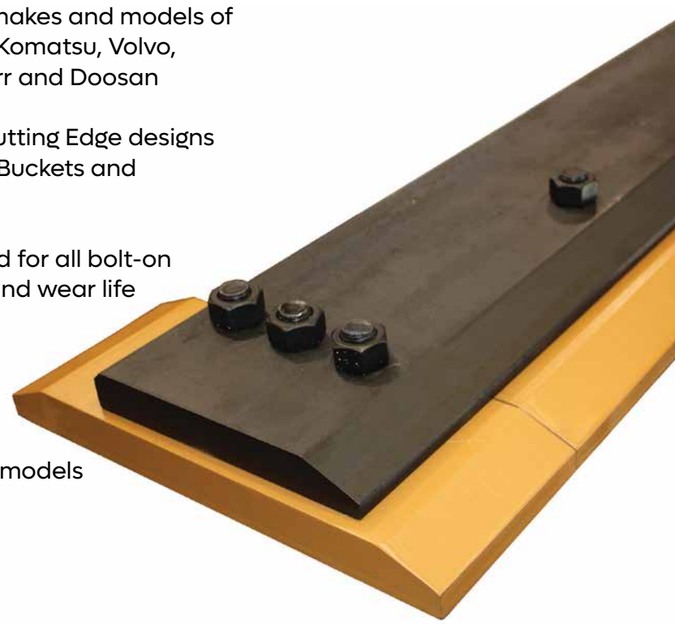
CUTTING EDGES & END BITS



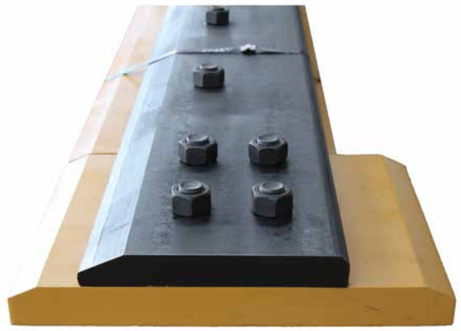
SHARPEN UP YOUR LEADING EDGE

WE'RE THE LARGEST SUPPLIER OF LOADER EDGES IN NZ, SUPPORTING THE MINES, QUARRIES & CIVIL CONTRACTORS WITH THE MOST RELIABLE & 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 from 10mm-60mm
- FREE on-site measureups and advice
- Huge database of drawings for most models



Komatsu/Hitachi/Doosan/Case style Base & Bolt-on Edge set



Volvo style Base & Bolt-on Edge set

Cat/Hyundai/John Deere style Base & Bolt-on Edge set

Double Bevel Bolt-on Edge

Spade edge design for extra penetration and capacity

Single bevel bolt-on Edge for high abrasion applications

LOADER EDGE DESIGNS

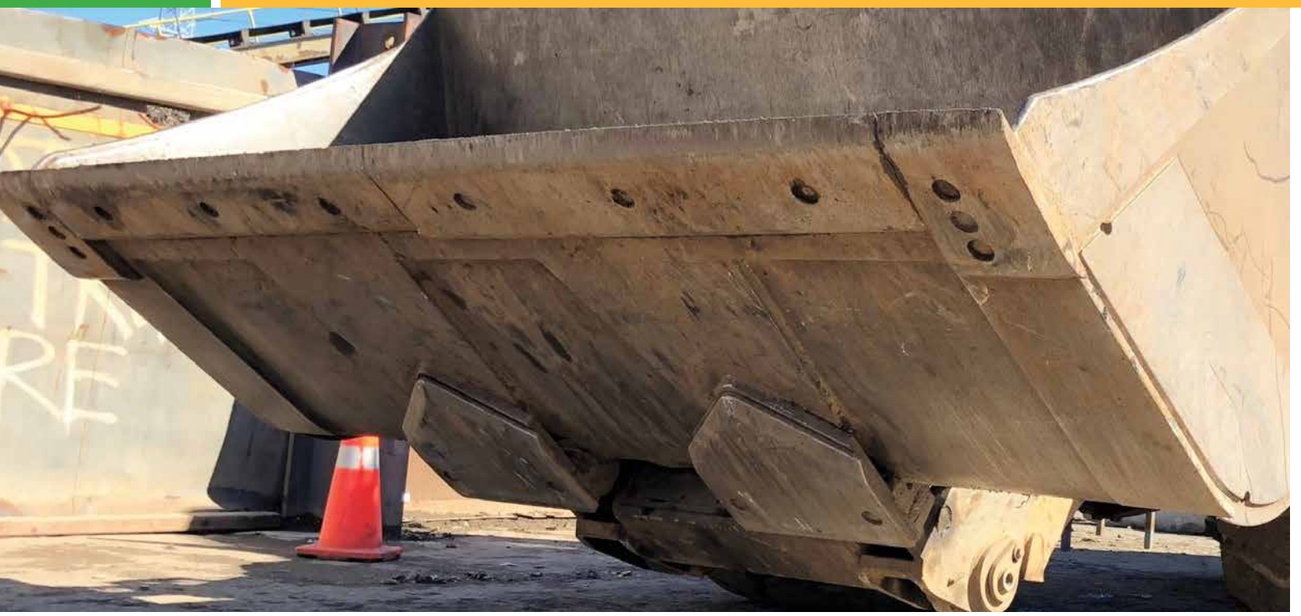
CUTTING EDGES & END BITS

Single Bevel Drilled Base Edge

Single Bevel Drilled & Counterbored Stepped Spade Edge

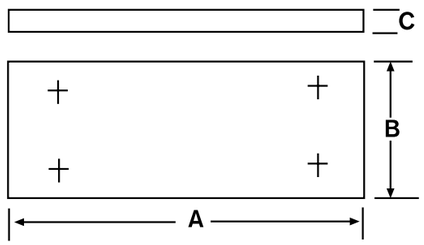
SPADE EDGE DESIGN WITH TEETH

LOADER HEEL PLATES



LOADER HEEL PLATES

- Used to protect the underside of LoaderBuckets 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

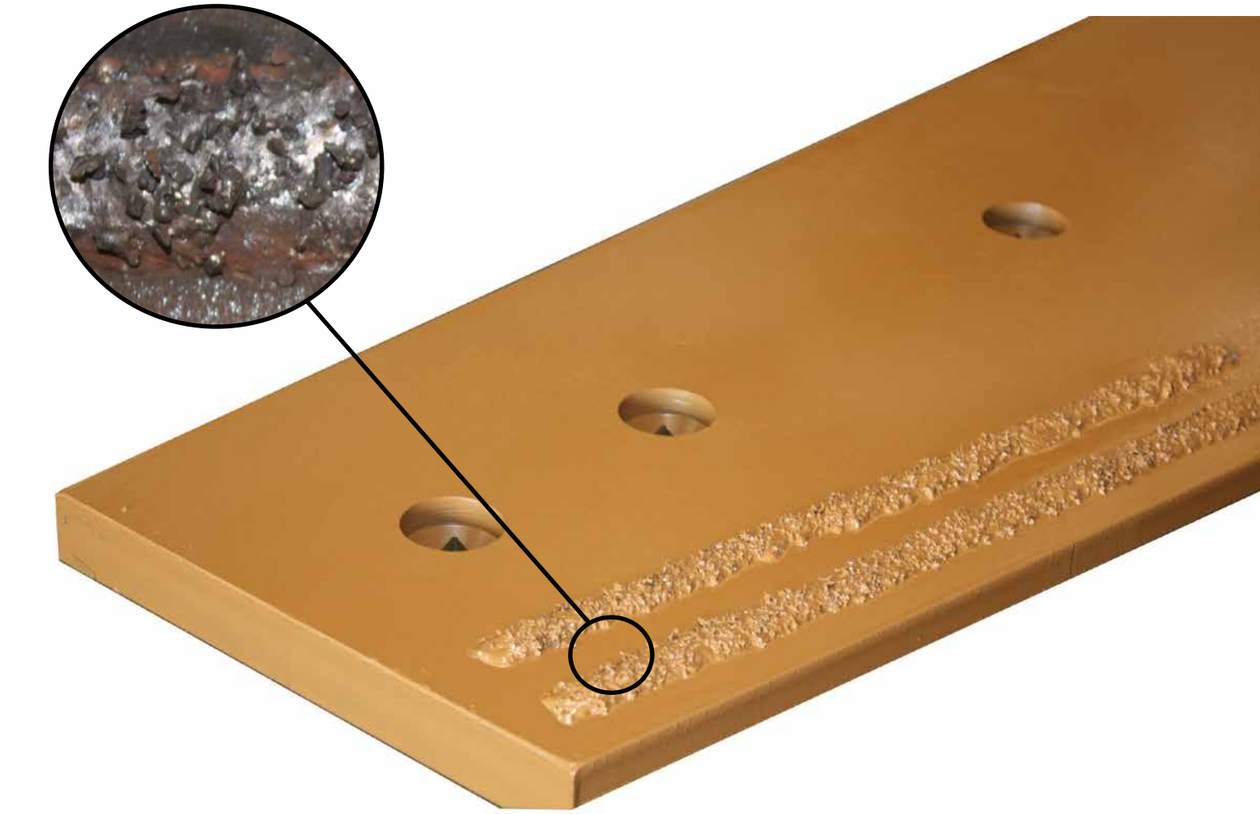


Standard CAT Style Heel Plates				
Part No	A	B	C	Machine Size
9W6747	525	250	25	Cat 950-960G/G/H
9W6749	565	250	35	Cat 966-970G/F/H
161-8573	565	250	35	Cat 972G
9W6750	600	250	35	Cat 980

All measurements in millimetres

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

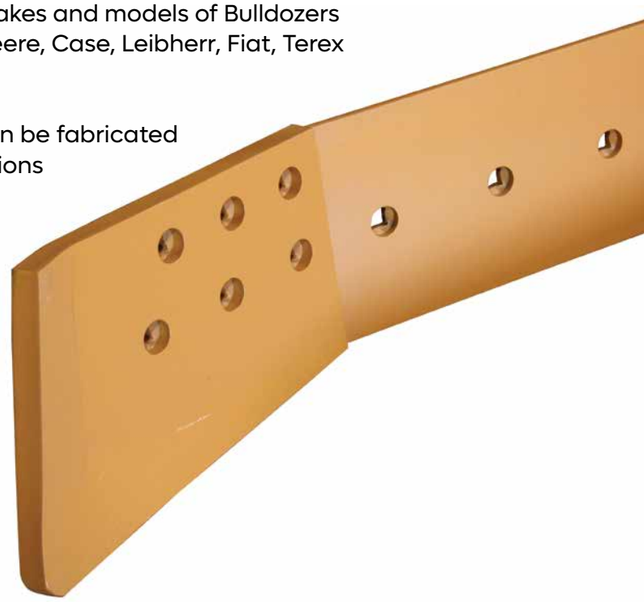


DOZER CUTTING EDGES & END BITS
CUTTING EDGES & END BITS

GET MORE PUSHING POWER

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

- High quality Cutting Edges 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 from 16mm-75mm
- FREE on-site measureups and advice
- Huge database of drawings for most models



DOZER END BITS & END BITS

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

- End bits are made from 500HB abrasion resistant steel for maximum strength and wear life
- Available from 16-75mm thickness
- Custom End Bit designs can be made to suit various blade types and requirements

Flat Square Cut End Bit

Flat Angled End Bit

Hot Cupped End Bit

Hot Cupped EWL End Bit

Ripper End Bit

SCRAPER CUTTING EDGES

HIGH QUALITY CUTTING EDGES ARE AVAILABLE FOR ALL MAKES & MODELS OF SCOOPS & SCRAPERS INCLUDING CATERPILLAR, KOMATSU, WABCO, TEREX & JOHN DEERE

- Custom made moleboards 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 wear life
- Multiple rows of holes can be added for edge height adjustment up & down
- Adapters & Teeth can be fitted for extra penetration
- FREE on-site measureups and advice

SCRAPER ROUTER BITS

LARGE RANGE OF BOLT-ON ROUTER BITS ARE AVAILABLE FOR ALL MAKES & MODELS OF SCRAPERS & 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

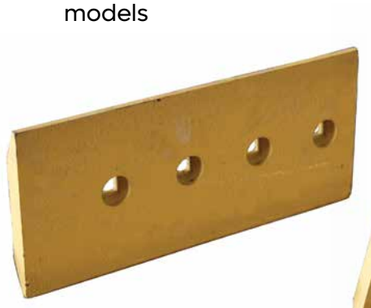
COMPACTOR CUTTING EDGES

CUTTING EDGES & END BITS

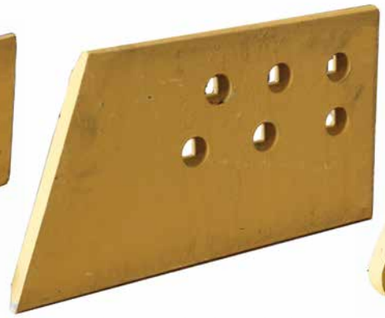
CUT & COMPACT

- A large range of high quality Bolt-on Cutting Edges and End Bits are available for all makes and models of Wheel Compactors and wheeled Dozers
- Made from 500HB Abrasion-Resistant wear steel for maximum wear life and performance
- A range of flat, angled and hot cupped End Bits are available to suit any application
- FREE on-site measure ups and advice
- Huge database of drawings for most models

Bolt-on Cutting Edge



Flat Square Cut End Bit



Flat Angled End Bit

Hot Cupped End Bit

COMPACTOR FEET

COMPACTOR CLEANER BARS

GET MORE PACKING POWER

- A range of Weld-on and Bolt-on Compactor Feet are available for all models of Wheel Compactors
- Compactor Feet are shaped to deliver maximum compaction and are through-hardened to 450HB for long wear life

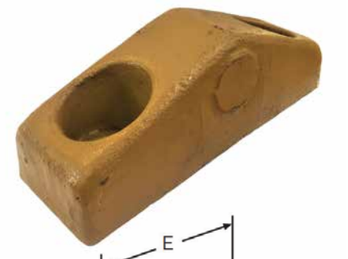


Fig. 1

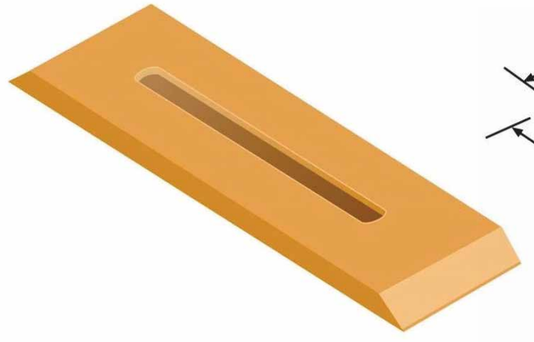
Fig. 2

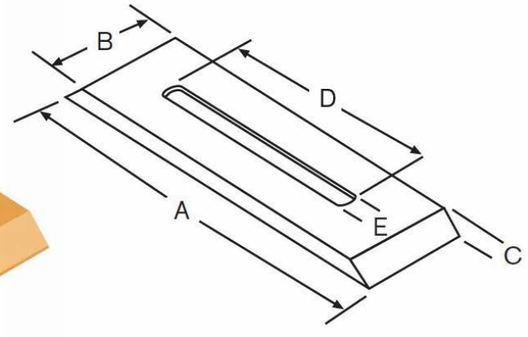
Fig. 3

Fig	Part No	Type	A	B	C	D	E	F	Machine Size	Kg
2	4V0668	Weld-on	224	85	91	53	-	-	Cat 825	6.8
3	2V7053	Weld-on	168	80	71	41	-	-	Cat 825	3.8
3	2V6628	Weld-on	222	85	88	50	-	-	Cat 825	5.5

MAXIMISE YOUR COMPACTION

- Cleaner Bars are used for clearing out the dirt that gets stuck between the compactor feet rows. This helps to improve the compaction effectiveness
- Cleaner Bars have a centre slot for adjusting the length as they wear
- Available in customised designs for all models of Wheel Compactors





Part No	A	B	C	D	E	Kg	Machine Size	Plow Bolt Size
4S7928	406	102	25	200	21	8	Cat 815	3/4" x 5"
3S3228	350	150	25	240	25	10	Cat 825	3/4" x 5"
9V5074	530	130	25	250	23	13	Cat 825	3/4" x 5"

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 moleboards and applications
- Edges are made from high carbon or heat-treated steel and available with tungsten inserts for greater wear life
- A range of thickness options available from 16-32mm and lengths from 5ft - 8ft to fit all moleboard sizes

GRADER CUTTING EDGES

Edge Profiles

A LARGE RANGE OF CURVED & FLAT, HIGH CARBON & 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'' x 2.1/4''	11
7T1641	DBC	5ft	8''	5/8''	5/8'' x 2.1/4''	7
7T1636	DBC	6ft	8''	5/8''	5/8'' x 2.1/ 4''	13
7T1639	DBC	6ft	8''	5/8''	3/4'' x 2.1/4''	10
7T1643	DBC	7ft	8''	5/8''	5/8'' x 2.1/4''	15
7T1645CD	DBC	7ft	6''	5/8''	5/8'' x 2.1/4''	9 (centre drilled)
7T1632CD	DBC	8ft	6''	5/8''	5/8'' x 2.1/4''	10 (centre drilled)

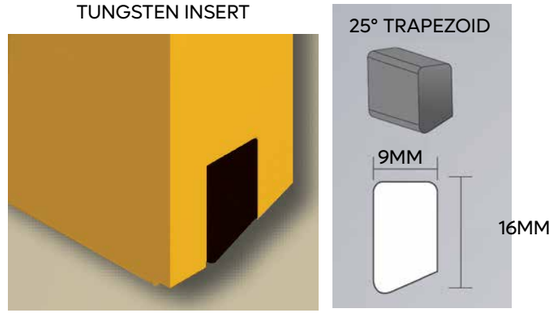
HEAT-TREATED EDGES - (HARDNESS: 421-512 BRINELL, 45-52 HRC)

Part No	Profile	Length	Width	Thickness	Bolt Size	No. of Holes
5D9558	DBC	6ft	8''	3/4''	5/8'' x 2.1/4''	13
5D9559	DBC	7ft	8''	3/4''	5/8'' x 2.1/4''	15
7D1577	DBC	7ft	8''	3/4''	3/4'' x 2.1/2''	15
4T2233	DBC	7ft	8''	1''	3/4'' x 2.1/2''	15
4T6508	DBF	7ft	10''	1''	3/4'' x 2.1/2''	15
4T2236	DBC	8ft	8''	1''	3/4'' x 3.1/4''	17
4T6511	DBF	8ft	10''	1''	3/4'' x 2.1/2''	17
4T8317	DBF	8ft	10''	1.25''	3/4'' x 2.1/2''	17

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

TUNGSTEN GRADER BLADES

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



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

- Available to fit all types of Snowplows and Graders

Part No	Profile	Length	Width	Thickness	Bolt Size	No. of holes
CIAT666044-A	Flat	5ft	6''	3/4''	5/8'' x 2.1/4''	11

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

GRADER END BITS

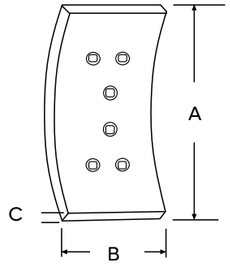
Narrow End Bit

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

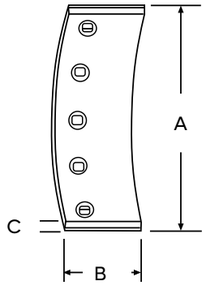
Bolt hole patterns may vary from sample shown. Dimensions in mm.



NARROW END BIT

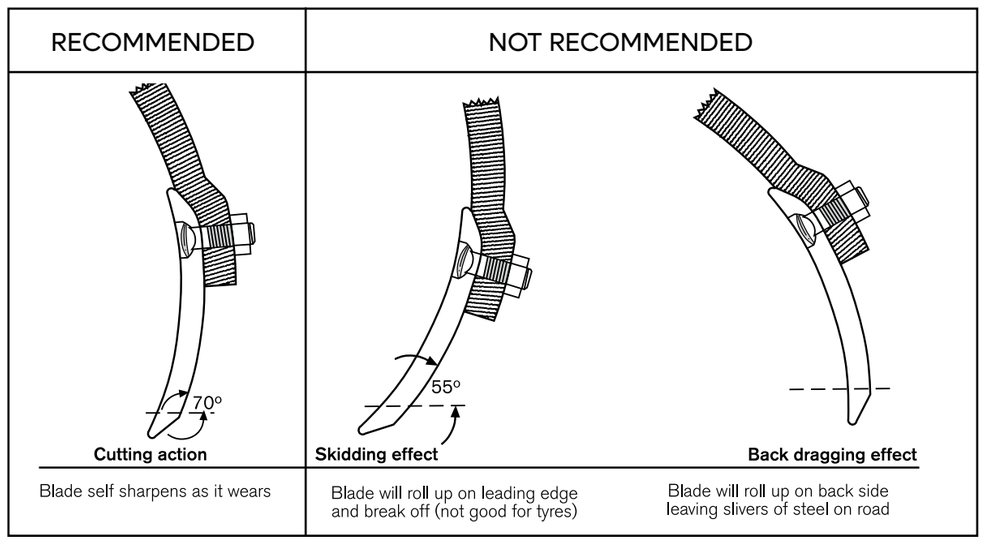
Part No	A	B	C	Bolt Size	No. Holes	Machine Model
8E5531	445	154	16	5/8''	5	Cat 12G, 130G
8E5529	445	154	16	3/4''	5	Cat 12G, 130G
8E5530	445	158	19	3/4''	5	Cat 14G/H

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

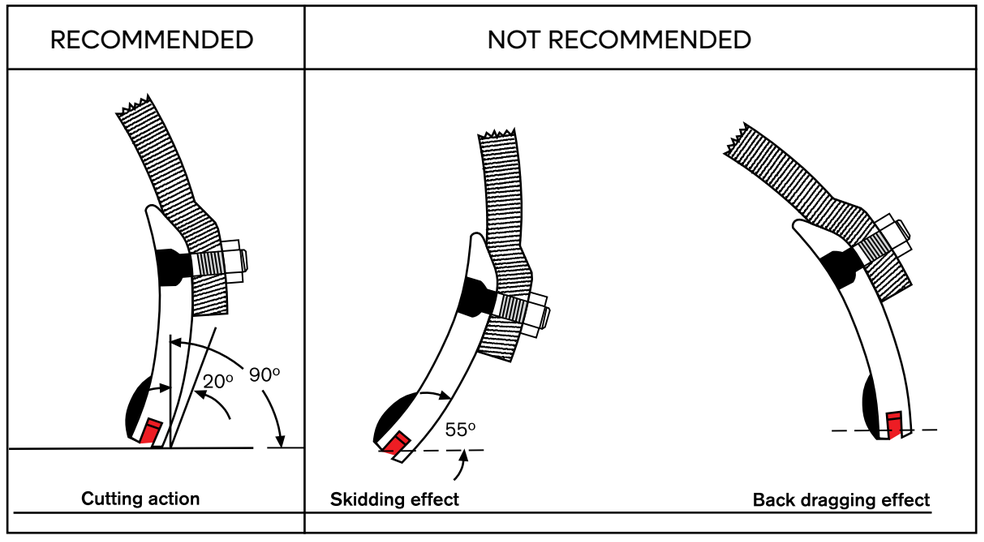


Correct Grader edge operation is critical for getting the most from your edges. Check the tightness of bolts often as vibration can loosen them, causing the edges to break. The correct position of the edge should be as vertical as possible, as the diagrams indicate below.

STANDARD GRADER EDGE OPERATING POSITIONS



TUNGSTEN CARBIDE EDGE OPERATING POSITIONS



FASTEN UP YOUR CUTTING EDGES

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

Plow Bolts & Nuts are made from grade 8.8 alloy steel for added toughness and heat treated to a minimum tensile strength of 170,000 PSI, with a core hardness of Rockwell RC36-42.
Plow Bolts & Nuts are UNC thread

5/8" SIZE RANGE

Size	Part Type
5/8"x1.3/4"	Plow Bolt
5/8"x2"	Plow Bolt
5/8"x2.1/4"	Plow Bolt
5/8"x2.1/2"	Plow Bolt
5/8"x3"	Plow Bolt
5/8"x3.1/2"	Plow Bolt
5/8"x4"	Plow Bolt
5/8"	Plow Nut Hex
5/8"	Flat Washer

3/4" SIZE RANGE

Size	Part Type
3/4"-5/8"x2.1/4"	Reducing Plow Bolt
3/4"x2.1/4"	Plow Bolt
3/4"x2.1/2"	Plow Bolt
3/4"x2.3/4"	Plow Bolt
3/4"x3"	Plow Bolt
3/4"x3.1/4"	Plow Bolt
3/4"x3.1/2"	Plow Bolt
3/4"x3.3/4"	Plow Bolt
3/4"x4"	Plow Bolt
3/4"x4.1/4"	Plow Bolt
3/4"x4.1/2"	Plow Bolt
3/4"x5"	Plow Bolt
3/4"	Plow Nut Hex
3/4"	Flat Washer

PLOW BOLTS, NUTS & WASHERS

CUTTING EDGES & END BITS

7/8" SIZE RANGE

Size	Part Type
7/8"x2.1/2"	Plow Bolt
7/8"x2.3/4"	Plow Bolt
7/8"x3"	Plow Bolt
7/8"x3.1/4"	Plow Bolt
7/8"x3.1/2"	Plow Bolt
7/8"x4"	Plow Bolt
7/8"x4.1/4"	Plow Bolt
7/8"	Plow Nut Hex
7/8"	Flat Washer

1" SIZE RANGE

Size	Part Type
1"x2.1/2"	Plow Bolt
1"x2.3/4"	Plow Bolt
1"x3"	Plow Bolt
1"x3.1/4"	Plow Bolt
1"x3.1/2"	Plow Bolt
1"x4"	Plow Bolt
1"x5"	Plow Bolt
1"x6"	Plow Bolt
1"	Plow Nut Hex
1"	Flat Washer

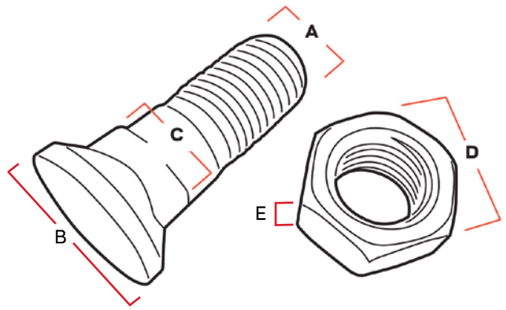
1.1/4" SIZE RANGE

Size	Part Type
1.1/4"x4"	Plow Bolt
1.1/4"x4.1/8"	Plow Bolt
1.1/4x4.1/2	Plow Bolt
1.1/4"x5"	Plow Bolt
1.1/4"x6.1/2"	Plow Bolt
1.1/4"	Plow Nut Hex
1.1/4"	Flat Washer

1.3/8" SIZE RANGE

Size	Part Type
1.3/8"x4.1/2"	Plow Bolt
1.3/8"x6"	Plow Bolt
1.3/8"	Plow Nut Hex

PLOW BOLTS, NUTS & WASHERS



PLOW BOLT & NUT DIMENSIONS

Plow Bolt Size	Bolt Head Diameter	Bolt Square Size	Nut Width	Nut Height
A	B	C	D	E
1/2″	24mm	13mm	19mm	12mm
5/8″	26mm	16mm	24mm	14mm
3/4″	30mm	19.3mm	28mm	16mm
7/8″	35mm	22.5mm	32mm	19mm
1″	40mm	25.6mm	37mm	22mm
1.1/4″	51mm	34mm	46mm	26mm
1.3/8	61mm	35.4mm	51mm	29mm

PLOW BOLT LENGTH GUIDE FOR BOLT-ON CUTTING EDGES

Edge Thickness	12mm	16mm	20mm	25mm	30mm	40mm	50mm	60mm
Bolt Size	Bolt Length (inches)							
5/8″	1.3/4″	2″	2.1/4″	2.1/2″	3″	3″	3.1/2″	
3/4″		2.1/4″	2.1/4″	2.1/2″	2.3/4″	3″	3.1/2″	
7/8″				2.1/2″	3″	3.1/2″	4″	
1″				2.1/2″	3″	3.1/2″	4″	5″
1.1/4″				4″	4″	4.1/2″	4.1/2″	5″
1.3/8″						4.1/2″	4.1/2″	6″

RECCOMENDED PLOW BOLT TORQUE SETTINGS (FT-LB)

Bolt Size	5/8″	3/4″	7/8″	1″	1.1/8″	1.1/4″	1.3/8″
Torque ft-lb	200 ± 30	350 ± 45	550 ± 65	850 ± 110	1050 ± 150	1700 ± 220	2250 ± 220

Torque settings given are indicative only and have been estimated for bolts with light oil lubricant mostly as supplied.

STEEL PLATE PROCESSING

Expert processors & fabricators of the heaviest, hardest & toughest wear Steels in the world

"Largest range of wear Steel in NZ"

HARDER, TOUGHER, STRONGER

GET QUALITY STEEL SOLUTIONS FAST, WITH OUR EXPERT PLATE PROCESSING & FABRICATION SERVICES

We're direct importers of steel plate from world leading steel mills and stock a huge range of steel grades and thicknesses, for all types of structural and wear applications.

We specialise in the highest quality, through-hardened, quenched and tempered Wear steels for high wear and high impact areas.

Extreme wear resistance, toughness and durability has always been key to the success of our steel quality and perfomance. Our steel is the preferred choice by the largest Mines and Quarries in NZ, well proven in the most abrasive conditions in the world.

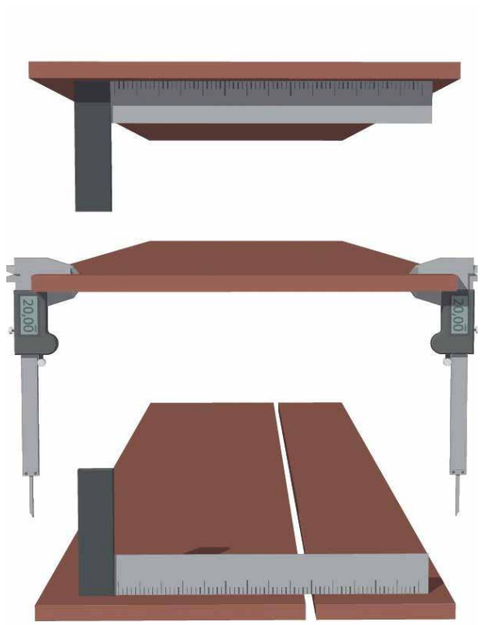
Our Abrason-Resistant steel provides a unique combination of hardness and toughness so you can build structures that are wear resistant, strong and lightweight at the same time.

With over 300 tonne of steel plate and profile in stock, and a full range of steel process-ing and fabrication services, we've got your needs covered.

We guarantee to deliver the toughest, most durable steel solutions with the fastest lead times in the industry. 90% of orders are dispatched within 24hrs.

TOUGHNESS
Toughness is the strength of our wear steel, making it possible to be bent, formed and welded without cracking. If hardened wear steel is stressed or deformed beyond its yield point it will resist cracking and if a localised crack should occur it will resist propagation.

HARDNESS
Hardness is what gives our wear steel its unique wear resistance and structural strength and delivers the same wear resistance throughout the steels entire life, because of its even through-hardness. Hardness also provides excellent yield and tensile strength to resist deformation.

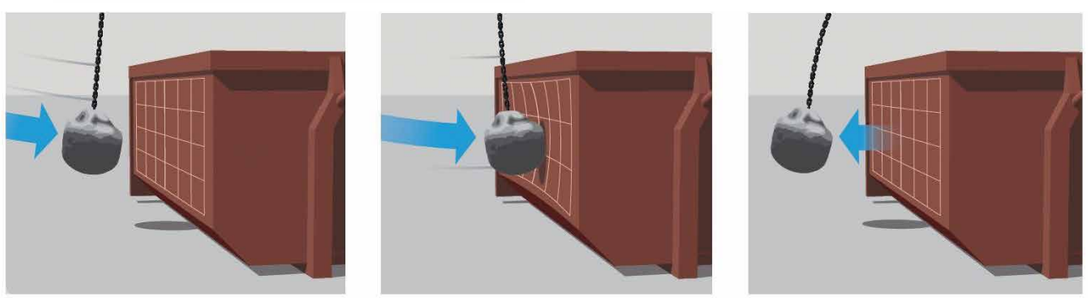


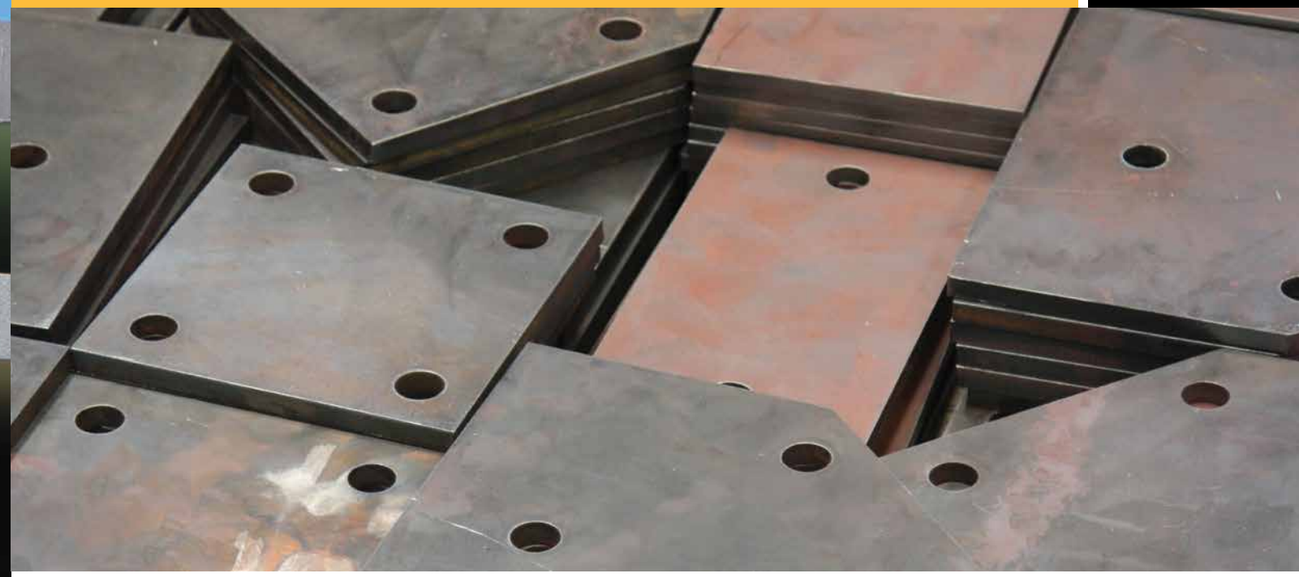
FLATNESS
Good for production and appearance. Flat plates can easily be welded to each other without problems with the welding gap. And if you are producing equipment with large flat surfaces they look great when painted or used as 'billboards'.

UNIFORM THICKNESS
Narrow tolerances guarantees your finished structure will be as light as you expect. And when processing the plate even a fraction of a millimeter counts, since bending force and springback are directly related to the thickness.

INTERNALLY RELAXED
Thanks to careful heat-treatment during production, our wear plate has uniform internal properties. This means that a plate will stay flat when cut into smaller pieces, whether it's cut cold or hot.

IMPACT RESISTANCE
The impact force from large and heavy objects is distributed over the plate, resisting dents and cracking. The metal absorbs the energy and returns to its orignial shape like a tennis racket hitting a ball.





G350 MEDIUM
TENSILE STEEL

G350 is a high strength steel, commonly used in the engineering and construction industries for structural and general fabrication. This steel has no wear properties, but is strong and is easy to cut, weld, form, drill, machine and tap.

Certified to AS/NZS 3678 structual steel standards.

MIN YIELD STRENGTH:	350 Mpa
MIN TENSILE STRENGTH:	450 Mpa
HARDNESS:	140-180 HBW
THICKNESS RANGE:	5-60mm

FULL SHEET SIZE: 6000 x 2400mm
2400 x 1500mm
2400 x 1200mm
9000 x 2400mm

APPLICATIONS:

- General fabrication
- Structural buildings
- Architectual structures
- Agricultural attachments
- Storage tanks
- Small Buckets

G780 HIGH TENSILE STEEL

G780 HIGH TENSILE STEEL

G780 steel is an extra high strength structural steel produced as quenched and tempered, with
a minimum yield strength of 700 Mpa and a minimum impact toughness of 27J is guaranteed at -40°C.

This steel is highly resistant to weld cracking, has good flexibility for high stress and impact applications and is easy to cut, weld, form, drill, machine and tap.

MIN YIELD STRENGTH:	700 Mpa
TENSILE STRENGTH:	780-930 Mpa
HARDNESS:	220-260 HBW
IMPACT TOUGHNESS:	27J (-40 deg C)
THICKNESS RANGE:	12-140mm

FULL SHEET SIZE: 6000 x 2400mm

APPLICATIONS:

- Excavator Bucket Edges
- Transport trailer chassis
- Bridge & building structures
- Lifting & hoisting equipment
- Ripper Shanks
- Machinery attachments

G400 ABRASION RESISTANT STEEL

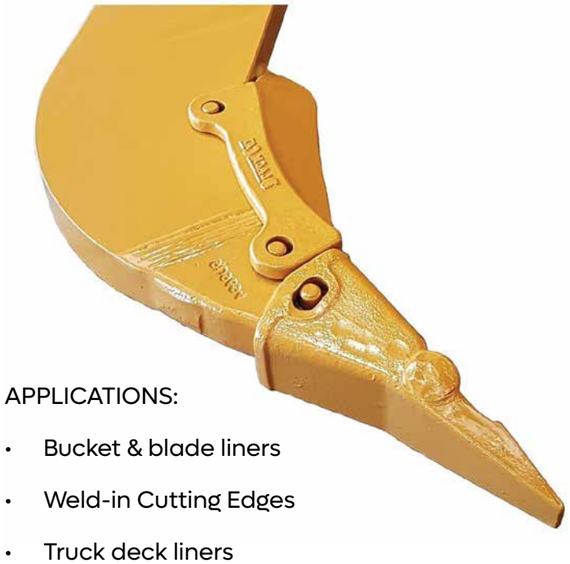
G400 is a through-hardened, quenched and tempered, abrasion-resistant steel used in high wear and impact applications.

This steel provides up to 4 times the wear life and strength of mild steel. It can be cut, welded, formed, drilled, machined and tapped with specialised tooling and processes.

Due to its versatility in terms of high toughness, good cold formability and excellent weldability, this steel combines outstanding workshop performance and long lasting wear resistance.

YIELD STRENGTH:	1160 Mpa
TENSILE STRENGTH:	1300 Mpa
HARDNESS:	370-430 HBW
IMPACT TOUGHNESS:	50J (-40 deg C)
THICKNESS RANGE:	40-90mm

FULL SHEET SIZE: 6000 x 2500mm



APPLICATIONS:

- Bucket & blade liners
- Weld-in Cutting Edges
- Truck deck liners
- Crusher plates
- Ripper Shanks
- Conveyors
- Feeders
- Wear strips

Guaranteed 90% through hardness!

G450 ABRASION RESISTANT STEEL

G450 is a through-hardened, quenched and tempered, abrasion-resistant steel used in high wear and impact applications.

This steel provides up to 6 times the wear life and strength of mild steel and can be cut, welded, formed, drilled, machined and tapped with specialised tooling and process-es.

The combination of good cold forming properties and excellent weldability makes this grade the best choice for long lasting, weld-on wear protection.

YIELD STRENGTH:	1250 Mpa
TENSILE STRENGTH:	1400 Mpa
HARDNESS:	420-480 HBW
IMPACT TOUGHNESS:	45J (-40 deg C)
THICKNESS RANGE:	5-60mm

FULL SHEET SIZE: 6000 x 2500mm
8000 x 2500mm

APPLICATIONS:

- Bucket & blade liners
- Weld-in Cutting Edges
- Truck deck liners
- Crusher plates
- Ripper shanks
- Conveyors
- Feeders
- Wear strips

Guaranteed 90% through hardness!

G500 ABRASION RESISTANT STEEL

G500 is through-hardened, quenched and tempered, abrasion-resistant steel, providing the ultimate wear resistance for severe, sliding abrasion.

This steel will last up to 10 times the wear life of mild steel due to its extra wear properties and heat-treatment process. It can be cut, welded, formed, drilled, machined and tapped using specialised tooling and pro-cesses.

The combination of superior hardness and high tensile strength of this grade makes it more suitable for bolt-on wear plates rather than weld-on plates.

YIELD STRENGTH:	1500 Mpa
TENSILE STRENGTH:	1700 Mpa
HARDNESS:	470-530 HBW
IMPACT TOUGHNESS:	30J (-40 deg C)
THICKNESS RANGE:	10-50mm

FULL SHEET SIZE: 6000 x 2500mm

APPLICATIONS:

- Bolt-on Cutting Edges
- Gears/sprockets
- Crusher wear plates
- Conveyor liners
- Hammers
- Screen plates
- Wear strips

Guaranteed 90% through hardness!

Bucket Wear Protection

Bolt-on Cutting Edges

Wear Strips

Bucket Liners

Truck Deck Liners

Ripper Shanks

MAXIMISE YOUR WEAR PROTECTION

PROTECT YOUR GEAR FROM WEAR & REDUCE MAINTENANCE COSTS WITH THE HARDEST, TOUGHEST & LONGEST LASTING OVERLAY PLATE AROUND.

This super hard wearing plate features a Chromium Carbide matrix that is welded onto a mild steel backing plate.

The large amount of hard Chromium Carbides allows this plate to thrive in extreme abrasion and impact applications, providing the longest possible wear protection.

The hardiness of this overlay plate is a composite of hard Chromium Carbides and tough, austenitic matrix. A variety of substrates such as stainless steel, nickel alloys and quenched and tempered steels, are used in the manufacturing process of this plate.

This plate can be easily formed to suit curves and contours. Welded studs or countersunk inserts can be fitted so plates become easily replaceable. Made to the highest quality and performance standards, this plate is the only choice for maximising your wear protection.

APPLICATIONS:

- Chute liners
- Bin & hopper liners
- Loader Bucket Liners
- Truck Deck Liners
- Dozer Blade Liners
- Crusher Plates
- Recycling Plants
- Wear Strips

RANGE OF SIZES & TECHNICAL SPECIFICATIONS

Part No	Chromium Thickness	Mild Steel Thickness	Total Plate Thickness	Hardness (HRC)	Chemical Composition			
					C (%)	Si (%)	Mn (%)	Cr (%)
5_ON_6_CC	5mm	6mm	11mm	57-62	4.5	1.45	1.5	35
7_ON_6_CC	7mm	6mm	13mm	58-63	4.5	1.45	1.5	35
7_ON_8_CC	7mm	8mm	15mm	58-63	4.5	1.45	1.5	35
8_ON_10_CC	8mm	10mm	18mm	58-65	4.5	1.45	1.5	35
10_ON_10_CC	10mm	10mm	20mm	58-65	4.5	1.45	1.5	35
12_ON_12_CC	12mm	12mm	24mm	58-65	4.5	1.45	1.5	35

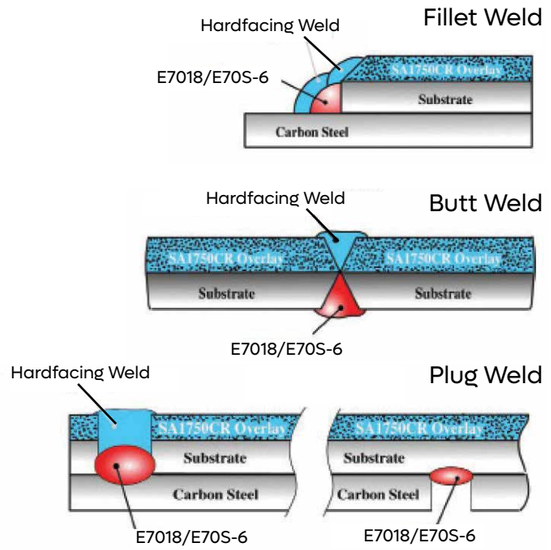
- **Abrasion Resistance:** The wear life of this plate is up to 30x longer than mild steel and up to 6x longer than G450 wear steel
- **Impact Resistance:** This plate can withstand a moderate level of continuous impact as long as it is fully supported underneath
- **Temperature Range:** This plate is designed to withstand heat up to 600 deg C
- **Characteristics:** The overlay surface of this plate consists of a series of weld beads with numerous hairline cracks. These cracks are a natural stress relief effect and are beneficial to the material. These cracks do not affect the performance of the plate
- **Full sheet size:** Chromium Carbide plate is available in full sheets 3500mm x 2100mm or cut to any shape and size

CHROMIUM CARBIDE OVERLAY PLATE
STEEL PLATE

FABRICATION INFORMATION

- **Cutting:** Chromium Carbide plate can be cut by using plasma, air arc or abrasive disc. Cutting should be done on the mild steel side to avoid contaminating the mild steel with chromium particles which can cause a brittle weld
- **Cold Bending:** This plate can be formed easily using a press brake or Rollers. Relief cracks are normal in the hard surface when forming. Caution when forming along the same direction as the overlay weld seams, structural cracking may occur when pressing a tight radius. Refer to the Rolling Limits table below;
- **Plate Grain:** Where possible, always have direction of the overlay weld seams (plate grain) running across the flow of the moving material. This helps to get even wear and prevents washing between the weld seams
- **Welding & Fitting:** This overaly plate can be using E70S-6 mig wire or E7018 electrodes or similar grades for welding mild steel. All weld seams, plug weld holes, bolt holes and other joints exposed to wear, should be protected by a weld cap of hard facing
- **Bolt-on Options:** Threaded studs can be fitted to the mild steel side, or pre-machined countersunk inserts can be welded in to the plate to suit cap screws. These fastening methods ensure quick changeovers when replacing them

Radius Rolling Limits		
Thickness	Chromium Outside	Chromium Inside
10-11mm	600mm OD	500mm OD
13-15mm	700mm OD	600mm OD
18-20mm	850mm OD	650mm OD
24mm	900mm OD	750mm OD



Threaded Stud

Countersunk Insert

CASE STUDY – FULTON HOGAN

INCREASED BUCKET LIFE, REDUCED DOWNTIME & MAINTENANCE COSTS

Fulton Hogan specialises in building and maintaining transport and civil infrastructure so our communities can operate safely and efficiently.

SITUATION:
Fulton Hogan Christchurch operates a large fleet of Wheel Loaders at their 4 fixed Quarry sites and 7 portable plants. The aggregate is highly abrasive causing wear and damage to the Loader Buckets if they are not adequately protected. Fulton Hogan needed a long lasting wear liner kit to protect the inside of their Buckets from wear.

RESPONSE:
West-Trak worked closely with Fulton Hogan to understand their needs and provide the ultimate Bucket liner solution. We used Chromium Carbide Overlay Plate which outlasts Abrasion Resistant steel by up to 5 times, resulting in less downtime and maintenance costs.

Need a Loader Bucket wear package that works?
Talk to us today 0800 654 323

OUTCOME:
The below benefits were acheived

- 4 to 5 times longer wear life over standard Buckets, which means less Bucket work and down time
- It is a lot easier to work with than normal wear plate
- Very little maintenance - easy to repair cracks and chips
- Significant savings in downtime and maintenance costs

Dozer Blade Liners

Truck Deck Liners

Excavator Bucket Liners

Loader Bucket Liners

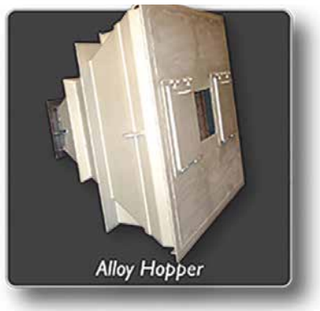
STEEL INDUSTRY APPLICATIONS


Coke Injection Line Elbows


High Blast Furnace Coke Screens

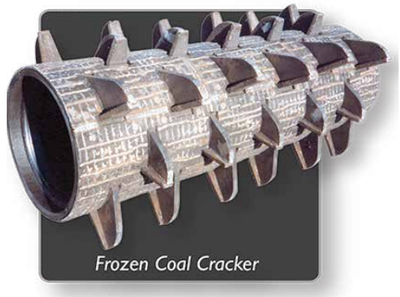

Reverse Fan Box


Dust Handling System


Alloy Hopper


Replaceable ID Fan Housing Liners

POWER INDUSTRY APPLICATIONS


Frozen Coal Cracker


Cyclone Burner Door


Square to Round Transition


Journal Liner

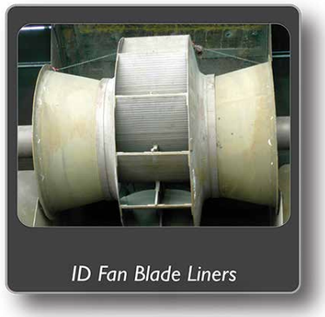

T-Fired Burner Barrel


Crusher Screen Plate

CEMENT INDUSTRY APPLICATIONS


Stationary Classifier Blades


Slurry Transport Pipes


ID Fan Blade Liners


Raw Mill Nozzle

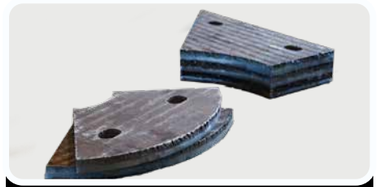

Augers


Raw Mill Classifier Cone

QUARRY & MINING INDUSTRY APPLICATIONS

BARMAC RING KITS

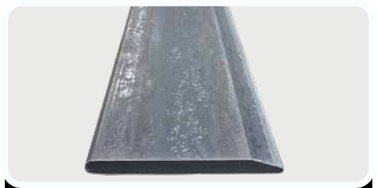
CRUSHER LINER PLATES



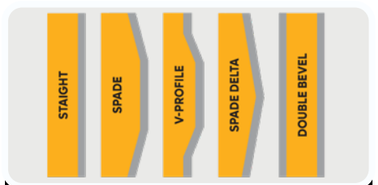
CHROMIUM CARBIDE (CC) LINERS

CC WEAR PLATE

CUTTING EDGES: BOLT ON



CUTTING EDGES: WELD ON



CUTTING EDGE PROFILES

BASE EDGES

BUCKET LINERS

CC BUCKET LINERS

TOP DECK PUNCH PLATE

SCREEN MEDIA

SCREEN TENSIONER BAR

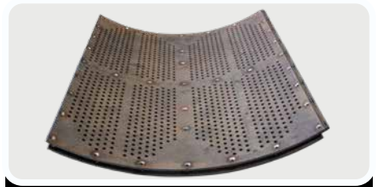
HOPPERS & LINERS

CC HOPPER LINERS

QUARRY & MINING INDUSTRY APPLICATIONS

CHEEK WEAR PLATES

APRON FEEDERS



TROMMEL PUNCH PLATES

WELD-ON LINING PLATES

HOPPER GRIZZLY SCREENS

CONVEYOR PADDLES

CHUTES & LINERS

SHREDDER LINERS

MIXER PADDLES

GRIZZLY SCREENS

IMPACTOR WEAR LINERS

SCRUBBER DISCHARGE CONES

STEEL PLATE OFFCUTS

PALLET LOADS OF OFFCUTS & HANDY SHEETS OF STEEL ARE AVAILABLE IN A RANGE OF GRADES & THICKNESSES

- Great for making your own Wear Parts and Plates to armour up Buckets, Blades, Crushers and other wear areas that need protecting
- Offcuts are available in 500kg pallets of G450/G500 grade wear steel, from 10-50mm thickness and Chromium Carbide plate from 10-24mm thickness
- All offcuts are subject to availability

NEED FAST, ACCURATE PLATE

GET IT RIGHT HERE WITH OUR CNC PLASMA & GAS CUTTING CAPABILITIES

We're experts at profile cutting the heaviest and hardest steel plate up to 200mm thick. Our high definition CNC Plasma and Gas cutting machines make easy work of producing the most accurate and highest quality cut.

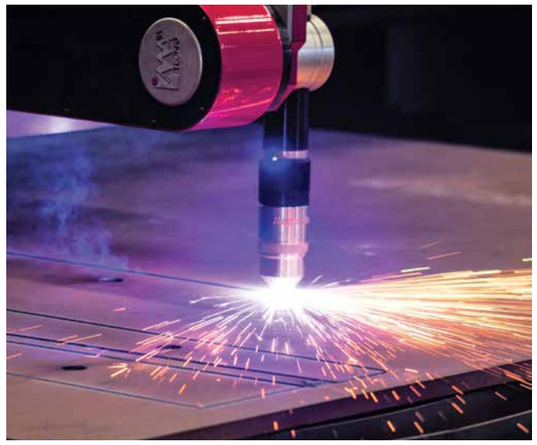
You'll get the largest range of Wear steel in NZ and the fastest lead times in the industry, with our specialist plate processing skills and machinery.

PROFILE CUTTING CAPABILITIES:

- 12m x 3.4m cutting area
- 400amp high definition Plasma for cutting 1-50mm thick plate
- Oxy-fuel gas for cutting 60-200mm thick plate
- 360-degree bevel head with a 45 degree cutting angle
- True-hole technology for very accurate hole cutting tolerances
- Solidworks CAD drawing and Pronest software plate management systems

Send us your DXF drawing files to cut from or our professional design team can draw up your cutting requirements. We can convert your sketches and templates into fully scaled working drawings. Our mechanical design engineers are also available to measure up on-site.

We offer a complete range of steel grades and thicknesses from 5mm-140mm, for all types of structural and extreme wear applications. Guaranteed fast delivery times - 90% of orders are dispatched within 24hours!



High Definition Plasma Cutting

Oxy-fuel Gas Cutting

CNC PROFILE CUTTING

STEEL PLATE

Screen Plates

Mill Anvil Plate

Cutting Edges

Grizzly Bars

Wear Strips

Shooting Targets

Structural Steel Base Plates

PRECISION PLATE MACHINING

OUR TEAM OF HIGHLY SKILLED FITTER TURNERS & MACHINISTS CAN SHAPE THE HARDEST WEAR STEELS INTO YOUR REQUIRED PART.

Using specialised tungsten tip tooling and techniques we can machine G450 and G500 grade Abrasion Resistant steels with ease. We have a huge range of tooling on hand for all types of machining requirements.

You'll get high quality workmanship, fast turnaround times with guaranteed form, fit and function. Our professional engineers and mod-con machinery can produce the tightest tolerances and most precision accuracy.

With a large machine shop and years of fitter turning experience, we offer all the tools and tolerances you need! Our engineers are master craftsmen, skilled in fitting, turning, welding, tool making and mechanical problem-solving.

Our work includes hole building and boring, joint/pivot repairs, CNC Drilling, Milling, Tapping, Line Boring and Lathing.

OUR MACHINES:

- CNC Machining Centre with a 60-piece tool set
- CNC Horizontal Lathe with a 3m travel bed
- 3x Vertical Milling and Drilling Machines
- Line Boring Unit with 450mm ID boring capacity

OUR TOOLING:

- Drilled holes: 5mm to 75mm Ø
- Counterbored holes: 10mm to 75mm Ø
- Countersunk Plow Bolt holes: 1/2" to 1.3/8"
- Cap Screw holes: 10mm to 30mm Ø
- Threaded holes: 10mm to 30mm Ø

Cap Screw Holes

Keyway Holes

Drilled & Counterbored Holes

Plow Blot Holes

Threaded Holes

Lineboring

HEAVY WELDING EXPERTISE

WE'RE EXPERTS AT WELDING THE HARDEST, TOUGHEST & THICKEST WEAR STEELS

Our steels require specialist welding methods to survive the roughest wear and tear environments. Extreme working conditions need extreme know-how to deliver strong, long lasting, high performing wear parts.

Our team of certified fitter/welders are highly skilled at welding High Tensile and Abrasion Resistant wear steels from 5mm to 140mm thickness. We specialize in custom building wear products for the Quarry, Mining, Forestry and Engineering industries.

You'll get guaranteed workmanship and the right welding processes that work. We ensure the correct weld preps, pre and post heating, welding wire and weld finishing procedures are strictly adhered to.

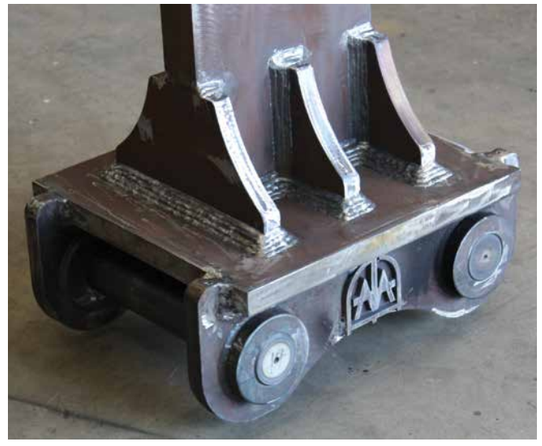
We use the best brands of quenched and tempered, steels that comply to AS3597 and welding consumables that comply to AS/NZS 1554.4 standards
Our qualified welding staff are certified to AS/NZS 1554.4 and AS2980 structural welding procedure standards.

We also offer Threaded Stud welding for replaceable wear plates in fixed and mobile crusher applications, which makes it super quick and easy to change-out worn plates, reducing downtime and maintenance costs.

Threaded studs are available from 10-20mm diameter and in any length. The advantage of studs is you can wear your plates down much thinner, compared to using a bolt or cap screw as the heads eventually wear off and the plates will come loose.

Abrasion Resistant Material (A.R.M) is a Tungsten chip and hard-facing wire mix that can be applied to Bucket Teeth, Cutting Edges and other wear parts to extend their service life and performance.

Pre-Fabricated Bucket Lips



Excavator & Dozer Rippers

Stud Welding

A.R.M Hardfacing

HARDENED STEEL PLATE PRESSING

WE CAN FORM THE HARDEST & TOUGHEST WEAR STEELS INTO ANY SHAPE & SIZE WITH OUR 500 TONNE CNC PRESS BRAKE

Rely on our heavy engineering experience to supply the best brands and highest quality steel Plate, formed to your required shape. As direct importers, stockists and processors of Wear steels, we can form the hard stuff for any application.

Our experts can press or roll all grades and sizes of steel including Mild steel, Medium Tensile, High Tensile, Abrasion Resistant and Chromium Carbide Overlay Plate.

We deliver fast, customised forming solutions to suit your needs with guaranteed quality, fitment and performance.

Our mechanical design engineers can come to your site to measure up your rolled plate requirements, or you can send us drawings and templates to work from.

Call 0800 654 323 to discuss your plate forming needs now.

PLATE FORMING APPLICATIONS:

- Excavator and Loader Bucket Liners
- Dozer and Grader Blade Liners
- Bucket Building
- Truck Deck Liners
- Crusher Plate Liners
- Hoppers, Chutes and Screen Liners
- Gold Screen Trommel Plates

Bucket Liners

Blade Liners

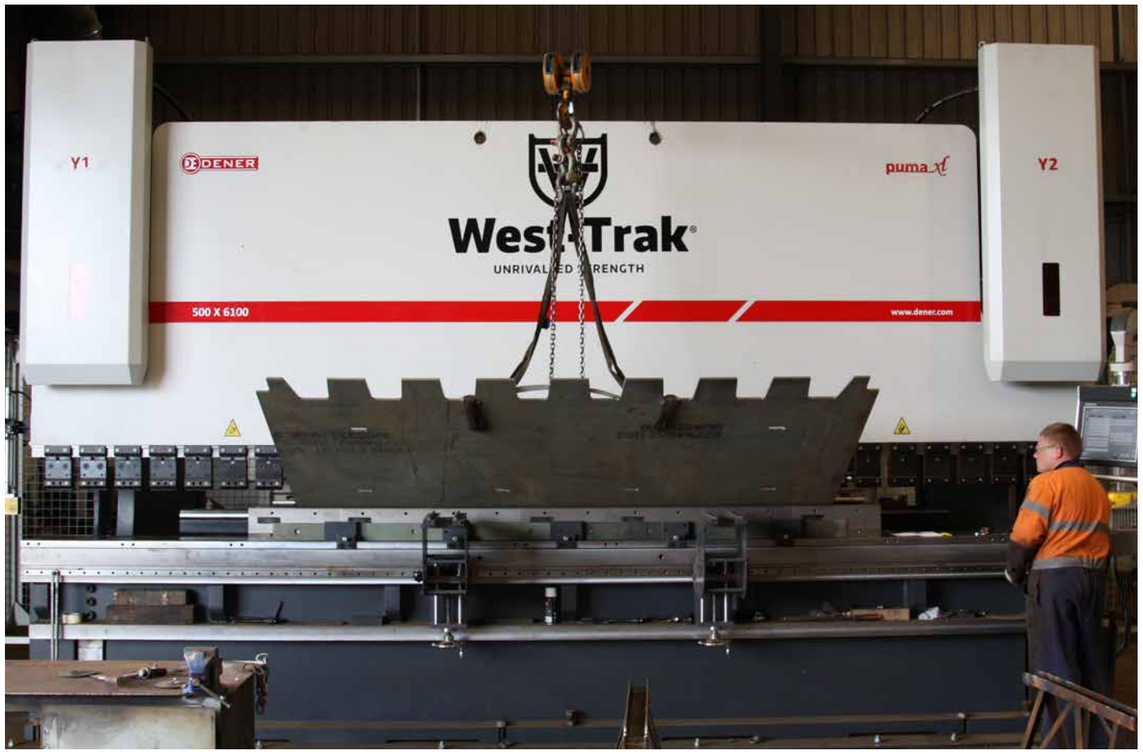
Truck Deck Liners

Trommel Screens

Crusher Rings

Chute Liners

500 TONNE PRESS BRAKE



GET YOUR PLATE PRESSED TO SHAPE WITH OUR 500 TONNE PRESS BRAKE!

This new addition completes our full in-house suite of steel processing machinery and value-adding services, to deliver everything you need from a one-stop-shop.

With our extensive range of tooling, we can press most grades and thicknesses of steel plate up to 6100mm wide and to any radius or angle within the material and tooling limits.

We're experienced in working with the toughest abrasion-resistant steels and can measure it, draw it, cut it, press it, machine it and weld it to suit your needs.

This 5-axis CNC Press Brake will ensure a precise pressing result every time and you'll get one of the fastest lead times in the industry for pressed and processed plate.

WE'LL DELIVER THE RIGHT FORM, FIT & FUNCTION TO SUIT YOUR NEEDS!

Our team of experienced mechanical design engineers and CAD drawing experts have the skills to measure and make customised wear products to suit your requirements.

We can convert your hand-drawn sketches, cardboard or steel templates into 3D working drawings, ready for the press. You can also send us your DXF files to quantify and quote.

We've been drawing, designing and reverse engineering steel products for over 25 years and know what works best in the most extreme wear applications.

Our field technicians are equipped with the tools and know-how for on-site measure-ups. We'll save you the hassle of measuring and ensure your pressed parts fit correctly.

Our pressing capabilities are outlined in the tables below for each grade of plate. These are based on using 10mm radius knives which are rated to 150 tonnes/metre and can only be used for bump pressing shallow angles across the thickness range of plates.

Different tooling is required for angles over 40 degrees to prevent the plate from cracking. This may affect the width that can be pressed. Please check with our workshop team to confirm your pressing requirements can be achieved.

Medium Tensile Steel G350 (450Mpa)			
Plate Thickness	Maximum Width	Tonnage Required	V-Block Size
4mm	6100mm	44	150
5mm	6100mm	69	150
6mm	6100mm	99	150
8mm	6100mm	176	150
10mm	6100mm	275	150
12mm	6100mm	395	150
16mm	5800mm	500	200
20mm	3500mm	315	300
25mm	3500mm	492	300

High Tensile Steel G780/80HT (930Mpa)			
Plate Thickness	Maximum Width	Tonnage Required	V-Block Size
4mm	6100mm	91	150
5mm	6100mm	141	150
6mm	6100mm	204	150
8mm	6100mm	363	150
10mm	6100mm	425	200
12mm	4900mm	497	200
16mm	3500mm	416	300

Abraison Resistant Steel G450 (1400Mpa)			
Plate Thickness	Maximum Width	Tonnage Required	V-Block Size
4mm	6100mm	137	150
5mm	6100mm	214	150
6mm	6100mm	308	150
8mm	6100mm	409	200
10mm	4700mm	499	200
12mm	3500mm	353	300
16mm	2700mm	493	300

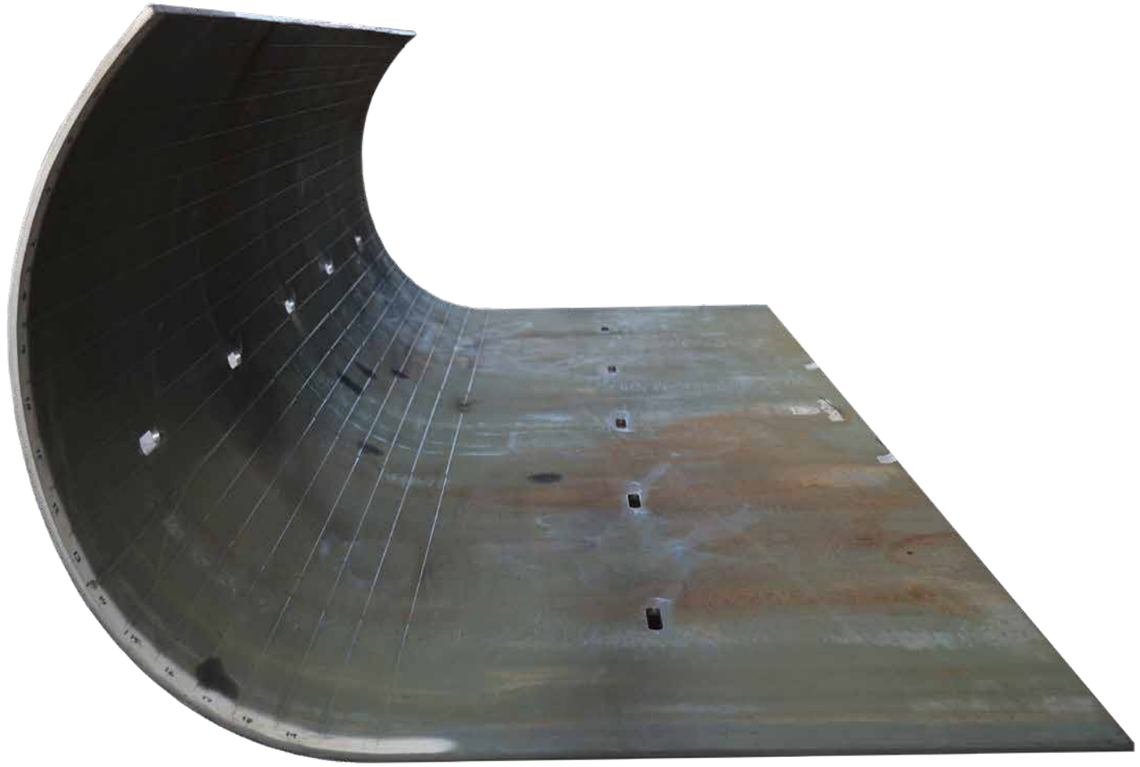
PRESSING CAPABILITIES GUIDE

STEEL PLATE

Abraison Resistant Steel G500 (1600Mpa)			
Plate Thickness	Maximum Width	Tonnage Required	V-Block Size
10mm	4100mm	498	200
12mm	3500mm	403	300

Chromium Carbide Overlay Plate			
Plate Thickness	Maximum Width	Tonnage Required	V-Block Size
11mm	3500mm	350	150
13mm	3500mm	350	150
15mm	3500mm	350	150
18mm	3500mm	350	150
20mm	3500mm	350	150
24mm	3500mm	350	150

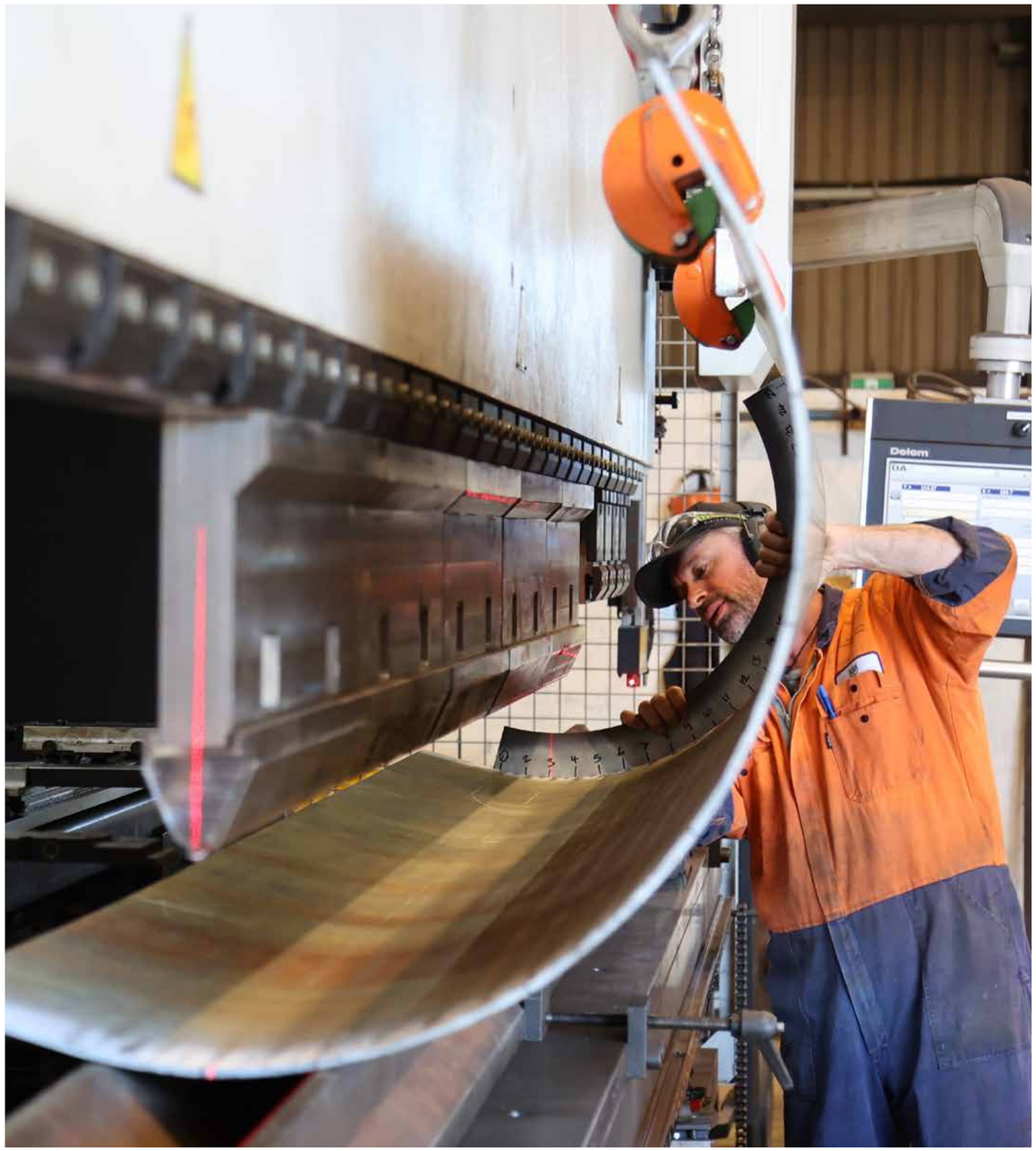
We stock the largest range of abrasion resistant wear Steels in NZ & can deliver it nationwide in any shape or size!



PRESS BRAKE TOOLING

We have a large range of press brake tooling, which includes 30-300mm V-Blocks and 100-150 tonne/metre knives, which allows us to press a wide range of plate sizes.

A combination of the right V-Block size, type of knives, steel plate grade, thickness and width is needed to achieve the desired pressed outcomes, which is calculated with the help of our software and CNC controller.



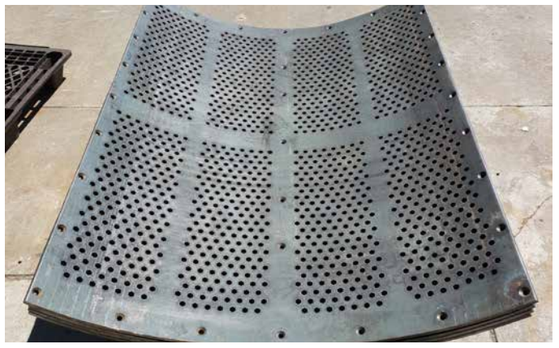
PRESSED PLATE APPLICATIONS

Bucket Liners

Blade Liners

Truck Bodies

Hopper & Chute Liners



Crusher & Screen Plates

Rolled Trommels

CRUSHER WEAR PARTS

Are you crushing rock & rubble? Get quality wear parts that last longer & increase your production.

“Customised options to suit your needs”

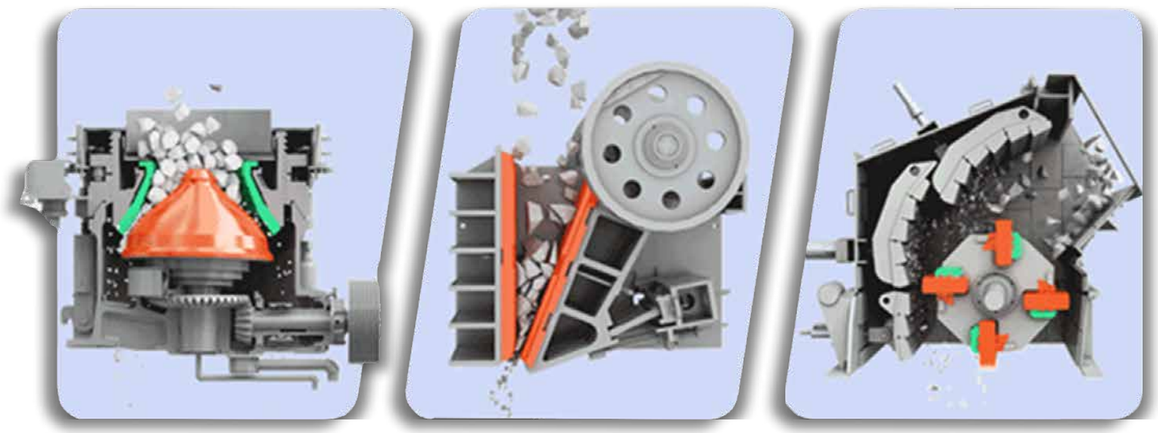
ARE YOU CRUSHING IT?

You'll need the toughest wear parts & solid back-up support to maximise your crushing
productivity & performance.

We offer a large range of quality Crusher parts for all makes & models of Cone Crushers, Jaw Crushers, Impact Crushers & Hammer Mills.

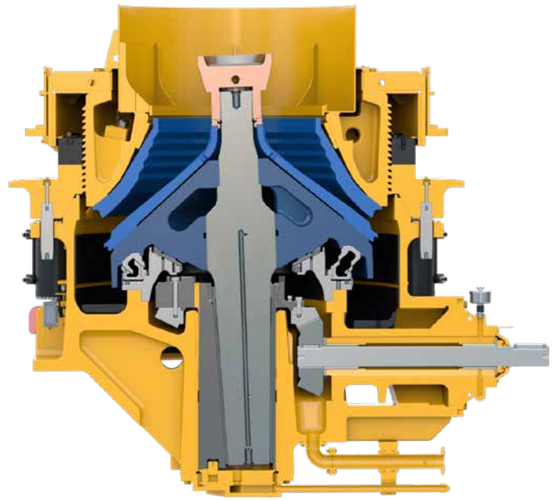
Our Crusher parts are high quality castings, guaranteed to perform in the most extreme wear & impact conditions.

- Customised options of Manganese & Chrome Iron material compositions to suit your needs
- Well proven in the hardest, most abrasive rock Quarries in the world
- Free on-site measure ups & technical advice
- Custom made parts from 500HB abrasion steel & Chromium Carbide overlay plate



CONE CRUSHER | JAW CRUSHER | IMPACT CRUSHER

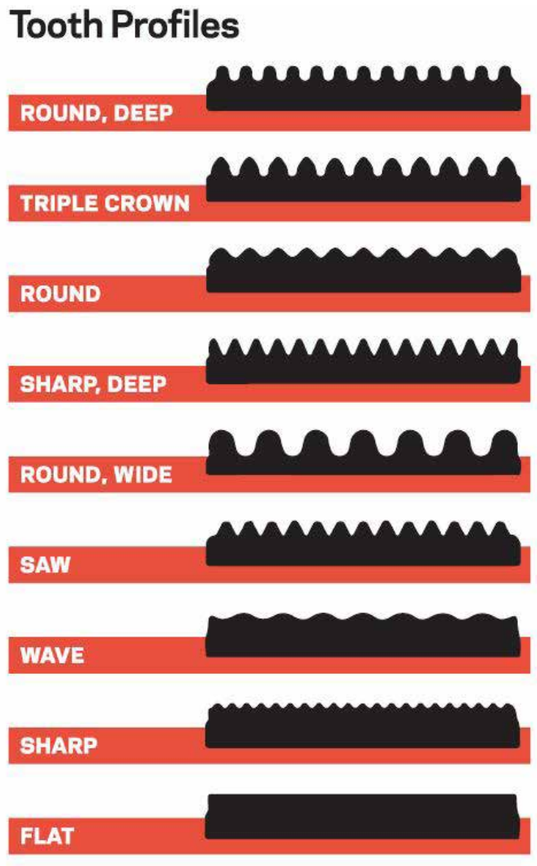
CONE CRUSHER PARTS



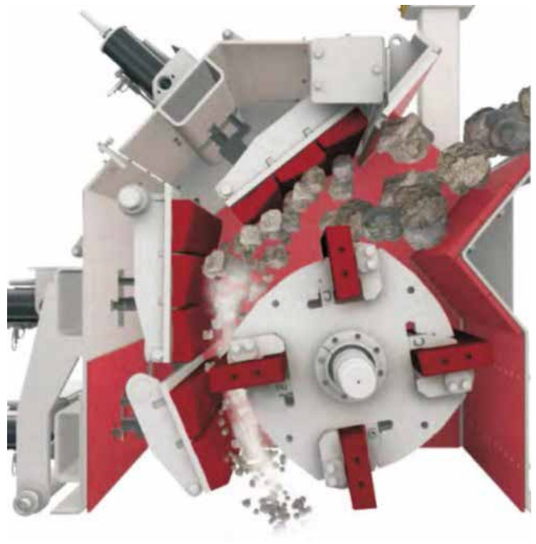
- We offer a wide range of quality Concave Bowl Liners, Mantles & supple mental parts for all brands of cone crushers
- Our parts are cast from the highest grade of ferro Manganese & Chromium to provide the hardest composition, for maximum wear resistance in the most extreme crushing conditions
- Custom designs & compositions can be made to best suit your crushing needs

JAW CRUSHER PARTS

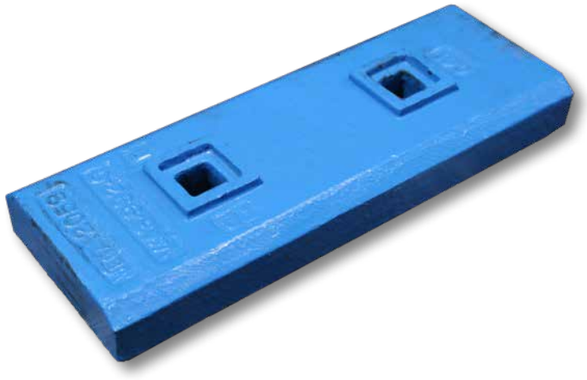
- A large range of quality Jaws, Toggle Plates & Cast Cheek plates are avaiable for all brands of Jaw Crushers
- Our Jaws & Cheek plates are cast from the highest grade of ferro Manganese & Chromium, to provide the hardest composition for maximum wear resistance
- We offer a wide variety of tooth profiles & surface shapes to best suit your crushing needs. Custom designs & compositions can also be made to suit your needs



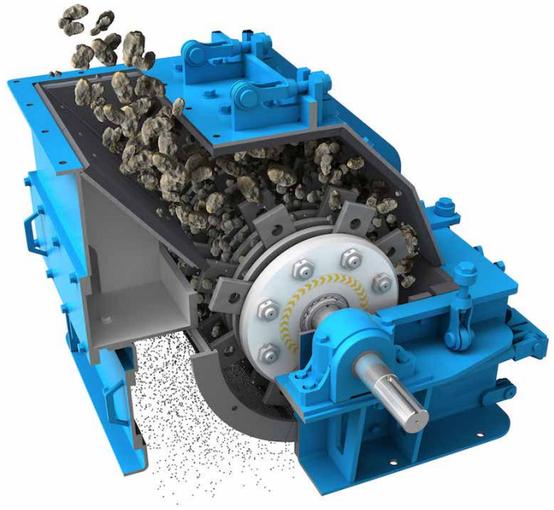
IMPACT CRUSHER PARTS



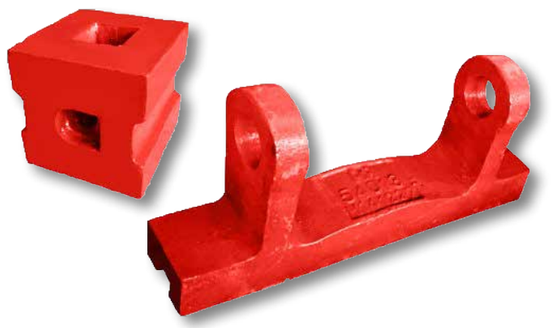
- We stock a large range of quality Blow Bars, Impact Plates & Side Liner Plates for all brands of horizontal shaft Impact crushers
- Our Blow Bars & Impact plates are cast from the highest grade of ferro Manganese & Chrome Iron. Options of integrated Chrome Ceramic & integrated Martensitic Ceramic compositions are also available
- Custom designs & compositions can be made to best suit your crushing needs



HAMMER MILL PARTS



- We offer a large range of Hammers, custom made Side Liner Plates & Gridbars for all brands of Hammer Mills
- Our Hammers are cast from the highest grade of ferro metals, to provide the hardest compositions for maximum wear resistance in the most extreme crushing conditions
- Custom designs & compositions can be made to best suit your crushing needs



CUSTOM MADE CRUSHER PARTS

Liner plates with threaded studs

Wear plates with keyway holes

Machined Hammer Mill plates

Grizzly Screen Grid Bars

Rolled Chromium Carbide liners

Profile Cut Screen Plates

RIPPER PRODUCTS

Rip into it with tougher & stronger ripping components for Excavators, Dozers, Graders & Tractors.

"Tough ripping solutions that work"

RIPPER PRODUCT RANGE

STRONGER, TOUGHER, CUSTOM BUILT RIPPER SHANKS ARE AVAILABLE TO SUIT ANY MACHINE & ANY APPLICATION, SUPPORTED BY THE LARGEST RANGE OF RIPPER PRODUCTS IN NZ!

DOZER RIPPERS

Custom designed Ripper Shanks for all makes and models of Dozers

EXCAVATOR RIPPERS

Custom designed Ripper Assemblies for all makes and models of Excavators

GRADER RIPPERS

A range of Ripper Shanks for all makes and models of Graders

WHEEL TRACTOR RIPPERS

Custom designed Aerator Rippers for Wheel tractors

RIPPER PRODUCT RANGE

A FULL RANGE OF RIPPER COMPONENTS ARE AVAILABLE TO FIT ALL MAKES & MODELS OF DOZER, EXCAVATOR, GRADER & WHEEL TRACTOR RIPPERS

CAT STYLE RIPPER PRODUCTS

A range of Noses, Teeth and Protectors available to suit all sizes and types of Ripper Shanks

KOMATSU STYLE RIPPER PRODUCTS

A range of Noses, Teeth and Protectors available to suit all sizes and types of Ripper Shanks

ESCO STYLE RIPPER PRODUCTS

A range of Noses and Teeth available to suit all sizes and types of Ripper Shanks

DOZER RIPPER SHANKS
RIPPER PRODUCTS

WHAT A RIPPER

YOU NEED TOUGH DOZER RIPPING SOLUTIONS, WE'VE GOT THEM!

- High quality, standard or custom designed Ripper Shanks to suit all makes & models of Bulldozers
- Made from G450 Abrasion-Resistant steel for maximum strength & wear life
- Any size, shape and length for all ripping applications, with multiple height adjustment holes
- Correct ripping angle and shank curve for better penetration and improved ripping performance
- A full range of pin-on and weld-on wear components available in-stock

DOZER RIPPER SHANKS

THE TABLE & DRAWINGS BELOW SHOW THE SIZE & SHAPE OF COMMON CAT STYLE DOZER RIPPER SHANKS

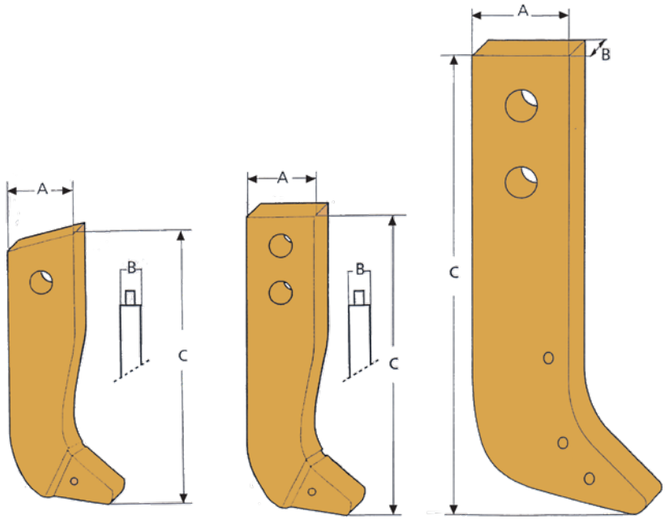


Fig. 1 Fig. 2 Fig. 3

Fig	Part No	A	B	C	Machine Size
1	9J6586	140	60	530	D4
2	8J3215	176	75	850	D6
2	9W7382	229	75	1240	D7
3	4T8989	330	75	2015	D8/D9
3	4T8990	330	75	1610	D8/D9

All measurements in millimetres

- Custom built Rippers up to 90mm thickness
- Designed and engineered to suit your specific needs


West-Trak
West-Trak
West-Trak
West-Trak


ELITE
TWINHOOK

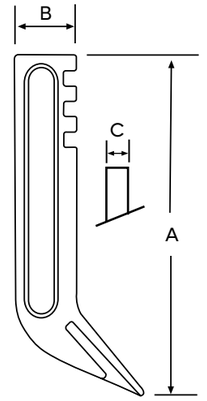
GRADER RIPPER SHANKS

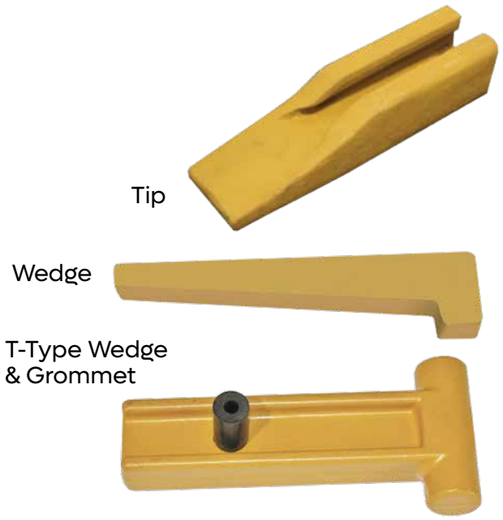
GRADER RIPPER SIZES

RIPPER PRODUCTS

A RANGE OF LARGE & SMALL RIPPER SHANKS ARE AVAILABLE TO SUIT ALL MAKES & MODELS OF MOTOR GRADERS. CUSTOM DESIGNS CAN BE BUILT FOR ANY APPLICATION

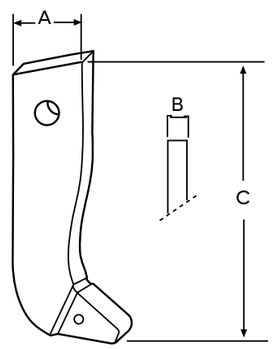
SCARIFIER RIPPER SHANKS





Shank No	A	B	C	Tip	Wedge	T-Type	Grommet
9F5124	420	76	25	6Y5230	WT-Wedge	5K-1459	5K-1458

LARGE RIPPER SHANKS



Shank No	A	B	C	Tip	Pin	Retainer
9J6586	138	60	530	6Y0309	9W2668	8E6359

ANY SIZE, ANY SHAPE

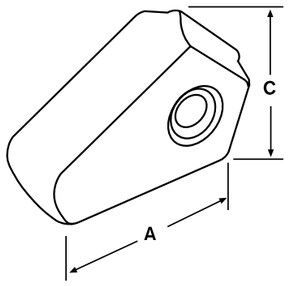
CUSTOM MADE AERATOR, PRE RIPPER, SUBSOLIER & PIPE LAYING RIPPER SHANKS ARE AVAILABLE TO FIT ALL TYPES OF WHEEL TRACTOR ATTACHMENTS & APPLICATIONS

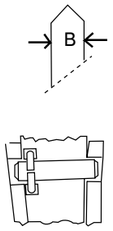
- Made from G450 Abrasion Resistant steel for maximum strength & wear life
- Fitted with replaceable pin on teeth

CAT STYLE REPAIR NOSES

SMALL REPAIR NOSE

Used for replacing worn or broken Ripper noses





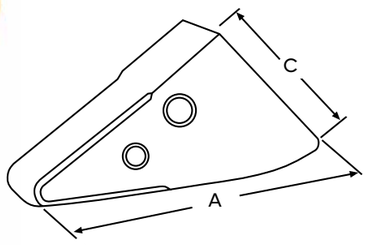
Tip Mounted with Pin and Washer

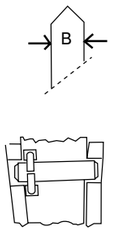
Part No	A	B	C	Machine Size	Kg	Pin	Retainer
8E7300	135	55	85	D4/D5	2.5	9W2668	8E6359
8E7350	170	73	110	D6/D7	5.5	9W2678	8E6359

All measurements in millimetres

LARGE REPAIR NOSE

Used for replacing worn or broken Ripper noses



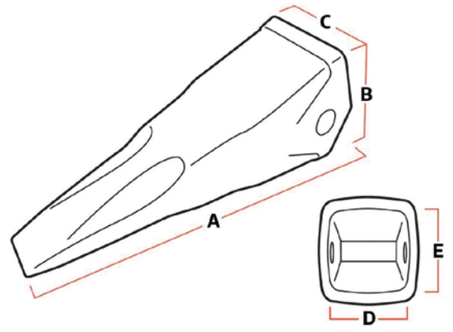


Tip Mounted with Pin and Washer

Part No	A	B	C	Machine Size	Kg	Pin	Retainer
9U9694	355	75	204	D8/D9	20	6Y3394	8E4743
107-3361	380	90	265	D10/D11	42	6Y3909	4T4707

All measurements in millimetres

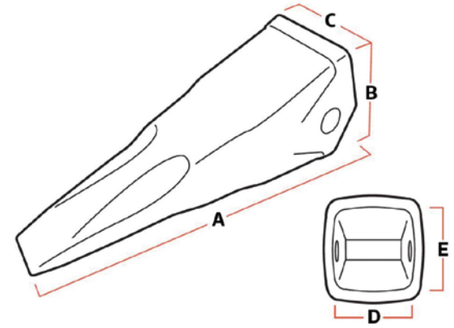
CENTRELINE TIP



	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
6Y0352	350	145	118	77	115	D6/D7	12
9W2452	370	167	125	88	130	D8/D9	22
4T4502	440	220	150	105	180	D10/D11	30

All measurements in millimetres

PENETRATION TIP

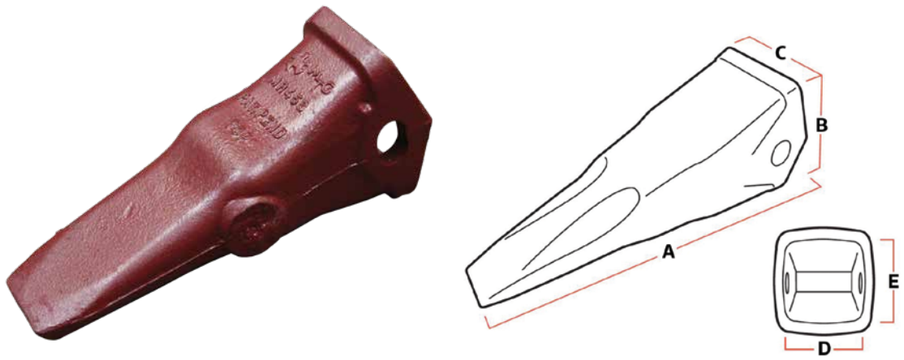


	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
6Y0309	285	102	82	60	85	D4/D5	6
6Y0359	348	145	118	77	115	D6/D7	12
4T5452	390	172	140	88	130	D8/D9	20
4T5501	390	225	160	105	180	D10/D11	25
4T5502	430	233	164	105	180	D10/D11	33

All measurements in millimetres

CAT STYLE RIPPER TEETH

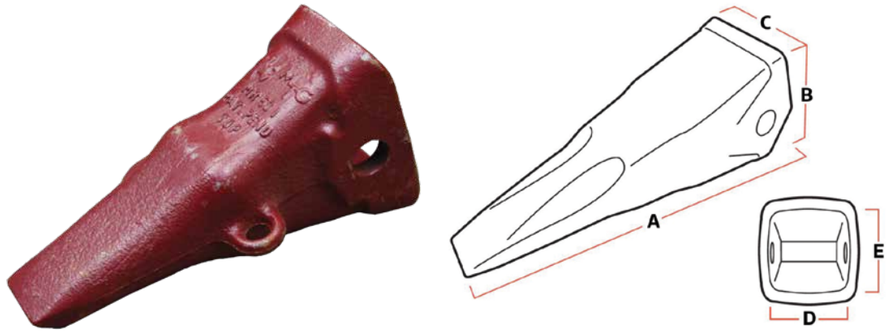
STANDARD TIP - Premium quality self-sharpening design (MTG)



	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
MR45S	375	180	120	88	130	D8/D9	16

All measurements in millimetres

IMPACT TIP - Premium quality, self-sharpening design (MTG)

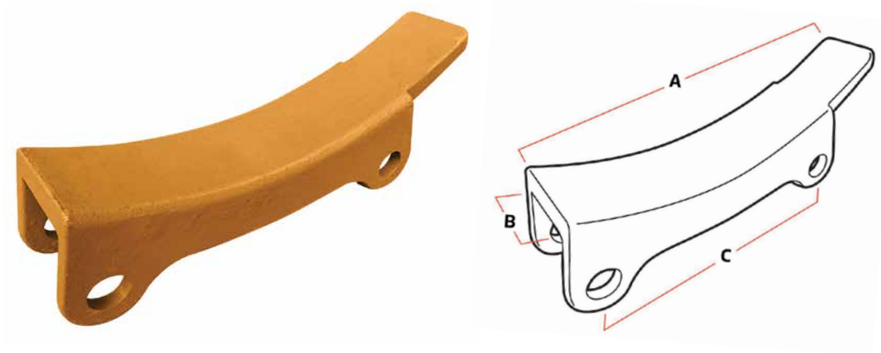


	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
MR50I	410	230	155	105	180	D10/D11	27

All measurements in millimetres

CAT STYLE SHANK PROTECTORS

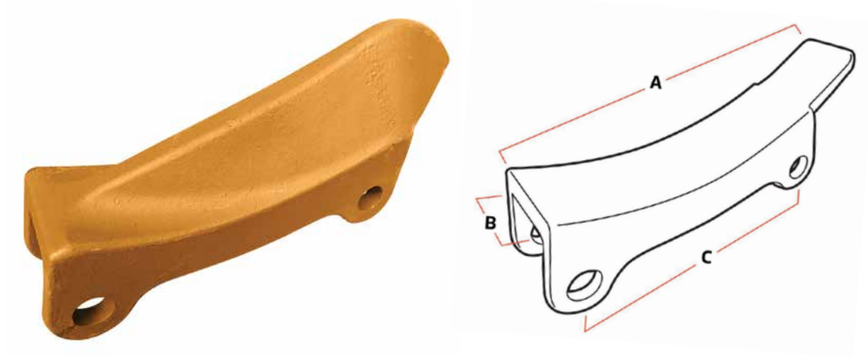
STANDARD PIN-ON PROTECTOR



Part No	A	B	C	Machine Size	Kg
6J8814	435	80	312	D8/D9	14

All measurements in millimetres

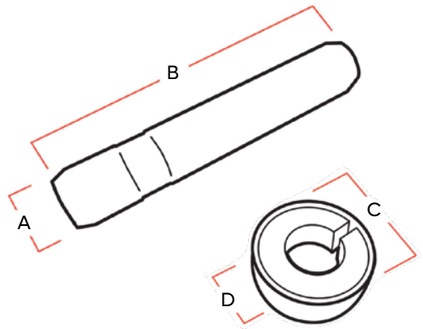
HEAVY DUTY PIN-ON PROTECTOR



Part No	A	B	C	Machine Size	Kg
8E1848	450	83	312	D8/D9	25
9W8365	540	96	400	D10/D11	40

All measurements in millimetres

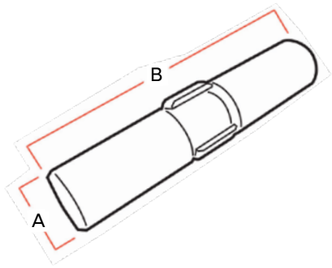
PIN AND RETAINER



Pin No	Retainer No	A	B	C	D	Machine Size	Notes
9W2668	8E6359	19	89	40	18.5	D4/D5	Tooth Pin/Retainer
9W2678	8E6359	19	106	40	18.5	D6/D7	Tooth Pin/Retainer
6Y3394	8E4743	25	128	48	24.5	D8/D9	Tooth & Protector Pin/Retainer
6Y3909	4T4707	32	143	63	31	D10/D11	Tooth & Protector Pin /Retainer

All measurements in millimetres

PIN ASSEMBLY



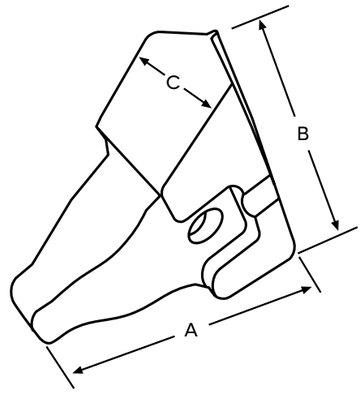
Part No	A	B	Machine Size	Notes
4T2479BC	25.4	128	D8/D9	Top Protector Pin
6J8811	32	115	D8/D9	Bottom Protector Pin
3G0500	32	152	D10/D11	Tooth & Protector Pins

All measurements in millimetres

ESCO STYLE RIPPER TEETH

WELD-ON REPAIR NOSE

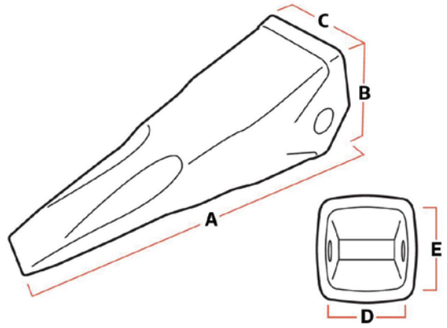
Used for replacing worn or broken Ripper noses



Part No	A	B	C	Machine Size	Kg
25RN	190	170	88	D6/D65	9
35RN	250	225	110	D7/D85	20
39RN	330	243	128	D8/D155	28

All measurements in millimetres

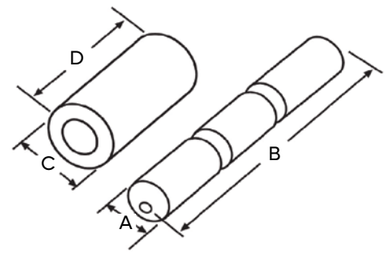
STANDARD TIP - Premium quality, self-sharpening design (MTG)



	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
MNR25S	260	110	90	66	90	D5/D6/D65	6
MNR35S	310	165	120	90	120	D7/D85	12
MNR39SR	430	188	144	95	132	D8/D155	22

All measurements in millimetres

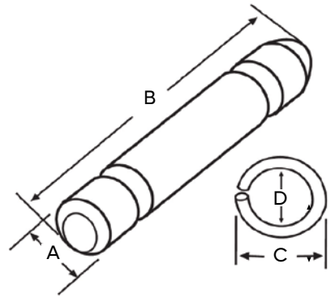
PIN & BUSH



Pin No	Bush No	A	B	C	D	Notes
25RPG	25RBG	13	92	23	65	for all brands of teeth
35RPG	35RBG	13	121	21	83	not for MTG teeth

All measurements in millimetres

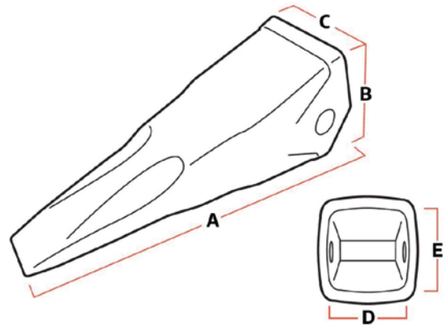
HEAVY DUTY PIN & RINGS



Pin No	Ring No	A	B	C	D	Notes
35RPH	39/49SR	22	127	33	21	only for MTG teeth
39RPH	39/49SR	22	151	33	21	for all brands of teeth

All measurements in millimetres

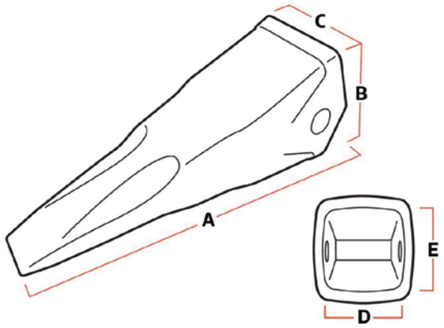
ECONOMY TIP



	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
141-78-11253	263	155	120	80	110	D65/85	11.5

All measurements in millimetres

CENTRELINE TIP

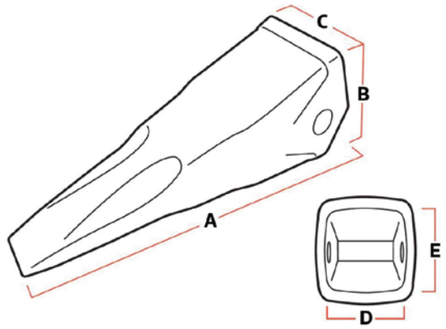


	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
175-78-31230	365	165	110	85	125	D85/D155	16
195-78-21331	370	198	125	84	150	D275/D355	10

All measurements in millimetres

KOMATSU STYLE RIPPER TEETH

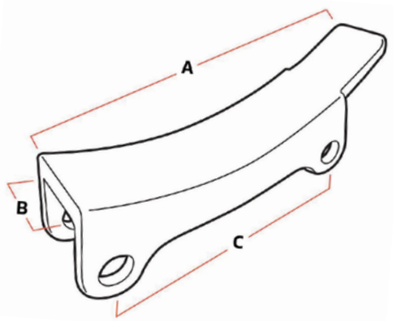
PENETRATION TIP



	External			Internal			
Part No	A	B	C	D	E	Machine Size	Kg
195-78-71320	445	214	125	77	160	D375	25
198-78-21340	495	255	150	105	190	D475	25

All measurements in millimetres

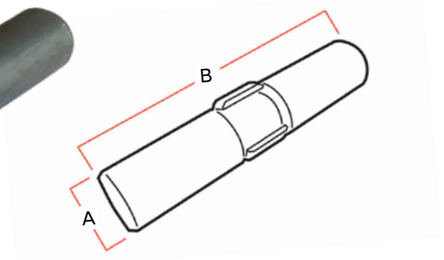
STANDARD PIN ON PROTECTOR



Part No	A	B	C	Machine Size	Kg	Pin Assembly
195-78-21320	410	80	345	D85/D155/D275	15	175-78-21810

All measurements in millimetres

PIN ASSEMBLY



Part No	A	B	Machine Size
175-78-21810	25	116	D65/D85/D155/D275
195-78-71360	30	112	D375
175-78-21340	30	153	D475

All measurements in millimetres

UNDERCARRIAGE

Stay on track with our huge range of Undercarriage Parts for all makes & models of Excavators, Dozers & Crawler Cranes

TUFF Superseal® Chains

IT'S THE CHAIN THAT'S MAKING TRACKS IN THE EARTH MOVING & FORESTRY INDUSTRIES. A REVOLUTIONARY DESIGN AVAILABLE ONLY FROM WEST-TRAK.

EXTENDING CHAIN LIFE WITH BREAKTHROUGH TECHNOLOGY, OUR TUFF SUPERSEAL CHAINS INCORPORATE A UNIQUE INTERNAL DESIGN GIVING YOU:

- Up to 30% Longer chain life
- Reduced seizing
- 50% Quieter throughout chain life
- Designed to reduce noise for machines working in civil areas
- 50% Longer Lubrication in the seals
- Increasing operator comfort with smoother ride and less noise
- Reduced internal wear, maintaining original chain pitch
- Reduced external bush & sprocket wear
- Reduces snaking and detracking

UNDERCARRIAGE SOLUTIONS

ARE YOU ON THE RIGHT TRACK?

KEEP YOUR MACHINES ON TRACK WITH OUR LARGE RANGE OF UNDERCARRIAGE PARTS FOR MOST MAKES & MODELS OF EXCAVATORS & DOZERS

We've been NZ's trusted Track Gear specialists for over 30 years, with a huge range of Undercarriage Parts in stock, to fit most makes and models of Excavators and Dozers up to 100 tonne. Crawler Crane track parts are also available for cranes up to 800 tonnes.

Our Track parts are high quality aftermarket brands, which interchange with OEM fitment and are well proven in Forestry, Mining, Quarry and Construction industries, often outperforming other brands and delivering the best cost per hour.

We're committed to increasing your uptime and reducing unexpected downtime. As a one-stop-shop, you'll get trusted advice, guaranteed quality, fast service and reliable back-up support to keep your machines moving.

Large stocks of track parts are warehoused in Auckland and Westport to support our customers Nationwide. Track Presses and bolt-up tables are also based in each of these locations.

With our team of experienced track technicians we offer a range of services including Track Shoe re-lugging, Track Group bolt-ups, Pin and Bush turns, on-site wear measuring and technical advice.

You can rely on our expertise and huge database of machine models to deliver the right parts, fast. We know what fits your machine, so repeat ordering is quick and easy.

Our international network of world leading manufacturers ensures we have your Undercarriage needs covered, with access to the largest range of parts on the planet.

GREASED & SEALED EXCAVATOR CHAINS

HIGH QUALITY, KOREAN MADE GREASED & SEALED EXCAVATOR CHAINS ARE AVAILABLE FOR MOST MAKES & MODELS OF STEEL TRACKED EXCAVATORS

Grease filled and sealed with polyurethane seals (not steel) for quiet operation and extended wear life.

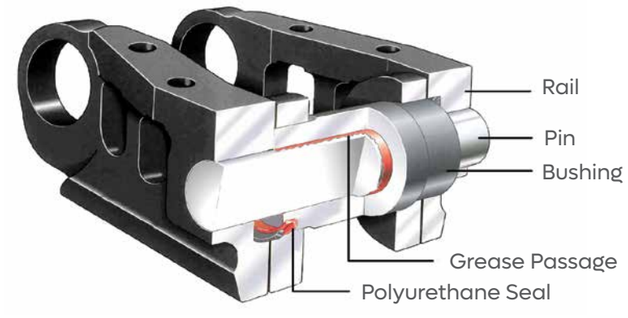
Polyurethane seals prevent abrasives from entering the internal pin and bushing, reducing bush wear.

Internal bushing life is extended about 20% compared to dry Chains.

Rails are heat treated boron steel, hardened to 48-56RC up to 10mm deep for increased service life and higher wear resistance.

All pins and bushes are hardened to 55-60RC.

Heavy Duty EWL (Extended Wear Life) Chains are available for some models. These have bigger bushes and higher rails for greater strength and extended wear life.



SALT TYPE DOZER CHAINS

HIGH QUALITY, SEALED & LUBRICATED DOZER CHAINS ARE AVAILABLE FOR MOST MAKES & MODELS OF BULLDOZERS

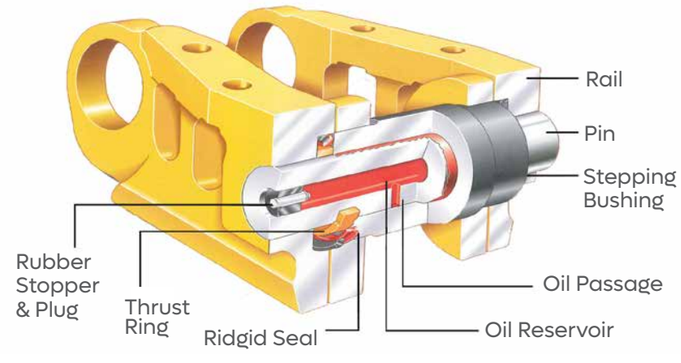
Oil filled lubricant eliminates internal friction and wear between the pin and bushing Internal bushing life is extended by up to 50% compared to standard sealed tracks.

Every link is individually pressure tested for guaranteed sealing.

Rails are heat treated boron steel, hardened to 48-56RC up to 13mm deep for increased wear life and wear resistance.

Pins and bushes are hardened to 55-60RC.

Heavy Duty EWL (Extended Wear Life) Chains are available for some models. These have bigger bushes and higher rails for longer service life.



SPARE TRACK LINKS & PINS

- A large range of spare Track Link Kits and Master Pin Kits are available for all Greased and Sealed Excavator Chains and SALT type Dozer Chains.
- These are available as individual Links pressed together with 2x Rails, 1x Bush, 1x Track Pin and 2x Seal Groups.
- Master Pin Kits are available as Press fit type and T-type to suit various Chains and come with 2x steel Seals.

Excavator Link Kit

Press fit Master Pin

T-type Master Pin

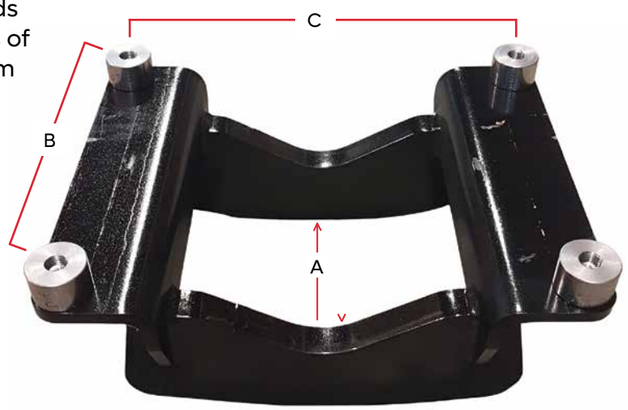
Dozer SALT Link Kit

EXCAVATOR TRACK GUARDS

STAY ON TRACK WITH US

GET LONGER LIFE FROM YOUR EXCAVATOR CHAINS BY USING TRACK GUARDS

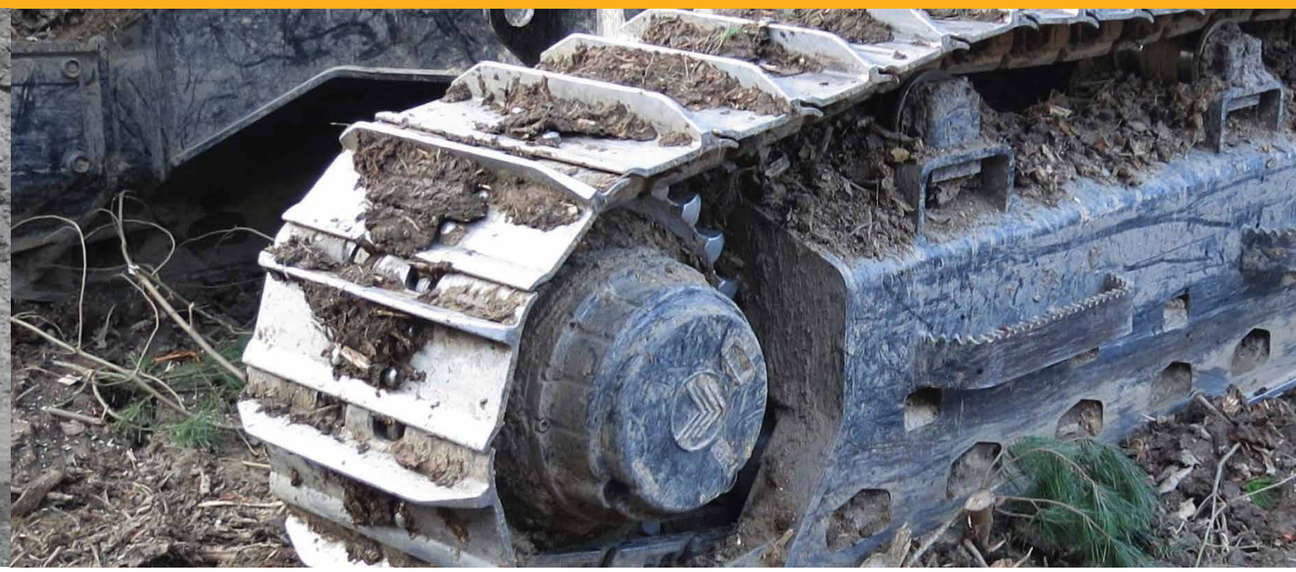
- High quality, custom made Track Guards are available for all makes and models of 10-40 tonne size Excavators. Made from G450 Abrasion resistant wear steel for maximum strength and wear life.
- Our Track Guards have 4 x mounts that weld to your track frame and the Track Guards bolt to them. Multiple Track Guards can be fitted along the track frame to get full length protection.
- Track Guards prevent your Excavator Chains from snaking and de tracking, prolonging the life of your Chains and Rollers. These are a must have for steep slope and Forestry applications where Roller flange wear and Chain snaking can be a big issue.
- All Track Guards come with 4x bolts and spring washers included.



Part No/Size	A	B	C	KG
10-14_TON	200mm	280mm	235mm	14
16-24_TON	240mm	320mm	425mm	35
25-29_TON	255mm	340mm	240mm	25
30-35_TON	270mm	380mm	260mm	40
40_TON	290mm	374mm	455mm	45

1 BAR DOZER SHOES

1 BAR FORESTRY SHOES



WHEN PUSHING PERFORMANCE MATTERS!

MAXIMISE YOUR TRACTION & PUSHING POWER WITH OUR 1 BAR DOZER SHOES

- Standard Dozer Shoes with no mud holes are available for light duty, low abrasion applications such as agricultural and civil earthworks.
- Extreme Service Shoes (ESS) are available for high impact, high abrasion applications such as Quarry, Mining and Forestry. These Shoes are thicker and stronger with more wear material and resistance to bending.
- Options of Round or Trapezoidal mud holes to help reduce material packing in landfill, Forestry and sticky clay applications.
- Large range of sizes and styles are available to suit most makes and models of Dozers.

No Mud Hole

Trapezoidal Mud Hole

Round Mud Hole

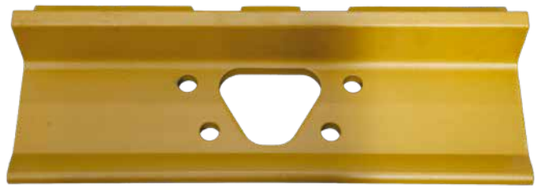
STICK TO THE SLOPES SAFELY

GET MORE GRIP & STAY SAFER ON THE SLOPES WITH OUR 1 BAR TRACK SHOES

1 BAR FORESTRY SHOES

- Extreme Heavy duty Shoe, which is thicker and stronger, with more resistance to wear and bending. More suitable for welding
- extensions on.
- Options of Round or Trapezoidal mud holes to clear debris and prevent material packing in the Chains.
- Options of Square or Clipped lug corners for maximum slope stability and ease of turning.
- Large range of Shoes for most makes and models of Forestry machines from 20 - 50 tonne size.

Clipped Corners



Square Corners

2 & 3 BAR EXCAVATOR SHOES

2 BAR FORESTRY & MINING SHOES

- Designed for Forestry, Quarry and Mining Excavators in heavy duty and high abrasion applications
- Extreme Service Shoe (ESS) type which is thicker and stronger than a standard Shoe
- Higher lug height providing more penetration and traction than a 3 bar Shoe
- Round or Trapezoidal mud holes to prevent material packing in the Chains
- Large range of sizes available to suit most makes and models of Excavators

Round Mud Hole

Trapezoidal Mud Hole

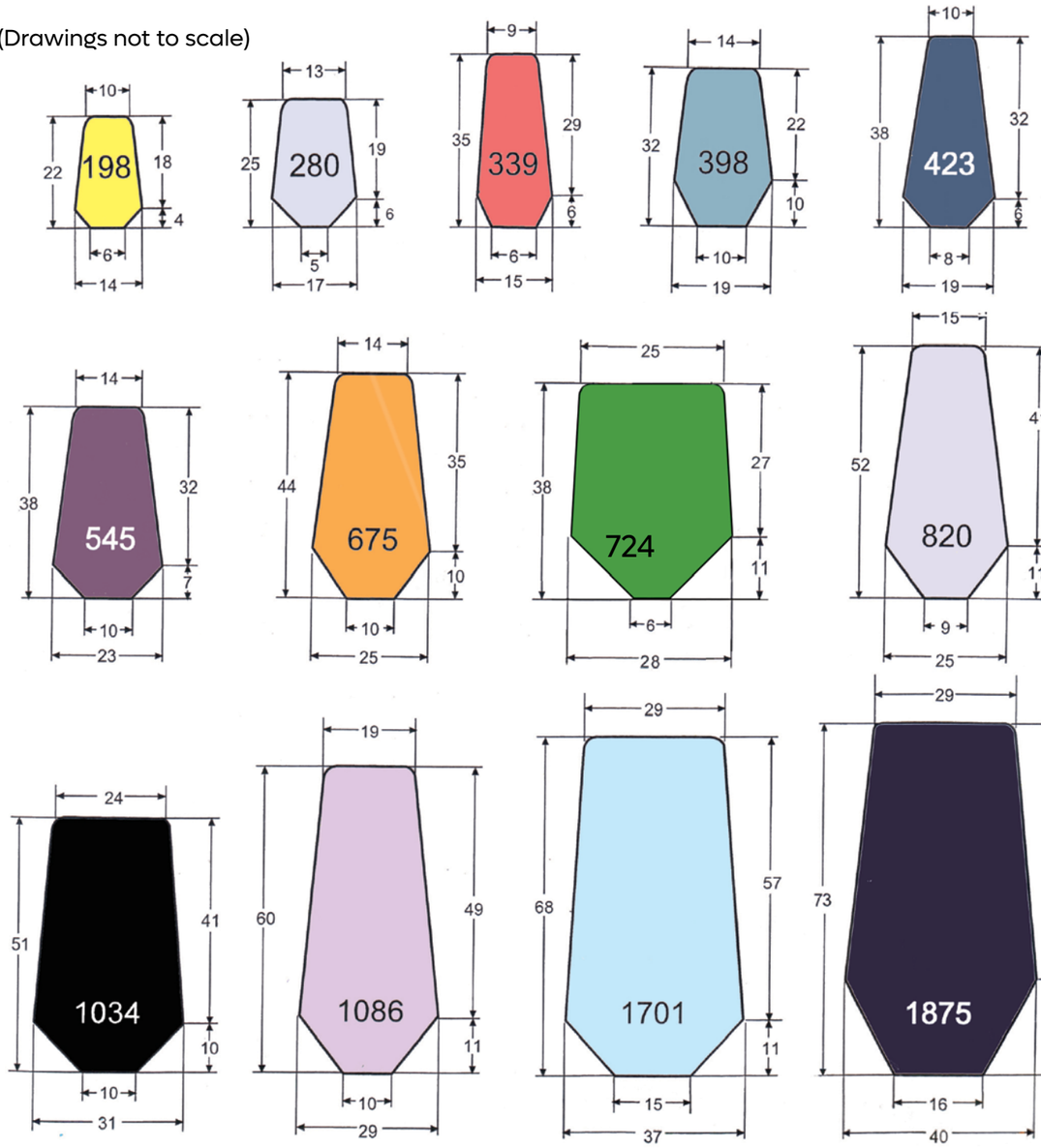
3 BAR STANDARD SHOES

- A general purpose Shoe for Excavators that provides good flotation and moderate traction
- Recommended for applications that require good turning capability with minimal ground disturbance
- Oval shape mud holes to prevent material packing in the Chains
- Large range of sizes available to suit most makes and models of Excavators

GROUSER RELUG BAR

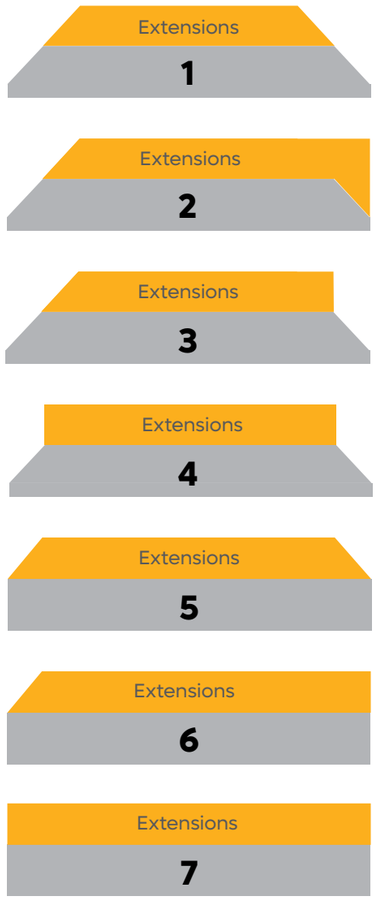
- A great way to increase your machine's traction by re-lugging your old Shoes, or enhancing your new ones
- Available in 3m lengths or cut to any size
- Heat treated to 450HB for long wear life
- These can be welded using low hydrogen electrodes, E7018, and Mig 71T flux core wire or equivalent

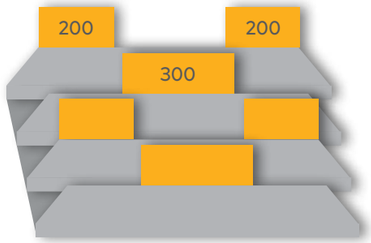
(Drawings not to scale)



RE-LUG OPTIONS

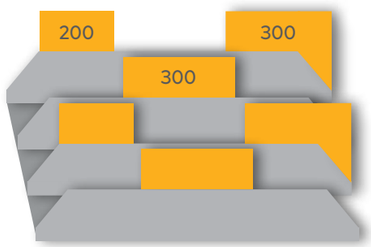
Forestry work punishes your undercarriage. That's why we offer Re-Lug Options to restore, upgrade, & extend the life of your track shoes giving you serious traction in steep, rugged terrain.



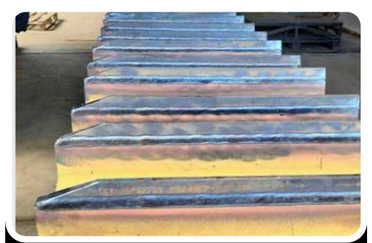


Staggered Lug Pattern 1

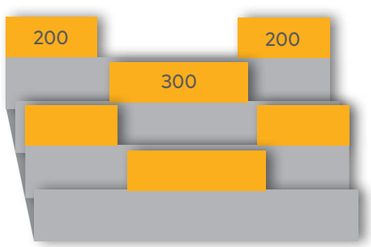
Extentions 2



Staggered Lug Pattern 2



Extentions 6



Staggered Lug Pattern 3

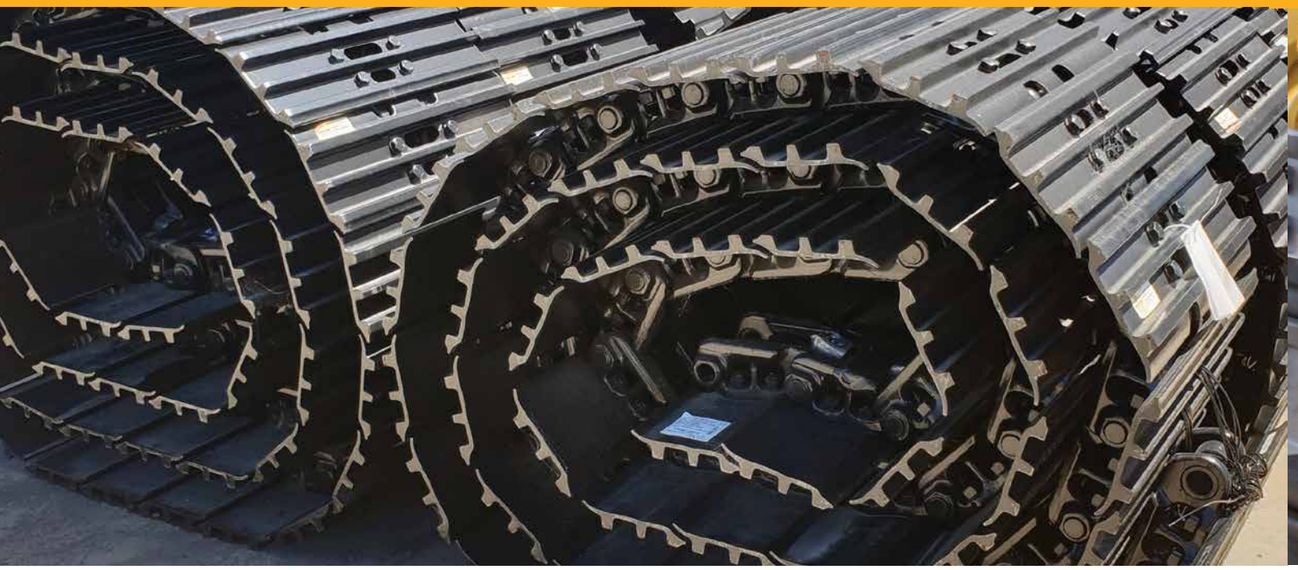
Staggered Lug Pattern 2

MAXIMISE YOUR TRACTION ON FORESTRY MACHINES

STAY SAFE & STICK TO THE SLOPES WITH GROUSER BAR GRIP.
THIS 'STAGGERED' GROUSER BAR PATTERN WILL DO JUST THAT.

- Better ground penetration, increasing traction
- Reduces sideways slippage on hillsides
- Less grouser bar and welding, reducing weight and downtime
- Less packing of material on top of the Shoes
- Can be fitted to 1, 2 & 3 Bar Shoes
- Increased safety on the slopes

CALL US NOW
0800 654 323



Ready to roll on

SAVE YOURSELF THE HASSLE OF BOLTING TRACK SHOES TO YOUR CHAINS AND BUY THEM READY TO ROLL ON AS A TRACK GROUP

We make track replacements easy by supplying Track Groups with your choice of Track Shoes already bolted on. You can just roll off the old, roll on the new and keep on tracking!

A huge range of 1, 2 and 3 Bar Track Groups are available for most makes and models of Excavators and Dozers up to 100 tonne.

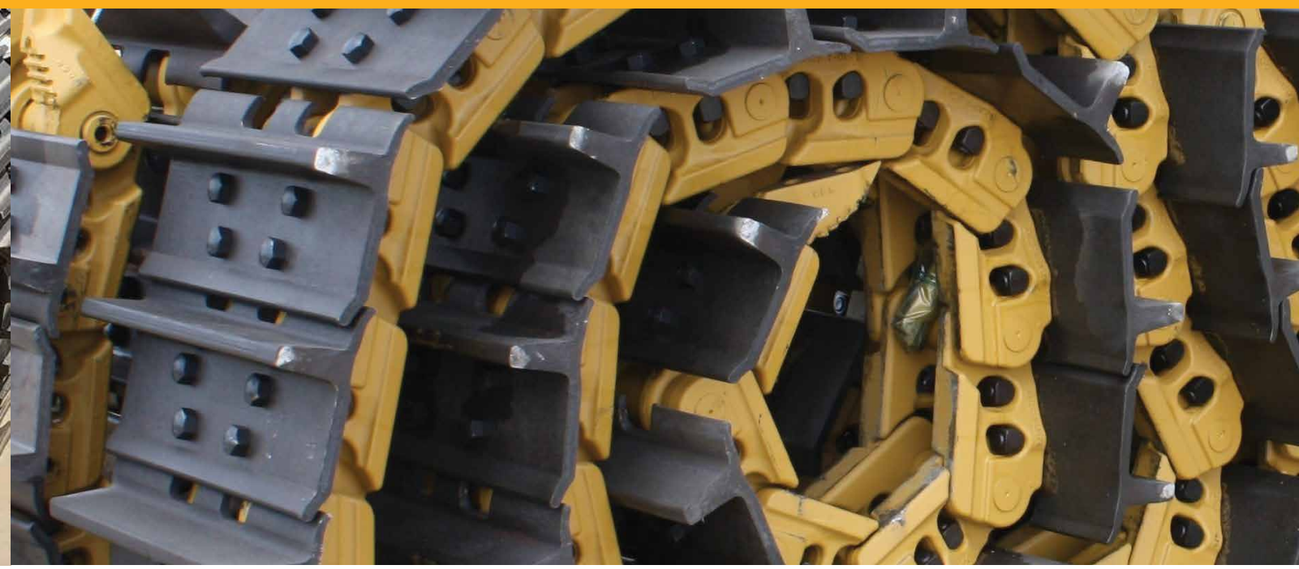
Our hydraulic nut runner and Roller bed offers a fast and efficient Shoe fitment, ensuring the right Shoe-Chain installation and correct bolt torque settings are applied.

Don't take the risk of your Shoes coming loose when you're hard at work. You can trust our team of expert track technicians to get it right every time.

Get more grip with Grouser Relug Bar welded to your Track Shoes! You can boost traction on your Forestry machines and stick to slopes for longer with our huge range of profiles to suit all Shoe sizes.

We can weld this Relug Bar to your new Track Shoes in various patterns to enhance your climbing performance and productivity.

CUSTOMISED TRACK GROUPS



1 Bar Dozer Track Group

1 Bar Excavator Track Group

2 Bar Excavator Track Group

3 Bar Excavator Track Group

TRACK ROLLERS

A LARGE RANGE OF ROLLERS ARE AVAILABLE TO SUIT MOST MAKES & MODELS OF EXCAVATORS, DOZERS & OTHER TRACKED MACHINERY

- Manufactured with reinforced flanges for increased wear life and structural reliability under severe operating conditions
- Heavy Duty Duo-Cone seal groups are fitted to guarantee perfect sealing in all working applications
- Shafts are made from forged alloy or rolled carbon steel and hardened over 3mm deep to 56-60 RC
- Roller shells are forged in two halves, welded together by friction or submerged arc then through-hardened and machined

Shaft Type
Carrrier Roller

Bolt-on Type
Carrier Roller

Single Flange
Track Roller

Double Flange
Track Roller

Inner Flange
Track Roller

IDLERS

A LARGE RANGE OF IDLERS ARE AVAILABLE TO SUIT ALL MAKES & MODELS OF EXCAVATORS, DOZERS & OTHER TRACKED MACHINERY

- Cast Idler Groups come completely assembled with heavy duty Duo-Cone seal groups, shafts and/or mounting arms, blocks or brackets
- Through-hardened Manganese steel is used for Idlers and Rollers, which provides high strength and good wear resistance
- Idler shells are cast or forged, depending on the design, then heat-treated to 48-56 RC and machined to size
- All Idlers are made to OEM fitment specifications and are pressure tested to ensure guaranteed sealing and reliability
- 12 month/2000 Hour Warranty (whichever comes first) on all Undercarriage Parts

Shaft Type
Dozer Idler

Bracket Type
Dozer Idler

Arm Type
Excavator Idler

Block Type
Excavator Idler

SPROCKETS & SEGMENTS

- A large range of high quality Sprockets and Segments are available to suit all makes and models of Excavators, Dozers and other tracked machinery up to 100 tonne

- Sprockets are made to OEM fitment specifications and manufactured from cast steel, with the external tooth profiles deep induction hardened in excess of 50RC to provide long service life

- Segments are made to OEM fitment specifications and manufactured by forging, with the tooth profiles being through-hardened for extra toughness, better wear resistance and long service life

Sprocket

Segment

Sprocket Hub

FINAL DRIVES

WEST-TRAK OFFER A COMPREHENSIVE RANGE OF OEM QUALITY FINAL DRIVES OR TRAVEL MOTORS FOR A WIDE RANGE OF EXCAVATORS FROM 1 TO 30 TONNES.

By utilising our expansive supply chain, we can bring a wide range of final drives to the market at prices substantially below manufacturer branded drives.

Benefits of West-Trak final drives:

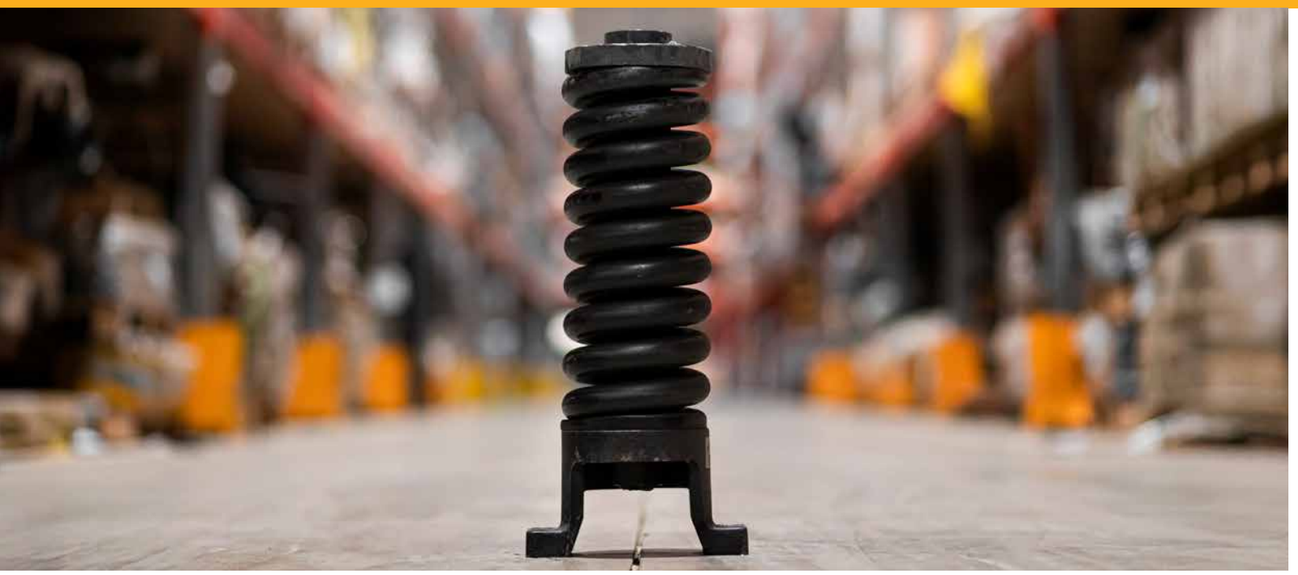
- PREMIUM QUALITY
  Designed and manufactured to OEM specification.

- ADVANCED DESIGN
  Fully tested and inspected to ensure correct fitment and performance.

- WIDE RANGE
  Many parts available from stock to fit a wide range of excavators

West-Trak can provide final drives for excavators from many manufacturers, including; Airman, Atlas, Bobcat, CASE, CAT (Caterpillar), Daewoo, Develon (Doosan), Fiat Hitachi, Fiat Kobelco, Hanix Nissan, Hitachi, Hyundai, IHI, JCB, John Deere, Kato, Kobelco, Komatsu, Kubota, New Holland, Sany, Sumitomo, Takeuchi, Terex, Volvo, Wacker Neuson, XCMG, Yanmar, Yuchai, and many more.

TRACK ADJUSTERS



- A large range of Track Adjusters are available to suit most makes and models of Excavators

- A Track Adjuster assembly consists of a recoil spring, cylinder and sometimes a yoke, depending on the machine model

- All Track Adjusters are manufactured to OEM fitment specifications and are fully inspected and tested to ensure reliable performance

- Maintaining proper track tension is critical for getting the longest possible Undercarriage life and ensuring even wear rates. Track Adjusters are designed to absorb shock, keep proper track tension and protect the entire track system

- Weak or broken recoil springs and leaking Track Adjusters will cause unnecessary wear and tear on all Track components including Idler and Roller flange wear, Sprocket jumping, Chain damage and de-tracking issues

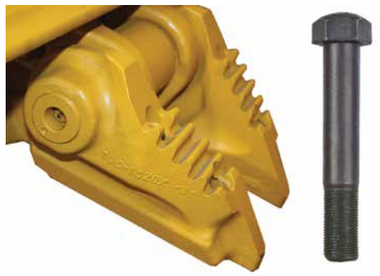
UNDERCARRIAGE HARDWARE

HARDWARE RANGE

- A full range of Metric and Imperial Track Bolts, Sprocket/Segment Bolts, Roller Bolts and hardened washers are stocked to suit most models of tracked machines
- Track Bolts, Segment Bolts and Split Master Link Bolts are 12.9 grade
- Roller Bolts and Sprocket Bolts are 10.9 grade
- All hardware is forged from alloy steels and heat treated to the specifications of OEM

TRACK BOLTS & NUTS

SPROCKET /SEGMENT BOLTS & NUTS



SPLIT MASTER LINK BOLTS

ROLLER BOLTS

INSTALLATION NOTES:

. Remove all paint and scale from points of connection

. Clean bolt holes from all grease and foreign materials

. Align parts together and thread bolts in by hand or with a rattle gun before applying the final torque setting

. Install self-interlocking, HD cone type track nuts with rounded corners against the link

. Tighten ALL bolts 70% of torque rating before applying the final torque value

. It is recommended to use OEM torque settings for all Roller and Sprocket bolts

TRACK BOLTS & NUTS - METRIC RANGE

Size	Part Type	Part No	Pitch	Grade
M12x39mm	Track Bolt	M12X39X1.5P	1.5P	12.9
M12mm	Track Nut Square	M12_SQUARE	1.5P	12.9
M14x39mm	Track Bolt	M14X39X1.5P	1.5P	12.9
M14x45mm	Track Bolt	911407	1.5P	12.9
M14x56mm	Track Bolt	911408	1.5P	12.9
M14mm	Track Nut Square	970114	1.5P	12.9
M16x46mm	Track Bolt	911607	1.5P	12.9
M16mm	Track Nut Square	M16SQ	1.5P	12.9
M18x57mm	Track Bolt	911809	1.5P	12.9
M18mm	Track Nut Square	970118	1.5P	12.9
M20x60mm	Track Bolt	912009	1.5P	12.9
M20x63mm	Track Bolt - stepped shank	912008	1.5P	12.9
M20x68mm	Track Bolt	912011	1.5P	12.9
M20x85mm	Track Bolt	M20X85X1.5P	1.5P	12.9
M20mm	Track Nut Square	970120	1.5P	12.9
M22x55mm	Track Bolt	912255	2.0P	12.9
M22x66mm	Track Bolt - stepped shank	912200	1.5P	12.9
M22x70mm	Track Bolt	M22X70X1.5P	1.5P	12.9
M22mm	Track Nut Square	970122	1.5P	12.9
M24x68mm	Track Bolt - stepped shank	150-4741	1.5P	12.9
M24x76mm	Track Bolt	912412	1.5P	12.9
M24mm	Track Nut Square	970124	1.5P	12.9
M27x82mm	Track Bolt	KM263	1.5P	12.9
M27x92mm	Track Bolt	4218740	2.0P	12.9
M27mm	Track Nut Square	KM264	1.5P	12.9

Track Bolt

Track Nut

Track Nut HD Cone Type

UNDERCARRIAGE HARDWARE

TRACK BOLTS & NUTS - IMPERIAL RANGE

Size	Part Type	Part No	Pitch	Grade
1/2"x1.11/16"	Track Bolt - stepped shank	890821	20-UNF	12.9
1/2"	Track Nut Square	950108	20-UNF	12.9
5/8"x1.13/16"	Track Bolt	891004	18-UNF	12.9
5/8"x2.3/32"	Track Bolt	891006	18-UNF	12.9
5/8"x2.5/32"	Track Bolt - stepped shank	891046	18-UNF	12.9
5/8"	Track Nut Square	950110	18-UNF	12.9
3/4"x2.5/32"	Track Bolt	891206	16-UNF	12.9
3/4"x2.13/32"	Track Bolt - stepped shank	891210	16-UNF	12.9
3/4"x2.5"	Track Bolt	7H3598	16-UNF	12.9
3/4"x105mm	Track Bolt	6T2162	16-UNF	12.9
3/4"	Track Nut Square	950112	16-UNF	12.9
7/8"x2.21/32"	Track Bolt - stepped shank	891410	14-UNF	12.9
7/8"x3.27/64"	Track Bolt	891435	14-UNF	12.9
7/8"	Track Nut Square	950114	14-UNF	12.9
1"x3.35/64"	Track Bolt	891631	14-UNS	12.9
1"	Track Nut Square HD Cone Type	950121	14-UNS	12.9
1.1/8"x3.25/32"	Track Bolt	7T1000	14-UNF	12.9
1.1/8"	Track Nut Square HD Cone Type	5P8221	14-UNF	12.9
1.3/8"x4.1/4"	Track Bolt	6T-8853	12-UNF	12.9
1.3/8"	Track Nut Square HD Cone Type	3T-6292	12-UNF	12.9

TRACK BOLT TORQUE SETTINGS

FINAL TORQUE SETTING METHOD

Metric Thread - Grade 12.9	
Bolt Size	Final Torque ft-lb
M12 x 1	118 ± 6
M14 x 1.5	177 ± 7
M16 x 1.5	273 ± 15
M18 x 1.5	398 ± 22
M20 x 1.5	553 ± 30
M22 x 1.5	752 ± 37
M24 x 1.5	995 ± 50
M27 x 1.5	1423 ± 74
M30 x 2	1917 ± 96
M33 x 2	2754 ± 125

UNF Imperial Thread - Grade 12.9	
Bolt Size	Final Torque ft-lb
7/16" - 20 UNF	88 ± 5
1/2" - 20 UNF	133 ± 7
9/16" - 18 UNF	192 ± 7
5/8" - 18 UNF	265 ± 15
3/4" - 16 UNF	472 ± 22
7/8" - 14 UNF	752 ± 37
1" - 14 UNF	1150 ± 59
1.1/8" - 12 UNF	1630 ± 81
1.1/4" - 12 UNF	2198 ± 110
1.3/8" - 12 UNF	3053 ± 155

PRE-TORQUE PLUS ADDITIONAL ⅓ TURN METHOD

Metric Thread - Grade 12.9		
Bolt Size	Initial Pre-Torque ft-lb	Final Torque Additional Turn
M14 x 1.5	185 ± 18	+ ⅓ Turn
M16 x 1.5	175 ± 30	+ ⅓ Turn
M20 x 1.5	300 ± 50	+ ⅓ Turn
M22 x 1.5	370 ± 50	+ ⅓ Turn
M24 x 1.5	370 ± 50	+ ⅓ Turn
M27 x 1.5	400 ± 50	+ ⅓ Turn
M30 x 2	675 ± 70	+ ⅓ Turn

UNF Imperial Thread - Grade 12.9		
Bolt Size	Initial Pre-Torque ft-lb	Final Torque Additional Turn
1/2" - 20 UNF	165 ± 15	+ ⅓ Turn
9/16" - 18 UNF	65 ± 15	+ ⅓ Turn
5/8" - 18 UNF	130 ± 30	+ ⅓ Turn
3/4" - 16 UNF	300 ± 50	+ ⅓ Turn
7/8" - 14 UNF	250 ± 50	+ ⅓ Turn
1" - 14 UNF	400 ± 50	+ ⅓ Turn
1.1/8" - 12 UNF	650 ± 50	+ ⅓ Turn
1.3/8" - 12 UNF	1100 ± 110	+ ⅓ Turn

NOTES: These torque settings are a guide only. Please refer to your machine manual to Confirm.

Track Bolt

Track Nut

UNDERCARRIAGE HARDWARE

ROLLER BOLTS - METRIC RANGE

Size	Part Type	Part No	Pitch	Grade
M12x70mm	Roller Bolt	M12X70X1.75P	1.75P	G10.9
M14x55mm	Roller Bolt	M14X55X2.0P	2.0P	G10.9
M14x65mm	Roller Bolt	M14X65X2.0P	2.0P	G10.9
M16x60mm	Roller Bolt	M16X60X2.0P	2.0P	G10.9
M16x65mm	Roller Bolt	M16X65X2.0P	2.0P	G10.9
M16x70mm	Roller Bolt	M16X70X2.0P	2.0P	G10.9
M16x75mm	Roller Bolt	M16X75X2.0P	2.0P	G10.9
M16x80mm	Roller Bolt	M16X80X2.0P	2.0P	G10.9
M16x85mm	Roller Bolt	M16X85X2.0P	2.0P	G10.9
M16x90mm	Roller Bolt	M16X90X2.0P	2.0P	G10.9
M18x65mm	Roller Bolt	M18X65X2.5P	2.5P	G10.9
M18x75mm	Roller Bolt	M18X75X2.5P	2.5P	G10.9
M18x80mm	Roller Bolt	M18X80X2.5P	2.5P	G10.9
M18x90mm	Roller Bolt	M18X90X2.5P	2.5P	G10.9
M18x100mm	Roller Bolt	M18X100X2.5P	2.5P	G10.9
M20x70mm	Roller Bolt	M20X70X2.5P	2.5P	G10.9
M20x90mm	Roller Bolt	M20X90X2.5P	2.5P	G10.9
M20x95mm	Roller Bolt	M20X95X2.5P	2.5P	G10.9
M20x100mm	Roller Bolt	M20X100X2.5P	2.5P	G10.9
M20x110mm	Roller Bolt	M20x110x2.5P	2.5P	G10.9
M22x100mm	Roller Bolt	M22X100X2.5P	2.5P	G10.9
M22x110mm	Roller Bolt	M22X110X2.5P	2.5P	G10.9
M22x120mm	Roller Bolt	M22X120X2.5P	2.5P	G10.9
M22x150mm	Roller Bolt	M22X150X2.5P	2.5P	G10.9
M22x75mm	Roller Bolt	M22X75X2.5P	2.5P	G10.9
M22x90mm	Roller Bolt	M22X90X2.5P	2.5P	G10.9
M24x110mm	Roller Bolt	M24X110X3.0P	3.0P	G10.9
M24x120mm	Roller Bolt	M24X120X3.0	3.0P	G10.9
M30x120mm	Roller Bolt	7X-2583	3.5P	G10.9

Roller Bolt

ROLLER BOLTS - IMPERIAL RANGE

Size	Part Type	Part No	Pitch	Grade
5/8"x2.1/2"	Roller Bolt	0S1625	11-UNC	G10.9
5/8"x2.1/4"	Roller Bolt	8S9092	11-UNC	G10.9
5/8"x2.3/4"	Roller Bolt	1A8537	11-UNC	G10.9
5/8"x3.1/4"	Roller Bolt	0S-2318	11-UNC	G10.9
5/8"x3.3/4"	Roller Bolt	0L1169	11-UNC	G10.9
3/4"x2.3/4"	Roller Bolt	ID-4608	10-UNC	G10.9
3/4"x3.1/4"	Roller Bolt	ID4610	10-UNC	G10.9
7/8"x3.1/2"	Roller Bolt	ID-4629	9-UNC	G10.9
7/8"x86mm	Roller Bolt	6T1140	9-UNC	G10.9
7/8"x5"	Roller Bolt	19H2702	9-UNC	G10.9
1"x97mm	Roller Bolt	6T1139	8-UNC	G10.9
1"x4.1/4"	Roller Bolt	ID-4640	8-UNC	G10.9
1"x7"	Roller Bolt	2438A700	8-UNC	G10.9

SPROCKET BOLTS

Size	Part Type	Part No	Pitch	Grade
M16x35mm	Sprocket Bolt	M16X35X2.0P	2.0P	10.9
M16x45mm	Sprocket Bolt	M16X45X2.0P	2.0P	10.9
M16x50mm	Sprocket Bolt	M16X50X2.0P	2.0P	10.9
M16x55mm	Sprocket Bolt	M16X55X2.0P	2.0P	10.9
M18x45mm	Sprocket Bolt	M18X45X2.5P	2.5P	10.9
M18x50mm	Sprocket Bolt	M18X50X2.5P	2.5P	10.9
M18x60mm	Sprocket Bolt	M18X60X2.5P	2.5P	10.9
M20x45mm	Sprocket Bolt	M20X45X2.5P	2.5P	10.9
M20x50mm	Sprocket Bolt	M20X50X2.5P	2.5P	10.9
M20x55mm	Sprocket Bolt	M20X55X2.5P	2.5P	10.9
M20x60mm	Sprocket Bolt	M20X60X2.5P	2.5P	10.9
M20x65mm	Sprocket Bolt	M20X65X2.5P	2.5P	10.9
M22x50mm	Sprocket Bolt	M22X50X2.5P	2.5P	10.9
M22x60mm	Sprocket Bolt	M22X60X2.5P	2.5P	10.9
M22x65mm	Sprocket Bolt	M22X65X2.5P	2.5P	10.9
M22x70mm	Sprocket Bolt	M22X70X2.5P	2.5P	10.9
M24x60mm	Sprocket Bolt	M24X60X3.0P	3.0P	10.9
M24x70mm	Sprocket Bolt	M24X70X3.0P	3.0P	10.9
M24x75mm	Sprocket Bolt	M24X75X3.0P	3.0P	10.9
M30x90xmm	Sprocket Bolt	J833090	3.0P	10.9

UNDERCARRIAGE HARDWARE

SEGMENT BOLTS & NUTS - METRIC RANGE

Size	Part Type	Part No	Pitch	Grade
M18x61mm	Segment Bolt	931861	1.5P	12.9
M18mm	Segment Nut Hex	960118	1.5P	12.9
M20x64mm	Segment Bolt	295-7802	1.5P	12.9
M20mm	Segment Nut Hex	8T-3573	1.5P	12.9
M22x71mm	Segment Bolt	932271	1.5P	12.9
M22mm	Segment Nut Hex	960122	1.5P	12.9
M24x80mm	Segment Bolt	932479	1.5P	12.9
M24mm	Segment Nut Hex	962401	1.5P	12.9
M24x90mm	Segment Bolt	195-27-12630	1.5P	12.9

SEGMENT BOLTS & NUTS - IMPERIAL RANGE

Size	Part Type	Part No	Pitch	Grade
5/8"x1.7/8"	Segment Bolt	941054	18-UNF	12.9
5/8"x2.7/64"	Segment Bolt	941057	18-UNF	12.9
5/8"	Segment Nut Hex	960310	18-UNF	12.9
3/4"x2.3/8"	Segment Bolt	3S0336	16-UNF	12.9
3/4"x2.1/2"	Segment Bolt	941268	16-UNF	12.9
3/4"	Segment Nut Hex	960312	16-UNF	12.9
7/8"x2.9/16"	Segment Bolt	9S2727	14-UNF	12.9
7/8"x3"	Segment Bolt	941464	14-UNF	12.9
7/8"	Segment Nut Hex	960314	14-UNF	12.9
1"x3"	Segment Bolt	5P0233	14-UNS	12.9
1"x92mm	Segment Bolt	5P-5422	14-UNF	12.9
1"	Segment Nut Hex	2M-5656	14-UNF	12.9

Sprocket Bolt

Segment Bolt

Segment Nut

SPLIT MASTER LINK BOLT TORQUE SETTINGS

PRE-TORQUE PLUS ADDITIONAL ⅓ TURN METHOD

Metric Thread - Grade 12.9		
Bolt Size	Initial Pre-Torque ft-lb	Final Torque Additional Turn
M12 x 1	-	-
M14 x 1.5	185 ± 18	+ ⅓ Turn
M16 x 1.5	130 ± 30	+ ⅓ Turn
M18 x 1.5	-	-
M20 x 1.5	300 ± 50	+ ⅓ Turn
M22 x 1.5	370 ± 50	+ ⅓ Turn
M24 x 1.5	370 ± 50	+ ⅓ Turn
M27 x 1.5	400 ± 50	+ ⅓ Turn
M30 x 2	-	-
M33 x 2	-	-

UNF Imperial Thread - Grade 12.9		
Bolt Size	Initial Pre-Torque ft-lb	Final Torque Additional Turn
7/16" - 20 UNF	-	-
1/2" - 20 UNF	165 ± 15	+ ⅓ Turn
9/16" - 18 UNF	65 ± 15	+ ⅓ Turn
5/8" - 18 UNF	130 ± 30	+ ⅓ Turn
3/4" - 16 UNF	300 ± 50	+ ⅓ Turn
7/8" - 14 UNF	250 ± 50	+ ⅓ Turn
1" - 14 UNF	400 ± 50	+ ⅓ Turn
1.1/8" - 12 UNF	650 ± 50	+ ⅓ Turn
1.1/4" - 12 UNF	-	-
1.3/8" - 12 UNF	1100 ± 110	+ ⅓ Turn

NOTES: These torque settings are a guide only. Please refer to your machine manual to Confirm.

UNDERCARRIAGE HARDWARE

Split master link joining Instructions

FOR SALT TYPE DOZER CHAINS THAT HAVE AN ALLIGATOR STYLE JOINING LINK

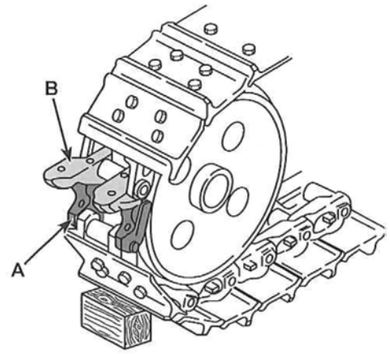
WARNING

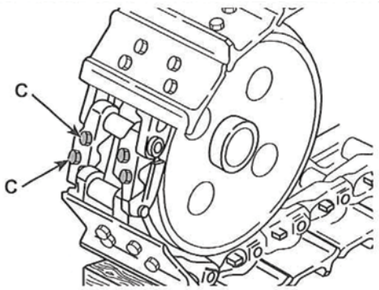
Install the new track Chain according with safety precautions and procedures explained in your machine Operation and Maintenance Manual and/or Service and Repair Manual.

Failure to follow these recommendations and instructions could result in damages to your machine and track Chain components.

IMPORTANT NOTES

- Remove all grease or foreign matter from the bolt holes
- Remove all paint from mating surfaces of the links and Shoes
- Ensure bolts are clean and apply anti-seize compound to the threads





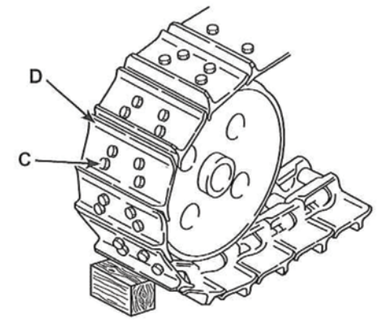
1. Engage the master links (A) and (B) and check the bolt hole alignment. Screw in the four bolts (C) without fitting the Shoes (the bolts must go easily in by hand). Do not force the track bolts into misaligned holes; damage to bolt and link threads will occur.

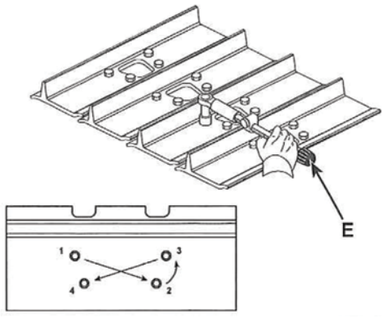
2. Remove the four bolts (C).

3. Position the Track Shoe (D) on the master link by aligning the bolt holes, then screw up all four bolts (C) fully by hand. Check that the split master link mating faces remains precisely aligned.

4. Use a suitable torque wrench (E) to tighten the four bolts (C). Tighten the bolts in order 1 to 4 as shown.

5. After installation, check the master Shoe bolts (C) tightening torque after the first 100 machine working hours and again after 500 working hours.





PIN & BUSH TURNS

TRACK REBUILDING IS A GREAT WAY TO GET MORE FROM YOUR CHAINS & SHOES

Keeping your tracks properly maintained and in top working order is critical for getting the longest possible service life and return on investment.

With a 200 tonne hydraulic track press at our Auckland branch, and a 400 tonne track press in Westport, we can service up to D11/D475 size Bulldozer SALT Chains and 200 tonne size Excavator Chains, for pin and bush turns and other repairs.

The track rebuild process involves removing the Track Shoes, disassembling the Chain and carefully inspecting each and every track component for excessive wear or damage.

The Chain is then assembled back together by fitting post turn seals, turning the bushes around 180 degrees, refilling the pins with oil and refitting the Track Shoes.

It is recommended for large Dozer Chains to have a mid-life pin and bush turn to maximise the useful service life of the Chains and ensure even wear rates of the Chain components. Our team of experienced Undercarriage technicians have the know-how to deliver a complete roll off, roll on, hassle free rebuild service you can rely on.

UNDERCARRIAGE HARDWARE

TRACK SHOE RELUGGING

INCREASE TRACTION WITH GROUSER RELUG BAR WELDED ONTO YOUR TRACK SHOES

Extend your Track Shoe life and get more grip, with Grouser Relug Bars welded on. This bar is a quick and effective way to rebuild your old Shoes or enhance your new Shoes to maximise traction for any application.

The lug height of your Shoe is an important factor for Track Shoe strength and machine performance. Different patterns of Grouser Bar can be fitted to any size Excavator or Dozer Shoe.

Forestry machines require extended lug heights to help stick to the slopes, safely. Dozers need to maintain a high lug height to ensure good pushing performance.

Grouser Bar is made from 450HB hardened wear steel and is available in 3000mm long lengths or cut to any size. We stock a huge range of sizes to fit all Track Shoes.
Send us your Shoes for relugging today.

TRACK GROUP BOLT-UPS

GET YOUR CHAINS & SHOES BOLTED TOGETHER, READY TO ROLL AS A TRACK GROUP

Stay on track for longer with less hassle and less downtime! We make it easy by supplying your choice of Track Shoes bolted to your Chains, so you can roll off the old, roll on the new and keep on tracking.

Don't take the risk of your Shoes coming loose when you're hard at work. Our trained Undercarriage technicians and engineers ensure the right Shoe-Chain fitment and correct bolt torque settings are applied.

With our hydraulic nut runners and Roller beds based at our Auckland and Westport branches, we offer a fast and efficient Shoe fitment and Shoe swap service, Nationwide.

We stock a huge range of Track Shoes and Chains, available for most makes and models of Excavators and Dozers.

TIPS FOR NEW UNDERCARRIAGE INSTALLATIONS

A NUMBER OF PRODUCT SELECTION, OPERATIONAL & MAINTENANCE THINGS CAN BE DONE TO HELP PROLONG THE SERVICE LIFE OF YOUR UNDERCARRIAGE

TRACK ROLLERS & IDLERS

- Avoid mixing new and old track Rollers on the same side as this will overload the new ones because they sit lower than the worn ones, therefore taking a lot of extra weight.
- If not replacing all new bottom Rollers, it is recommended to fit all old/worn rollerson one side and all new Rollers on the other side. This helps keep even pressure on each Roller without overloading an individual Roller.
- When replacing new Rollers and Idlers, do not travel long distances without stopping the machine frequently as they could overheat and seize. Stop every 4-5 miutes and track in the opposite direction to help circulate the oil. This is standard precaution for the first 100 hours.

CHAINS BUNCHING UP

. While there is no single reason for this to happen, it can be caused by wet working conditions, or the machine sitting stationary for long periods which can allow moisture to get in and cause seizure of the seals. Pressing out the affected track pins, re-greasing the bush and re-fitting the pins can help to fix this issue.

- This can also be caused by putting bent Grouser Shoes on to new Chains in a different order than the order they came off. This is especially true with wider Shoes 700 - 900mm. Bent Shoes can catch or lock into each other, preventing the Chain from moving freely. Track bolts may also be breaking if this happens.

FITTING DOZER CHAINS THE CORRECT WAY

- With Dozer Chains, the Grouser Shoe lug goes closest to the front of the machine when looking at the top of the Chains.

FITTING EXCAVATOR CHAINS THE CORRECT WAY

- The open end of the Chain goes under the bottom Rollers and over the Sprocket end first.

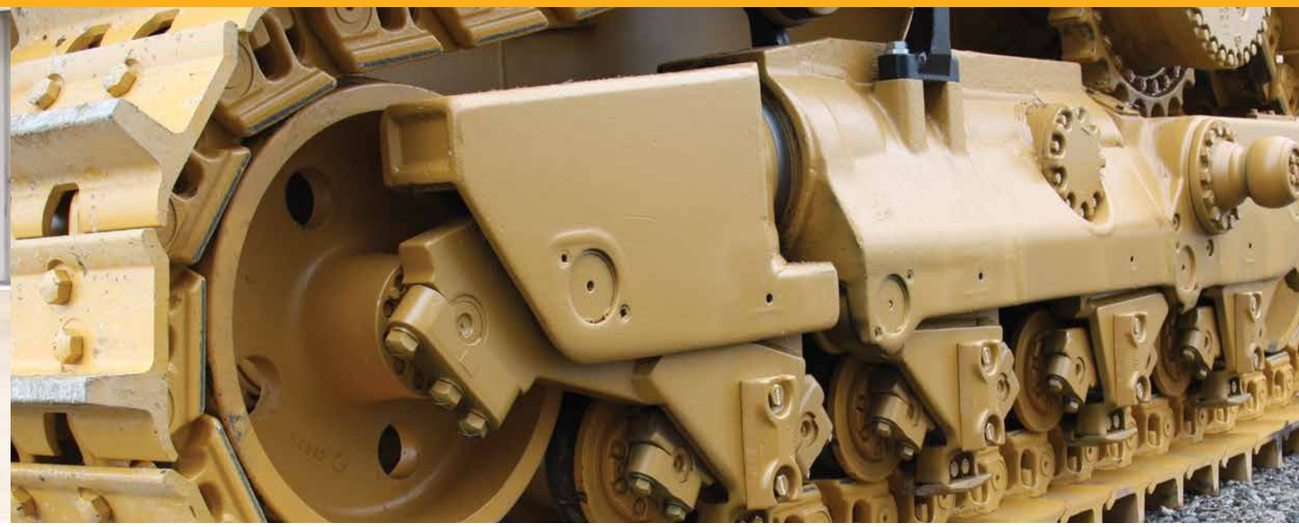
GROUSER SHOES

- Always use the narrowest Shoe possible for adequate flotation. The wider the Shoe, the less life you will get out of the Chain.
- Always grind paint, scale or surface rust off Shoes and Chains when fitting. These must be metal to metal contact, otherwise the bolts will come loose and Shoes may fall off.
- Mud holes in Shoes are to stop 'material packing' inside the Chains under the plates. When the Chain passes around the Sprocket, the Sprocket teeth will push the dirt out. Very necessary in coal, mud, swamp, Forestry and landfill conditions

CHAINS JUMPING ON THE SPROCKETS

- If the Chains are slipping or jumping on the Sprockets, it can mean the Sprockets are very worn. If the Chains and Sprockets are new, it may be the Track Adjuster spring is broken, causing it to retract and loosening the Chain tension.
- Some Sprockets are offset and will only fit one way; this means they could be fitted incorrectly, causing them to run into the side rails of the Chains rather than being in the centre.
- Sprockets could be the wrong pitch for the Chains or vice versa.
- Worn track Roller flanges can cause the Chain to waver out to the side and become misaligned with the Sprocket. Track guards will help to prevent this issue.

HELPFUL TRACK TIPS



TIPS TO MAKE YOUR UNDERCARRIAGE LAST LONGER

CHOOSING HEAVY DUTY, GREASE FILLED & POLY SEALED EXCAVATOR CHAINS WILL:

- Extend external bush wear up to 20%
- Reduce internal bush wear up to 25% compared to dry Chains
- Reduce undercarriage noise for operator comfort

CHOOSING THE NARROWEST SHOE POSSIBLE, WITH GOOD FLOTATION WILL:

- Minimise internal wear on pins and bushes
- Reduce Shoe wear and prevent bending or cracking
- Reduce stress and wear on the entire Undercarriage system

MINIMISE REVERSING

- Excavator and Dozer Chains are designed to operate with less wear when travelling forward. Excessive reverse travel can cause faster undercarriage wear. The extra power required when reversing will also increase fuel consumption.

ALWAYS DIG OVER YOUR IDLERS

- It's important to note for Excavator operation that digging over your Sprockets will increased bush wear and possibly cause pin and bush cracking. Always dig over your Idlers as the weight is on the Chain links and not directly on the pins and bushes.

HELPFUL TRACK TIPS

CORRECT CARE & MAINTENANCE WILL INCREASE SERVICE LIFE

- Ensure the correct track adjustment is maintained - check this regularly after installing a new set of Undercarriage.
- Measuring and monitoring of track components is important to determine any wear issues - especially in abrasiveand high impact conditions.
- Keep the undercarriage components as clean as possible at all times. If you allow the tracks to pack or build up with dirt, mud, dust and other ground products it will lead to increased wear rates, percieved lower power and increased fuel usage.

KNOW YOUR WORKING CONDITIONS

- Consider the conditions where your equipment is operating as this can be a major contributor to wear. High impact, abrasive or sandy materials on a wet site will contribute to faster Undercarriage wear.
- In the past it was accepted in an abrasive environment that you would simply run SALT type Dozer tracks to destruction, then replace them. Now the preferred option is to carry out regular inspections and do a mid-life pin and bush turn (turning the pins and bushes 180 degrees) to get longer service life.

MAINTAIN GROUSER SHOE LUG HEIGHT

- Keeping a good lug height on your Grouser Shoes will ensure proper traction and help reduce track slippage. A spinning track under load will increase the wear rate of your Undercarriage system. Grouser Relug Bar can be used to build up your worn Shoe lugs and maximise traction.

USE TRACK GUARDS

- Using Track Guards will help extend the life of your Undercarriage parts by keeping the Track Chains running straight and ensuring even wear on all track components.

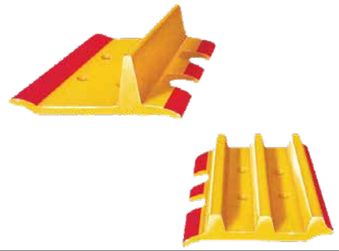
TROUBLE SHOOTING & SOLUTIONS

Grouser Shoes

- The most important wear is the relative height of the grouser lug from the top of the Shoe. A depth gauge is used to measure this

ACCELERATED WEAR OF OVERLAPPING SURFACES

- This is normally caused by a worn snaking Chain and is eliminated by tightening or replacing the Chains



SEVERE WEAR OF THE END OF THE GROUSER

- This is especially noticeable on Single Bar Grousers and is usually caused by using Shoes too wide for the type of ground the tractor is operating on. The use of a narrower Shoe will eliminate this problem

BENDING & CRACKING

- This is due to excessive impact or stress on the Shoes. The use of narrow Shoes or Extreme Service (ESS) Shoes will help prevent this happening

ENLARGED BOLT HOLES

- This is caused by movement between the Chain and Shoe due to loose bolts or machine motion
- Reduced Shoe size or the use of Shoes with less penetration(i.e. double or triple grousers) and accurate control of the bolt torque will help prevent this happening

TROUBLE SHOOTING & SOLUTIONS

Track Links

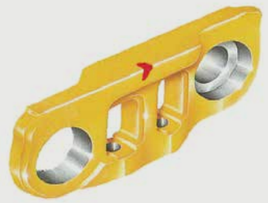
- The normal wear area on track links is on the surface that contacts the Rollers and Idlers

EXCESSIVE SIDE RAIL WEAR

- Besides the operational conditions, steep ground or frequent sudden turns, this wear could be caused by track misalignment, excessive Chain snaking or worn Chains

INDENTATIONS ON INTERNAL SURFACE OF RAIL

- This is caused by the Sprocket teeth rubbing on the inside ofthe link because of sloping ground, misaligned Sprocket and Chain or a severley bent Chain. Adjust Chain tension and check alignment



PIN BOSS SIDE WEAR

- This is caused by contact with the outside flange of the bottom Track Rollers. Should it occur before 100 percent of the link wear then it means the Rollers are beyond their useful life and should be replaced

EXCESSIVE FACE WEAR

- This wear is caused by snaking of the links or highly abrasive working conditions
- The use of track guards or fitting of lubricated SALT type Chains can reduce this wear

TROUBLE SHOOTING & SOLUTIONS

Track Links

PIN BOSS WEAR FROM TRACK GUARDS

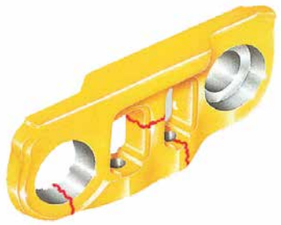
- This results from excessive snakiness of the Chain rubbing against the Track Guards. Worn bottom Rollers and working on steep slopes can be the cause
- Check Sprocket alignment and rotate some Rollers will help

RAIL CORNERS GOUGED

- Caused by severe shock loads usually transmitted by the Rollers to links
- Besides operating conditions (heavy work, speed, weight and power of machine) the situation can be aggrevated by the size of the Shoes and/or track tension
- A remedy could be to reduce the Shoe size and/or adjust the Chain tension

CRACKS OR BREAKAGES OF THE MOST STRESSED AREAS

- Most breakages are caused by tortional stress transmitted to the link structure when the machine is used in a severe impact application
- To reduce this failure, narrower Shoes can be used and the Chain tension regularly adjusted



BUSHING COUNTERBORE & PIN BOSS DEFORMATION

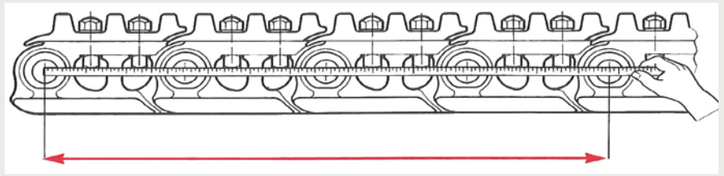
- If this is not caused by incorrect tooling being used when assembling or disassembling the Chain, then it is caused by bending stresses in the pins and bushes
- This problem can be reduced by fitting smaller Shoes and by having the correct Chain tension

TROUBLE SHOOTING & SOLUTIONS

Pins & Bushes grease filled type

INTERNAL PIN WEAR

- The internal pin and bush wear on greased and sealed Chains is measured by the Chain stretch. This is done by measuring the pin centres over 4-5 links and comparing to new Chain specs



WORN PIN END

- Besides the obvious factor of hillside operation and uneven ground, this type of wear is caused by incorrect Chain tension and Roller wear
- If Chain elongation has not reached the limit, then adjust Chain tension and rotate some Rollers
- If this pattern of wear starts immediately after installing a new undercarriage, then check position of the Track Guards is not too close to the Chain

LOOSE PINS

- If there is no obvious fault such as incorrect assembly or disassembly, then this can be caused by bending stresses during heavy operation of the machine
- To eliminate this, replace any worn Shoes, check bolt tension and/or fit narrower Shoes

TROUBLE SHOOTING & SOLUTIONS

Pins & Bushes grease filled type

EXTERNAL BUSHINGS

- Wear is caused at the point of contact between the bushing and the Sprocket tooth. To measure this wear, use a small outside calliper

CRACKING OR BREAKING OF SURFACES IN CONTACT WITH SPROCKET

- Due to excessive wear either externally or internally, will allow the bush to break
- It could also be caused by too heavy working conditions or packing Sprockets. To reduce this effect, check and adjustChain tension and use Track Shoes with mud holes in

PIN BREAKAGES

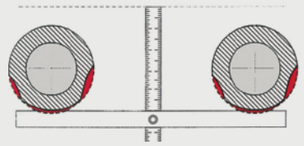
- Main cause of this failure is extreme shock or high static loads which occur when the machine works on rocky ground and/or when material packs in the Sprocket causing extreme tension on the track Chain
- Protect the track Chain and Sprocket from material packing under the Shoes by using Shoes with mud holes in

Pins & Bushes oil filled SALT type

EXTERNAL BUSHINGS

- The normal bush wear is on the external surface. The bushing wears evenly and should be measured in the centre of the wear area

- One way to measure external wear is to evaluate the distance from the underside of the Shoe (top of link) to the centre of the wear area on the bushing
- A depth gauge or ultrasonic wear indicator tool can be used



PIN GALLING

- This is due to interference between the pin and bushing in the press fit contact areas and is caused by fine abrasions getting in or the pins bending under load
- This effect is of no consequence for greased Chains and the pin can be reused. However for oil filled S.A.L.T Chains this may damage the seals causing oil to leak. The pins should not be reused

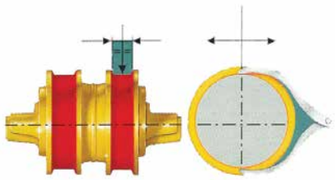
PIN SPALLING

- All spalling is due to large bending stresses in heavy working conditions
- Besides the application of the machine, this can be caused by excessive Chain tension due to build up and packing of material
- Adjust the Chain correctly and protect against packing of-rocky material between Chain and Sprocket by using track-Shoes with mud holes in

Lower Track Rollers

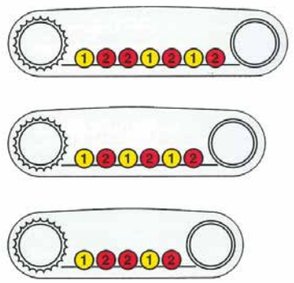
ROLLER TREAD WEAR

- The tread wear of the Roller is most important and is measured on the Roller diameter. The most suitable tool is a large outside calliper
- The correct measurement is to take the least diameter of either tread on the Roller which will be the one with the highest wear. Because of the difficulty in measuring the Rollers on the machine, it is usually sufficient to make sure the front (nearest Idler) and back (nearest Sprocket) Roller as the greatest wear occurs at these two points due to the rocking action of the machine



EXCESSIVE SIDE FLANGE WEAR

- Besides operational conditions, this wear can be caused by misalignment of excessive slackness of the Chain
- If the Rollers have not reached their wear limit, then adjust the Chain tension and rotate some of the Rollers



- It should be noted that double flange Rollers have a longer life and the correct sequence of double and single flange Rollers is important
- If longer life is required due to the operating conditions, then more double flange Rollers can be fitted

TOP FLANGE DEFORMATION

- This is caused by contact of the link pin boss or due to the Chain sliding over the flanges because of exceptional wear of the Chain rails or bottom Roller wear

TROUBLE SHOOTING & SOLUTIONS

Top Carrier Rollers

ROLLER TREAD WEAR

- The normal wear condition can be measured as for the bottom Rollers. Other wear patterns are analysed below

EXCESSIVE FLANGE SIDEWEAR

- This can be caused by hillside operation, using special offset grousers, and incorrect alignment or track tension
- To increase the Roller life, align Carrier Rollers with Idler and Sprocket and rotate Top Rollers if more than one are fitted to the machine

FLAT SPOTS & IRREGULAR WEAR

- This is usually caused by material packing under the top Carrier Roller and restricting its rotation
- Rollers should be cleaned and all material removed regularly

TROUBLE SHOOTING & SOLUTIONS

Idlers

IDLER TREAD WEAR

- Radial tread wear is the most important wear factor. The easiest method of measuring tread wear is to measure the depth of the tread from the centre of the Idler flange
- Check the Idler flange has not worn from the original diameter, before comparing wear rates

EXCESSIVE FLANGE SIDEWEAR

- The main causes of this wear is abrasive soil conditions, hillside operation or excessive turning
- Other factors influencing side wear can be incorrect Roller alignment or Chain tension
- To reduce side wear to a minimum, make sure the correctChain tension is used and the Idler is correctly aligned in the track frame or use track guards

TOP FLANGE WEAR

- Usually caused by material packing under the Chain rails or excessive Idler tread wear. To eliminate this, make sure that the Chain is correctly adjusted, check the Idlers are not worn or use Track Shoes with mud holes in

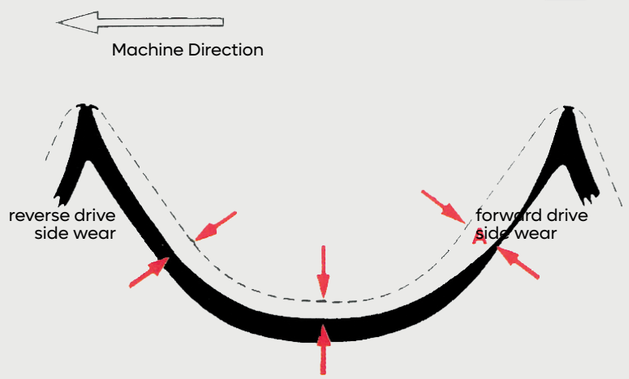
TROUBLE SHOOTING & SOLUTIONS

Idlers

TREAD CRACKING & SPALDING

- This can be caused by high impact loads due to heavy working conditions or by excessive wear of the Idler
- The condition of the Chain can also contribute to the effect
- Unfortunately the factors which lead to the breakdown of the Idler can not be controlled and therefore the only remedy will be not to exceed the wear limits of the Idler or any of the undercarriage components

Sprockets & Segments

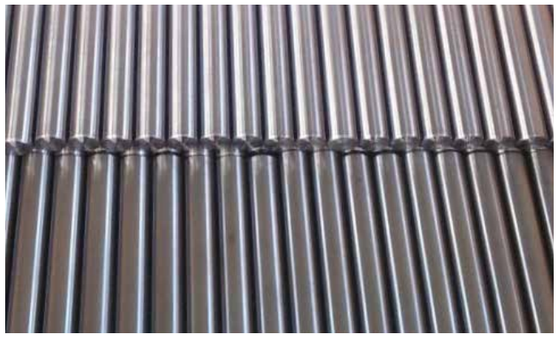


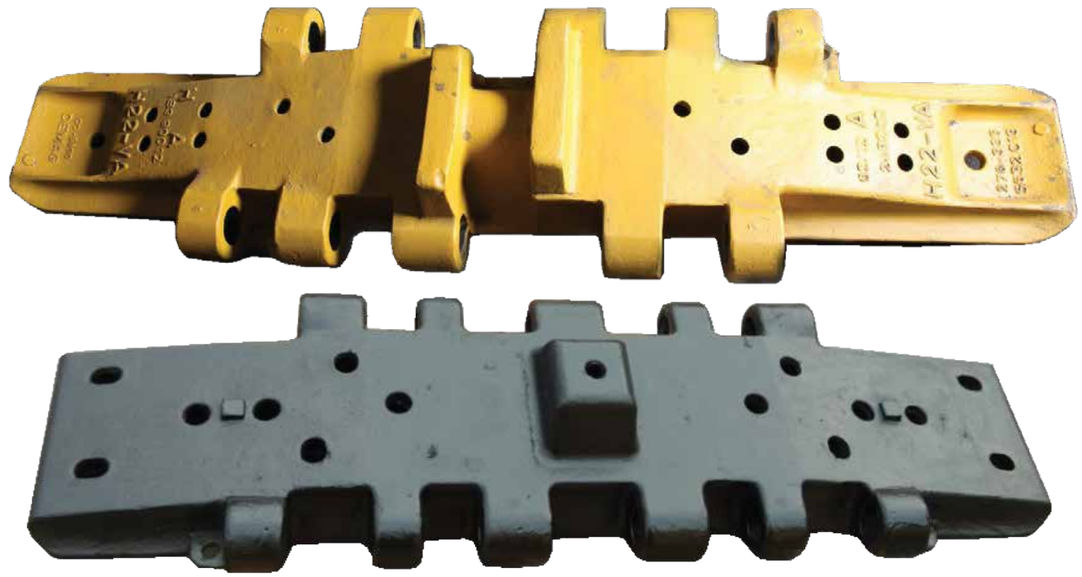
- If Chains are jumping on the Sprockets, check Chains are on the correct way and check the pitch of Chains and Sprockets are the same. If worn Sprockets are doing this they are due for replacement
- Sprocket wear measurement is one of the most difficult to take. Under normal conditions of work, the wear occurs in such a way that no trace of the original toothing remains as a valid reference to base measuring the wear on
- Consequently it is not possible to get the exact data and for any evaluation, it is always necessary to refer to an unused Sprocket of the same type
- As a general rule, the Sprocket has to be replaced or rerimmed when the wear line reaches the limits as outlined in the figure above
- Due to the fact that the wear is never even, the point where there is major wear must be considered

CRAWLER CRANE UNDERCARRIAGE

A LARGE RANGE OF HIGH QUALITY TRACK PARTS ARE AVAILABLE FOR MOST MAKES & MODELS OF LARGE CRAWLER CRANES, EARTH DRILLS & PILE DRIVERS. HITACHI, SUMITOMO, HITACHI-SUMITOMO, KOBELCO, IHI & MANITOWOC.

CRANE MONO BLOCK TRACK SHOES & PIN RANGE





CRANE SPROCKET RANGE







CRAWLER CRANE
UNDERCARRIAGE

CRANE IDLER & ROLLER RANGE






RUBBER TRACKS & PADS

Large range of Rubber Tracks & Pads for Mini Excavators, Compact Track Loaders and other rubber tracked machinery.

“Guaranteed quality, fitment & performance”

TERRATRACK

Our TerraTrack Rubber Tracks have been developed and improved to offer superior wearability and fitting.

Produced from moulds incorporating the latest robotic technology, therefore reducing the labour cost, TerraTrack is a cost-effective solution without compromising on quality.

An ongoing program of continuous product development for new machines making use of advancing technologies ensures West-Trak TerraTrack Rubber Tracks remain the premium choice in a dynamic market.

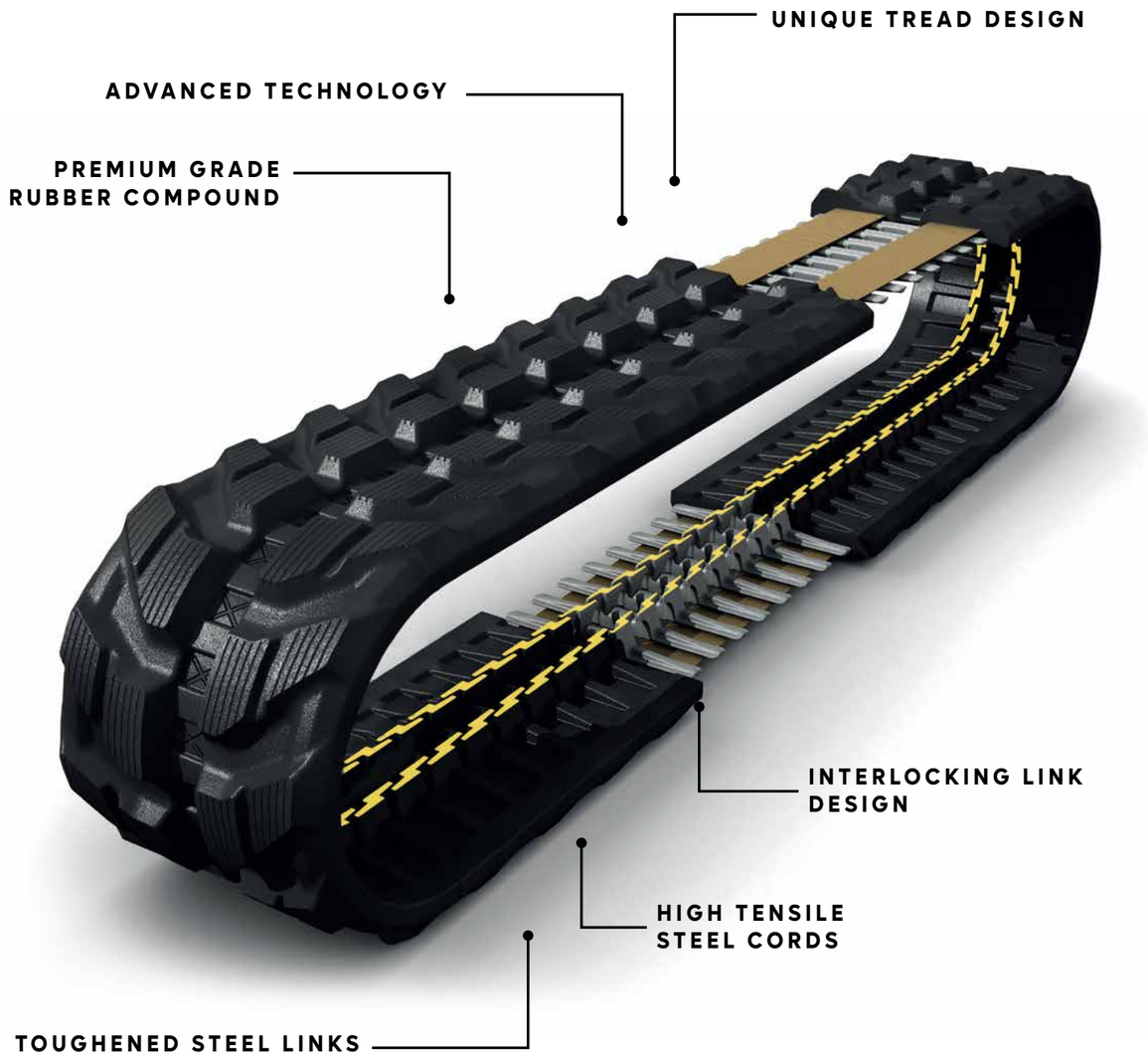
CALL NOW ON 09 200 1118

- **Latest Robotic Mould Technology**
- **Engineered for Improved Performance**
- **Manufactured by OEM Supplier**
- **Increased Efficiency**
- **Lower Operating Costs**

> From the outset, the service and product quality provided by West-Trak has been outstanding. We are confident that this partnership will continue to grow and strengthen in the years to come.

Terra Track

INCREASED EFFICIENCY



RUBBER PADS

DURALINE

Our DuraLine range is the product preferred by many of New Zealands leading contractors & proven as the no.1 brand across the UK & Europe. Astrak have specifically developed the DuraLine range of pads for diggers, paver & planer machines and other tracked equipment to meet industry demands where downtime is extremely costly.

QUALITY APPROVED

All of our DuraLine pads are manufactured in IS0 9001 approved production facilities with rigorous quality control procedures.

DURALINE+

ADVANCED DURABILITY

Manufactured using advanced abrasion-resistant and anti-chunking rubber compound, DuraLine Plus Pads offer 52% more durability than standard pads based on independent abrasion analysis.

IMPROVED DESIGN

Improved profile shape ensures even weight distribution and reduced edge damage.

EASY REPLACEMENT

Individual worn or damaged pads can be easily replaced in minutes, minimising machine downtime.

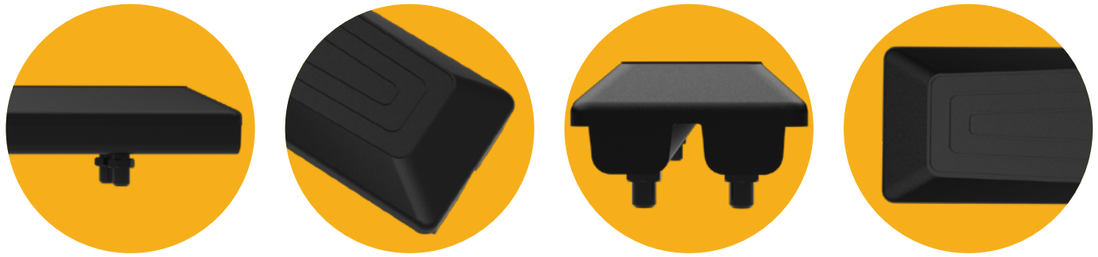
Custom Branding Options
Assembled Track Groups Available


SATRA TECHNOLOGY

TECHNICAL REPORT

BOLT-ON STYLE

The Bolt-on pad offers an excellent solution for converting steel tracked machines to rubber pads. These pads are designed for working on finished surfaces on a semi-permanent basis. This pad style is available in widths from 300mm to 600mm, and is suitable for excavators from 4 to 25 Tonnes.

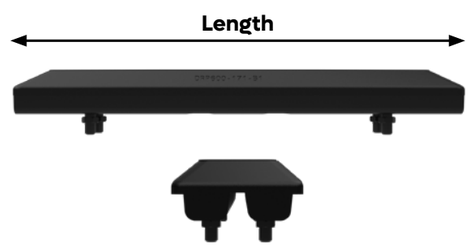


DURALINE

Machine Weight	Product Code	DIMENSIONS (mm)	
		Length	Link Pitch
3T to 4T	RP350/101/B1	350	101
3T to 5T	RP300/101/B1	300	101
4T to 6T	RP400/135/B1	400	135
6T to 9T	RP450/154/B1	450	154
9T to 11T	RP475/171/B1L	475	171
9T to 11T	RP475/171/B1R	475	171
10T to 15T	RP500/171/B1	500	171
10T to 15T	RP500/175/B1	500	175
10T to 18T	RP600/171/B1	600	171
18T to 25T	RP600/190/B1	600	190

DURALINE+ The OEM Rubber Pad Solution

Machine Weight	Product Code	DIMENSIONS (mm)	
		Length	Link Pitch
6T to 9T	TFRP450/154/B1	450	154
10T to 15T	TFRP500/171/B1	500	171

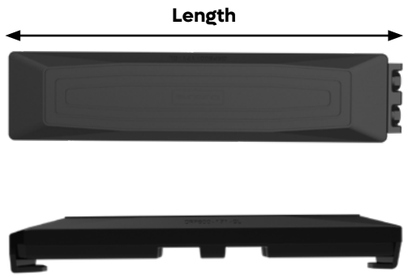


CLIP-ON STYLE

The DuraLine Clip-on pad is engineered for easy installation and extended durability. It features a fixed bracket on one side and a secure clamp fitting on the other, making it an ideal solution for quickly converting a steel-tracked excavator for use on roads, concrete, and other finished surfaces. Designed to meet the demand for a heavy-duty pad, it allows for safe operation without risking damage to the underlying surfaces.

DURALINE

Machine Weight	Product Code	DIMENSIONS (mm)	
		Length	Link Pitch
10T to 15T	RP600/175/CL-H	600	175
12T to 18T	RP700/171/CL-H	700	171
12T to 18T	RP500/171/CL	500	171
18T to 26T	RP600/190/CL-H-B	600	190
30T to 40T	RP600/216/CL	600	216

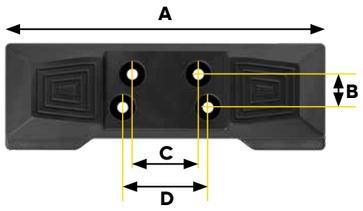


ROAD-LINER STYLE

The Roadliner Pad is an OEM quality one-piece vulcanised pad, which bolts directly on to the steel track chain. Ideal for machines from 5 Tonne to 15 Tonne, for a wide variety of applications, including rail infrastructure work.

DURALINE

Machine Weight	Product Code	DIMENSIONS (mm)				
		A	B	C	D	Link Pitch
5T to 9T	RP450/154/R1	450	57	73	89	154
10T to 15T	RP500/171/R1	500	60.3	108	108	171



FORESTRY TYRE TRACKS

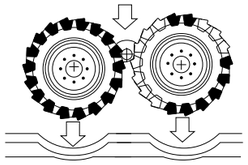
Get a grip & pull more wood with Tyre Tracks on your Forestry Fowarders & Skidders.

“Increase traction, maximise productivity”

THE BENEFITS OF TYRE TRACKS

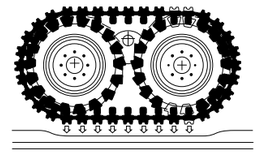
Forestry Tyre Tracks are manufactured from special boron alloy steel. The durability and toughness of the steel is maximised using a oil quenched heat-treatment process.

Specifically designed and manufactured steel sections and forgings are used to give high performance combined with the longest possible working life. Each set of tracks has been manufactured for use
with a particular tyre and should only be used as recommended by this handbook.



Before Tracks

- Increased Ground Pressure
- Less flotation
- Deep ruts
- Soil Disturbance and compaction



With Tracks

- Increases Contact Area
- Lower Ground Pressure
- Increased Flotation
- Greater Machine Stability
- Increased Traction
- Reduced Ground Disturbance

Increased Machine Stability

Tyre Tracks offer significant stability to your machine by increasing the traction footprint and lowering the machines center of gravity. This is particularly advantageous on steep slopes with Loader crane movements.

Reduced Fuel Consumption

Tyre Tracks reduce the drag that the tyres add to the machines transmission and prevents wheel spinning, therefore reducing fuel usage.

Reduced Ground Damage

Tyre Tracks provide greater flotation which minimises ground disturbance, reduces ground pressure on sensitive soils and ensures constant levels of grip and traction.

Increased Traction & Safety

Tyre Tracks significantly increase traction compared to normal tyres. This allows Forestry machines to climb slopes safely and negotiate obstacles that would otherwise have been too dangerous or impossible.

Tyre Protection

Tyre Tracks are compatible with a wide range of Forestry tyres offering protection from punctures and other damage and in many cases increasing the overall lifetime of the tyres.

SINGLE WHEEL TYRE TRACKS

Green TRACK MULTI

Get a grip and pull more wood with a set of Tyre Tracks on your Skidders! These tracks will improve the productivity and performance of your machines in the most extreme working conditions.

This track design has 2 lugs on each cleat providing the ultimate grip in steep, rocky, muddy and snowy conditions. All components of these tracks are made from heat-treated steel for maximum strength and service life.

BENEFITS OF TYRE TRACKS

- Increased traction & pulling power
- Protection for your tyres
- Less wheel spinning & fuel burn
- Safer on the slopes
- Better steering ability
- Less ground disturbance
- More machine stability
- Extra log load capacity

Tyre Size	Part No
30.5 x 32	VE.WMUS30-30.5-32
35.5 x 32	VE.WMUS30-35.5-32

Your set of Tyre Tracks come complete with 2x assembly hooks, 8x 75mm short joining links and 8x 120mm medium joining links.

Track tensioners longer joining links are supplied separately if required.

BOGIE WHEEL TYRE TRACKS

Green TRACK GROOVE

Go more places and get more done with a set of Tyre Tracks on your Skidders and Forwarders! These tracks will improve the productivity and performance of your machine in the most extreme working conditions.

This track design has 1 lug on each cleat alternating sides which provides the best grip in steep, rocky, muddy and snowy conditions. All components of these tracks are made from heat treated steel for maximum strength and wear resistance.

BENEFITS OF TYRE TRACKS

- Increased traction & pulling power
- Protection for your tyres
- Less wheel spinning & fuel burn
- Safer on the slopes
- Better steering ability
- Less ground disturbance
- More machine stability
- Extra log load capacity

Tyre Size	Part No
750/55-26.5 FKF2	VE.GR26.750-26.5.FR24
780/50-28.5 FKF2	VE.GR26.780-28.5.FR

Your set of Tyre Tracks come complete with 2x assembly hooks, 8x 75mm short joining links and 8x 120mm medium joining links.

Track tensioners, longer joining links and extension kits are supplied separately if required.

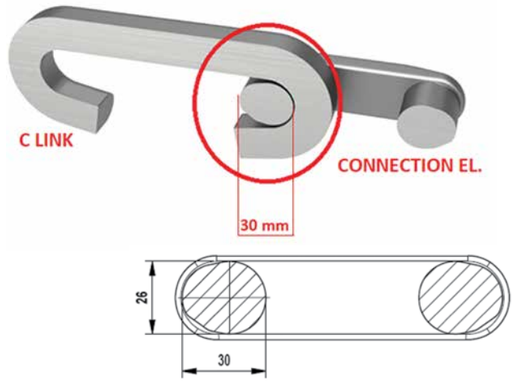
CONNECTING LINKS & TENSIONERS

- The link deign is an asymmetric shape with 30mm longitudinal length for long wear life
- All links are made from quality boron steel & heat treated by a special oil quenching process for better through hardness & toughness
- The links have rounded edges to prevent damage to the tyres

Short Joining Link

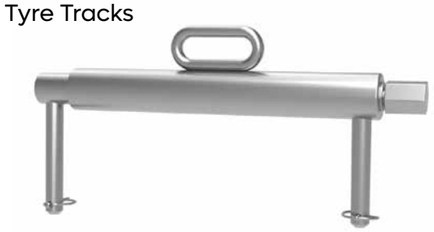
Medium Joining Link

Long Joining Link



Assembly Hook/Staple

Tensioner for Single Wheel Tyre Tracks



Tensioner for Bogie Wheel Tyre Tracks

Extension Kit

FORESTRY TYRE TRACKS

- Each SET of tracks (2x complete tracks) consists of at least four sections
- Tracks are packaged with half a SET (1x complete track) per pallet
- A SET of tracks include 2x complete tracks, 8x short (75mm) and 8x long (160mm) joining links fitted with screws & nuts and 2x assembly hooks
- Track extension kits are required for Bogie tracks with 1900mm wheel centres These are sold separately
- Track tensioners are sold separately

BOGIE WHEEL TYRE TRACK SET

These are packaged as shown below on 2 pallets, 1200mm x 1600mm x 1100mm high

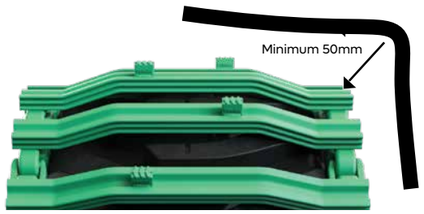
SINGLE WHEEL TYRE TRACK SET

These are packaged as shown below on 2 pallets, 1200mm x 800mm x 1100mm high

MACHINE CLEARANCE & TRACK TENSION

MACHINE CLEARANCE

In order to avoid tracks hitting or fouling the machine bunk or bodywork (which can in extreme cases cause transmission problems), a minimum clearance gap of 50mm between track and machine should exist. The tracks should be properly tensioned at all times.
This clearance gap should be measured with:



- The track pushed on the tyres towards the machine
- The bogey at maximum tilt angle - the worst possible scenario

Without this clearance there is a possibility of track/machine fouling when tracks wear, become slack or are run at faster than normal speeds

PLEASE NOTE...

Many 8 wheel drive machines have less clearance at the front of the machine for tracks than at the back. When tracks are fitted to the front of the machine, ensure there is adequate clearance between tracks and machine bodywork such as:

- Clearance from doors
- Air intakes
- Front blades
- Cab ladders

This should be tested at all bogey tilt angles with tracks pushed towards the machine on the tyres. When tracks are fitted to the rear of the machine, clearance is required between the tracks and the bunk frame. When bunk frames are repositioned, e.g. for different timber lengths, this can change track to frame clearances and must also be checked. Some machines are fitted with hydarulic bogey lifting rams and may be unsuitable for use with tracks due to inadequate clearances. Checks must be made prior to fitting tracks.

TRACK RE-TENSIONING

When tracks are new, they will quickly slacken off over the first few days of use and will require re-tensioning. Re-tensioning involves the replacement of long track links with short track links and then the removal of one full track plate in order to maintain correct tension.

This slackening of new tracks is not any form of material stretching, but simply a "bedding in" process due to the numerous components in the track link system. It can be expected that the track will require re-tensioning frequently during the first week of work, with this task becoming less frequent as the tracks bed in.

It can also be expected to have to remove one complete track plate within the first three or four weeks of work and perhaps a second track plate after three to six months of work.

The amount of wear experienced by the track link system over its working life is dependent upon the abrasiveness of the terrain together with the load and tension experienced by the tracks. Bogie Tracks should be run with 50mm of sag

provided that:

- The tyres are not slipping and spinning inside the track
- The track is not falling off the tyres
- The track is not hitting the bodywork or any part of the machine
- The track is not causing any damage to the tyres

Tracks which are over-tensioned will stress axles and hub bearings as well as increase tyre and track wear.

TYRE SUITABILITY

Almost every tyre can be fitted with tracks, some are more suitable than others.

- Tyres should be designed for use with tracks
- The ideal tyre has a smooth, less aggressive tread pattern, with slightly rounded shoulders
- The tyre should have steel reinforcement within the carcass and be of heavy ply rating
- The tyre must be fitted to the correct steel reinforced wheel rim for Forestry use
- The tyre must be fitted with the correct recommended inner tube, where applicable
- Tracks can only be fitted to machines with fixed wheel centre bogies


Forest Rider


TRS LS-2


Twin 422


Twin 428


Forest King F


Forest King F2


T440


T480

TYRE PRESSURE CHART (NOKIAN)

CROSS PLY

Dimension	Ply Rating	kPa	PSI
750/55-26.5	20	550	80
780/55-26.5	20	550	80

DRIVING WITH TYRE TRACKS

Tracks increase machine stability, offer increased traction and flotation. However, in order to obtain maximum advantages from using tracks, the following points should be duly observed.

- The correct track must be selected for each task, considering terrain, machine size, tyre type and size to which the tracks will be fitted, driver experience and working practices
- Bogie Tracks must be correctly fitted and tensioned to have 50mm of sag at all times
- Tyres must be inflated to the correct pressure (usually the maximum permitted tyre pressure)
- Tracks should not hit or foul the machine bodywork at any time

DRIVING SPEEDS

The maximum driving speed with tracks should never exceed 12km/hr. This applies even on flat smooth surfaces or forest roads. Speeds should be considerably reduced in the forest and reduced further with a loaded Forwarder and when operating on extreme terrain.

TRACK INTERACTION WITH TYRE

Through in depth research and development, have designed tracks which achieve a fine balance for reduced track on tyre slippage while preventing severe tyre damage.

Every track cleat has been manufactured to have an underside grouser bar, used to grip the tyre surface. If this grouser bar is lubricated by driving in wet or clay conditions, or worn due to old age, slippage between track and tyre can occur.

Tyre slippage can also be a problem on very large, high horsepower machines which are heavily loaded and working on steep, wet ground. Where the bar is too sharp or aggressive, tyre damage may occur. As standard there is a 5-10mm gap between the paw and tyre (design range is between 2 and 20mm depending upon track design and tyre condition).

TYRE TRACK MAINTENANCE

TO PROLONG THE LIFE OF THE TRACKS & THEIR OPTIMAL USE, PROPER MAINTENANCE IS REQUIRED

- Check the tracks regularly for wear or damage and replace any assembly elements. This will help prevent unexpected breakages and downtime
- Check the track sag is always maintained at 50mm for Bogie Tracks. This may involve using shorter joining links and/or removing cleats over time to tighten the track. Correct track tension will reduce the wear of the track and tyres and improve traction
- Check the tyre pressures regularly to ensure they are running at the correct levels
- If storing tyre tracks for long periods, keep them undercover or coat them in a penetrating lubricant to prevent corrosion

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