



# **RIPPER PRODUCTS**

**Tough Ripping Solutions**



**West-Trak®**  
UNRIVALLED STRENGTH

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

# RIPPER SHANK RANGE

**STRONGER AND TOUGHER, CUSTOM BUILT RIPPER SHANKS TO SUIT ANY MACHINE, ANY APPLICATION. COMPLEMENTED BY THE LARGEST RANGE OF RIPPER COMPONENTS IN NZ!**

## DOZER RIPPERS

Custom designed Ripper shanks for all makes and models of Dozers

Pg. 3



## EXCAVATOR RIPPERS

Custom designed, Ripper Assemblies for all makes and models of Excavators

Pg. 7



## GRADER RIPPERS

A range of large and small Ripper Shanks for all makes & models of Graders

Pg. 11



## WHEEL TRACTOR RIPPERS

Custom designed Aerator Rippers for Wheel tractors

Pg. 13



# RIPPER PRODUCT RANGE

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

## MTG RIPMET RIPPER SYSTEM

The worlds most trusted Ripper system with a hammerless pin mechanism. Available to suit Dozers and Excavators up to 200 Tonnes



Pg. 14

## CAT STYLE RIPPER PRODUCTS

A range of Noses, Teeth and Protectors to suit all sizes and types of ripper shanks



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## ESCO STYLE RIPPER PRODUCTS

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



Pg. 31

## KOMATSU STYLE RIPPER PRODUCTS

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



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**MTG**

No limits innovation

Our Premium range of high quality Ripper products are made by MTG

All parts are aftermarket brands and are not produced by original equipment manufacturers



## DOZER RIPPER SHANKS





# DOZER RIPPER SHANKS



## What a Ripper

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

- High quality, standard and custom designed ripper shanks to suit all makes & models of dozers
- 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 SIZES



THE TABLE AND DRAWINGS BELOW SHOW THE SIZE AND SHAPE OF COMMON DOZER RIPPER SHANKS

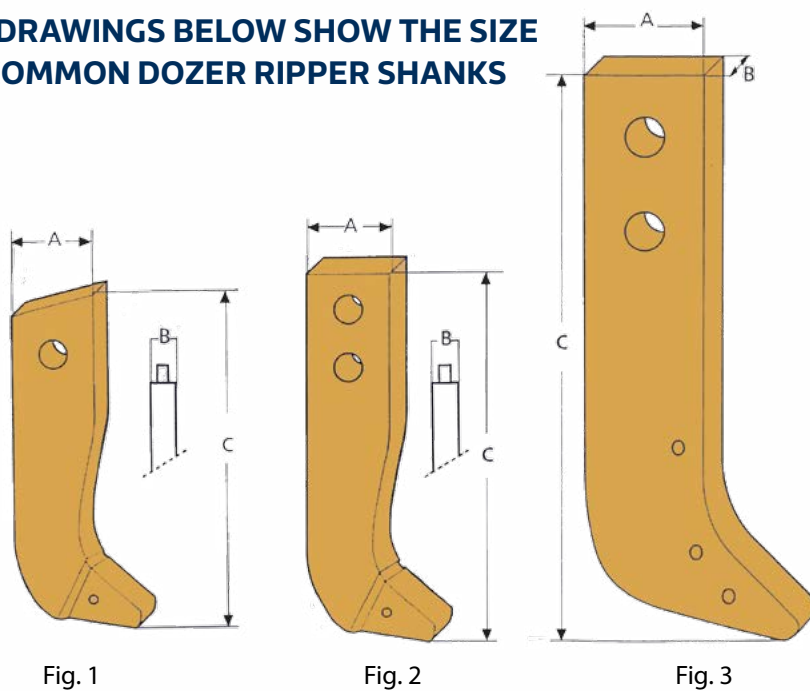


Fig	Part No	A	B	C	Machine Size
1	9J6586	140	60	530	D4
2	8J3215	176	75	850	D6
2	9W7382	229	75	1240	D7
3	4T8989	330	75	2015	D8/D9
3	4T8990	330	75	1610	D8/D9

Dimensions in mm



## DOZER RIPPER DESIGNS

- Custom built rippers up to 120mm thickness
- Designed and engineered to suit your specific needs
- Guaranteed to be the strongest and longest lasting



## EXCAVATOR RIPPER SHANKS





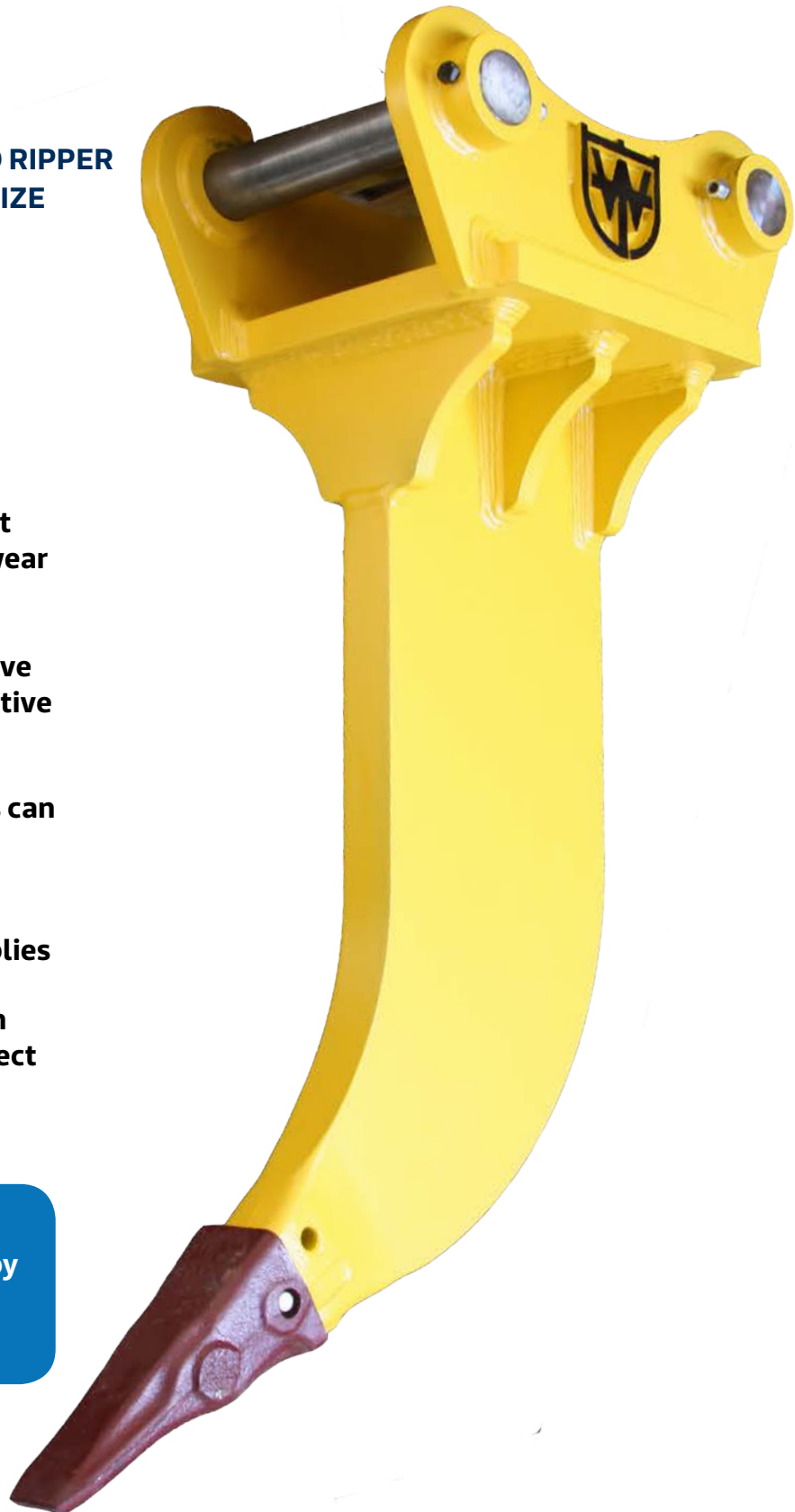
## EXCAVATOR RIPPER SHANKS

# Rip into it

**CUSTOM DESIGNED AND ENGINEERED RIPPER ASSEMBLIES TO SUIT 10-200 TONNE SIZE EXCAVATORS**

- Available for all makes and models of Excavators in rock, demolition and tree stump applications
- Made from G450 Abrasion Resistant steels for maximum strength and wear life
- Correct ripping angle and shank curve for increased penetration and effective ripping performance
- Pin-on or weld-on shank protectors can be fitted for extra wear protection
- Supplied as individual shanks or complete ripper and mount assemblies
- Options of fixed pins for quick-hitch mounting or removable pins for direct attachment to your dipper arm

**Guaranteed to be the strongest, longest lasting Rippers, supported by our huge range of wear parts in-stock!**



# EXCAVATOR RIPPER SIZES



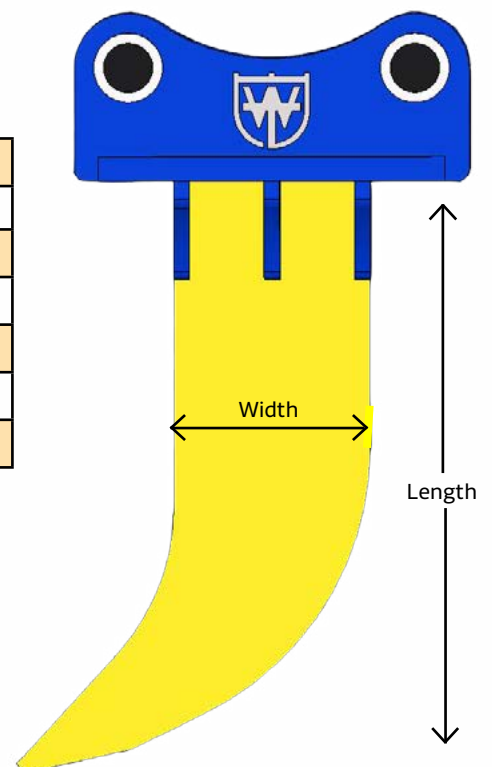
## Pick your size

THE TABLE BELOW SHOWS THE COMMON RIPPER SHANK SIZES FOR EACH MACHINE CLASS. THE PROPORTIONS ENSURE MAXIMUM STRENGTH IS MAINTAINED

Excavator Size	Length	Width	Thickness
10-15 Tonne	1000	350	60
20-25 Tonne	1100	350	75
30-35 Tonne	1200	400	75
40-45 Tonne	1200	450	75
50-55 Tonne	1200	500	90
60-70 Tonne	1400	600	90

Dimensions in mm

NOTE: The length of a Ripper shank is measured from the bottom of the nose, (without a tooth on) to underside of the mount





## EXCAVATOR RIPPER DESIGNS



## GRADER RIPPER SHANKS

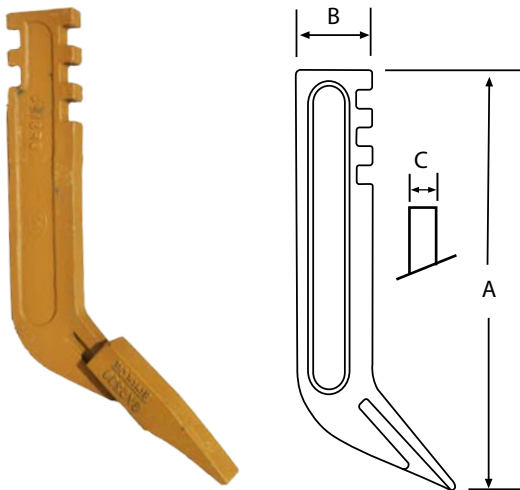




# GRADER RIPPER SIZES

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 (Fig. 1)**



**LARGE RIPPER SHANKS (Fig. 2)**

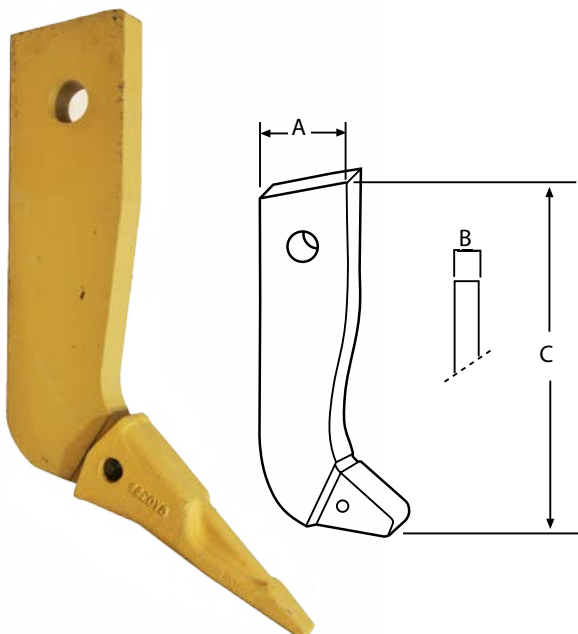


Fig	Shank No	A	B	C	Tip	Pin	Retainer
1	9F5124	420	76	25	6Y5230	-	-
2	9J6586	138	60	530	6Y0309	9W2668	8E6359

# WHEEL TRACTOR RIPPER SHANKS



## Any size, any shape

**CUSTOM MADE AERATOR, PRE RIPPER, SUBSOLIER AND PIPE LAYING RIPPER SHANKS TO FIT ALL TYPES OF WHEEL TRACTOR ATTACHMENTS AND APPLICATIONS**

- Made from G450 Abrasion Resistant steel for maximum strength & wear life





# **MTG RIPMET RIPPER SYSTEM**





# The Hammerless Generation



**STRONGER, MORE RELIABLE, LONGER LASTING, HAMMERLESS PIN-ON RIPPER SYSTEM FOR MAXIMUM RIPPING WEAR LIFE AND PERFORMANCE**

### ULTIMATE SAFETY

This hammerless twist pin mechanism requires no hammering action to install the pins, greatly reducing the risk of flying metal and accidents. The pins are simply pushed into place by hand and turned 90 degrees with a tool to securely fasten them

### LONGER SERVICE LIFE

All teeth styles are designed to self sharpen as they wear and do not need to be reversed, therefore reducing machine downtime. The teeth auto tighten onto the adapter under impact so there is no wear on the adapter nose

### NO LOSS OF TEETH

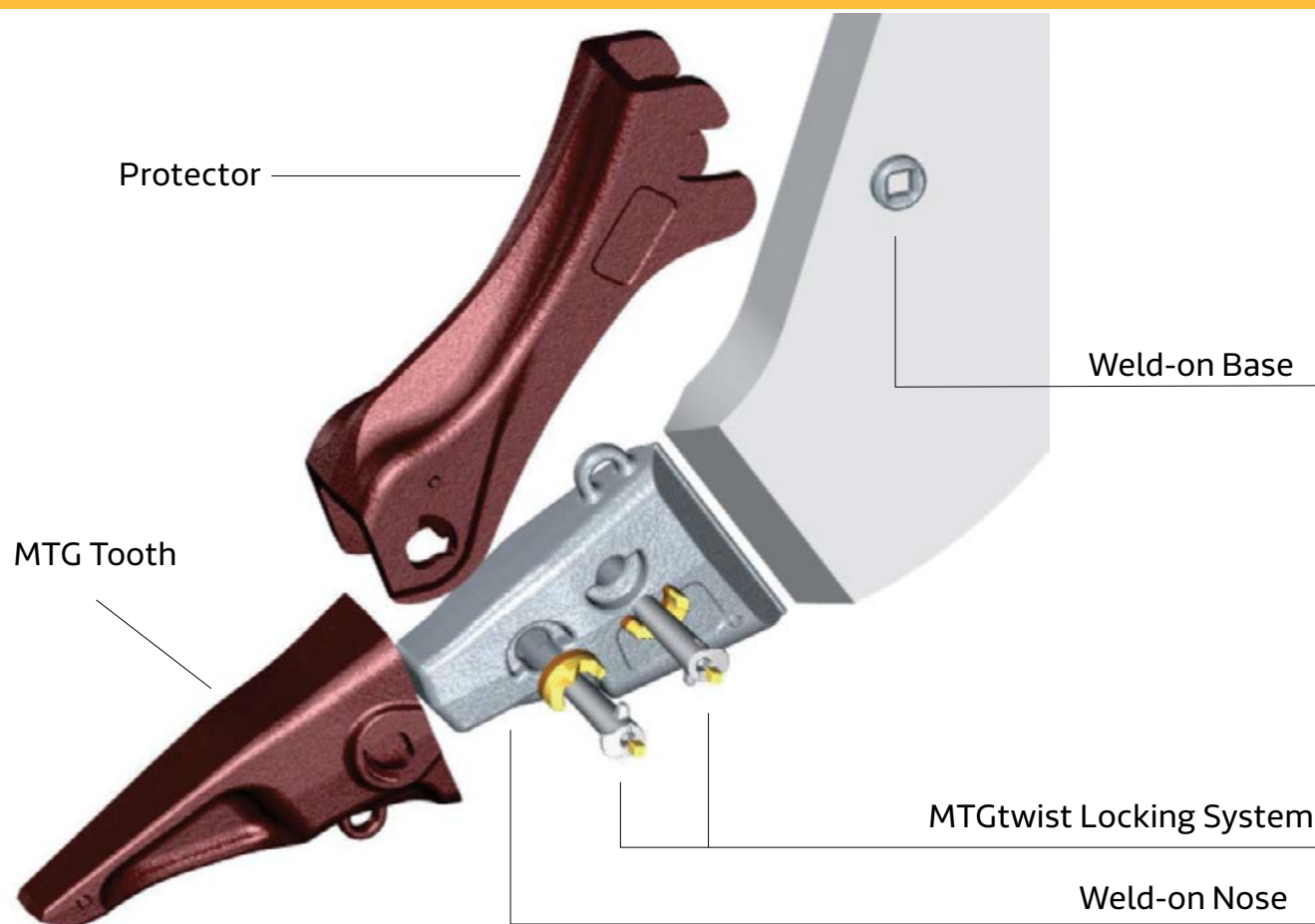
The hammerless locking system uses the twist pin and elastomet retainer which has excellent retention. This ensures the teeth will never come loose or fall off.

### FASTER CHANGES

The teeth and protectors are very quick and easy to replace on-site by one person



# MTG RIPMET SYSTEM

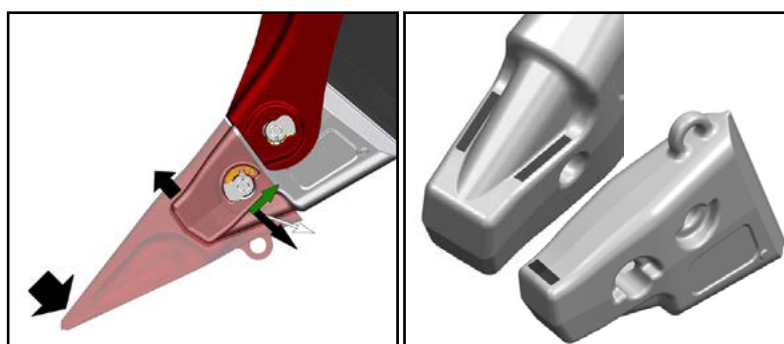


## EXCELLENT RESISTANCE FOR THE TOUGHEST RIPPING APPLICATIONS

The stabilization surfaces of the RipMet Nose and Tooth, ensure even distribution of forces while working. The Teeth auto-tighten onto the Nose keeping it firmly in place.

- Hammerless Pins
- Self-sharpening Teeth
- Guaranteed no loss of components
- Streamlined geometry for better penetration

Available for all makes and models of Excavators up to 200 tonne size and Dozers up to D11/D475 size



RipMet Size	Shank Thickness	Machine Size
45	75mm	D8/D9/D155
50	90-100mm	D10/D375
55	110-115mm	D11/D475

# MTG RIPMET SYSTEM

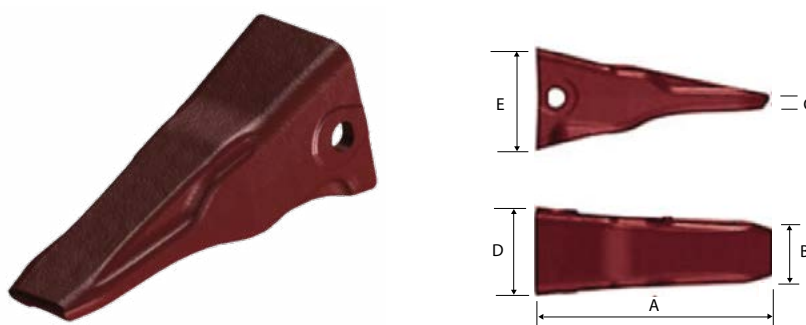
## WELD-ON NOSE



Part No	B	C	D	F	Machine Size
1ME45WN	10	205	90	260	D8/D9/D155
1ME50WN	10	270	100	402	D10/D375
1ME55WN	10	323	110	443	D11/D475

External measurements in mm

## STANDARD TIP



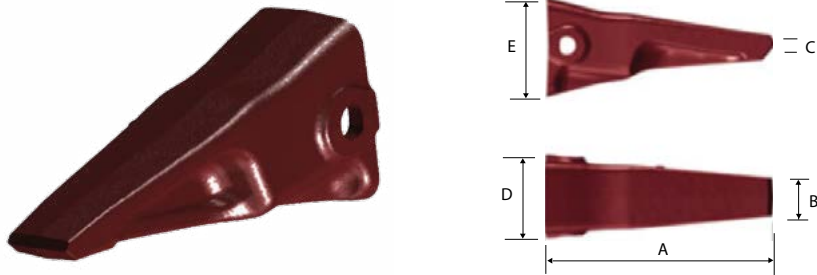
Part No	A	B	C	D	E	Machine Size
ME45S	381	77	26	142	169	D8/D9/D155
ME50S	443	69	30	174	228	D10/D375
ME55S	555	74	27	189	284	D11/D475

External measurements in mm



# MTG RIPMET SYSTEM

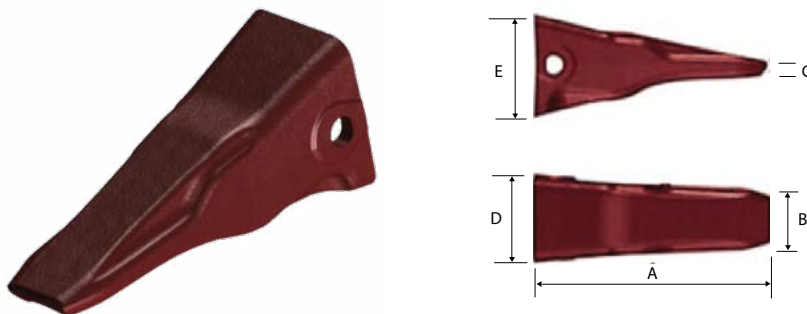
## PENETRATION TIP



Part No	A	B	C	D	E	Machine Size
ME45PX	365	66	23	142	169	D8/D9/D155
ME50PX	422	66	22	174	228	D10/D375
ME55PX	550	105	62	189	283	D11/D475

External measurements in mm

## IMPACT TIP

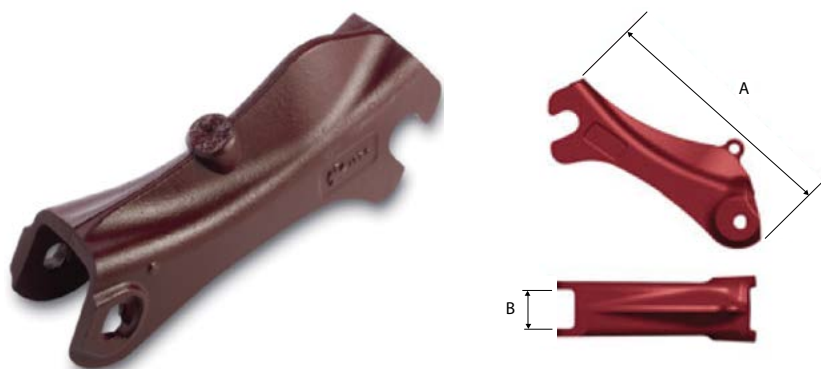


Part No	A	B	C	D	E	Machine Size
ME45I	335	66	12	142	169	D8/D9/D155
ME50I	407	83	18	174	228	D10/D375
ME55I	481	90	20	189	284	D11/D475

External measurements in mm

# MTG RIPMET SYSTEM

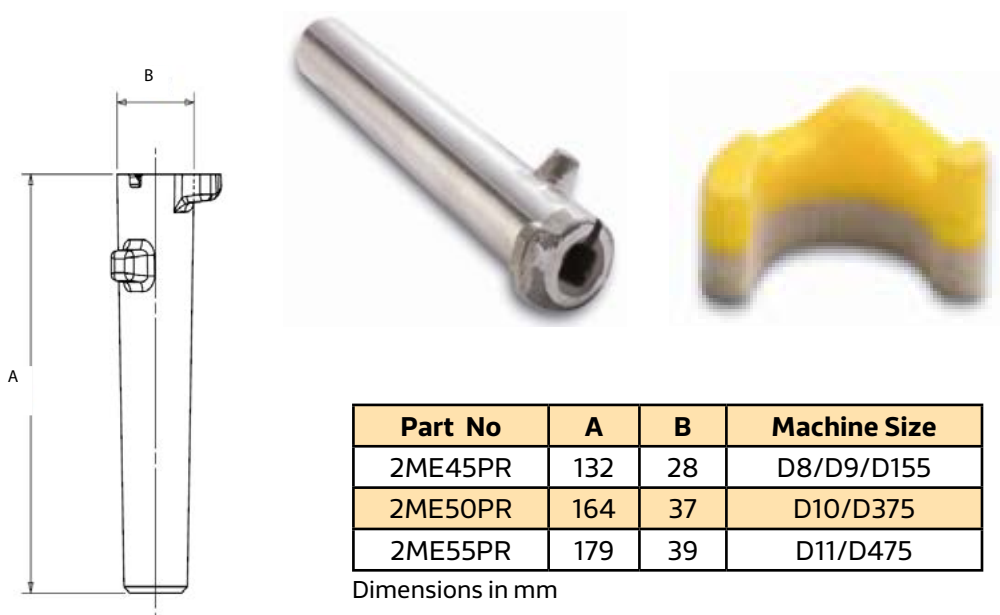
## SHANK PROTECTOR



Part No	A	B	Machine Size
4ME45S2	471	79	D8/D9/D155
4ME50S2-A	640	105	D10/D375
4ME55S2	705	115	D11/D4755

Dimensions in mm

## PIN AND RETAINER



Part No	A	B	Machine Size
2ME45PR	132	28	D8/D9/D155
2ME50PR	164	37	D10/D375
2ME55PR	179	39	D11/D475

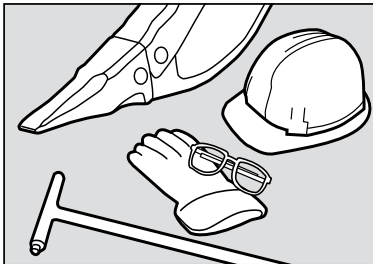
Dimensions in mm



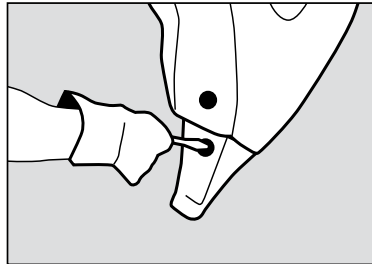
# MTG RIPMET SYSTEM

## INSTRUCTIONS FOR ASSEMBLY AND DISASSEMBLY OF MTG RIPMET COMPONENTS

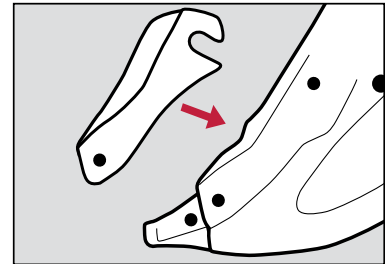
### Assembly



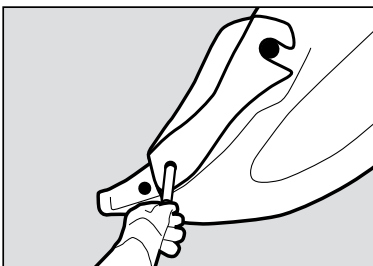
Recommended equipment



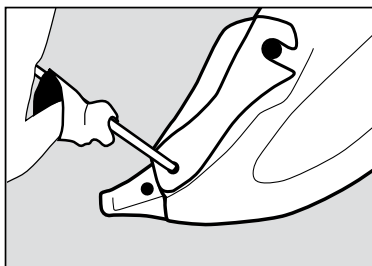
Clean the adapters and insert both retainers



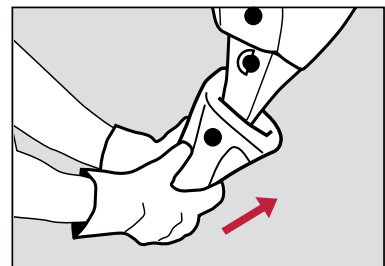
Position the shroud



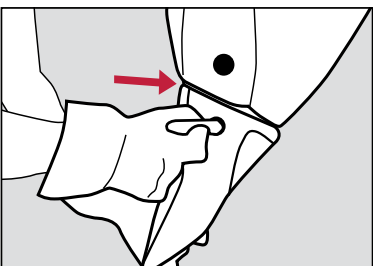
Insert the pin



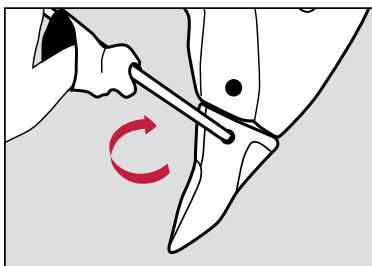
Rotate the pin 90°



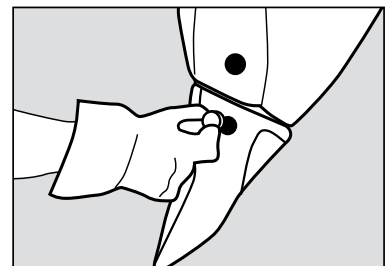
Position the tooth



Insert the pin

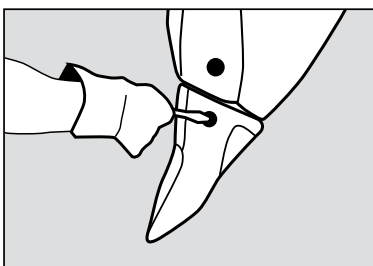


Rotate the pin 90°

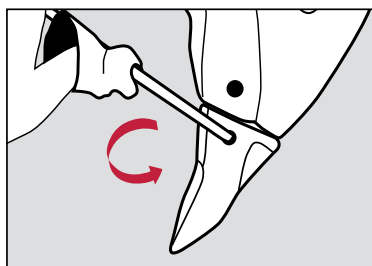


Fit the plug

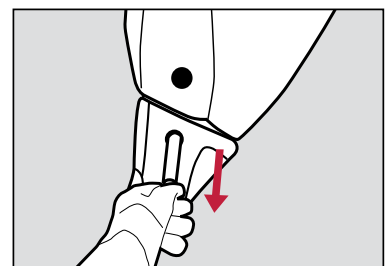
### Disassembly



Remove the plug



Rotate the pin 90°



Remove the pin

# RIPMET WELDING INSTRUCTIONS

**Surface cleaning should be performed on parts to be welded**, removing paint, grease, oxide or other elements. The presence of pollutants containing hydrogen (grease, paint or organic matter) could be the cause of delayed breakages. Cleaning can be performed mechanically using a wire brush, if this is not enough light grinding can be applied.

**Preheat the welding area up to 140-180°C (280-456 F)**, without exceeding the limits indicated, until the welding area maintains the indicated temperature. If for any reason the welding process was stopped and it wasn't possible to maintain temperatures, preheating should be performed again before restarting the process.

**During the welding process**, temperatures above 250°C (482 F) should not be exceeded outside the areas directly affected by welding. Passes should be spaced so as to maintain temperature within the preheating and the maximum temperature limits.

Tubular thread (Flux Core) should be used with certified low hydrogen content.

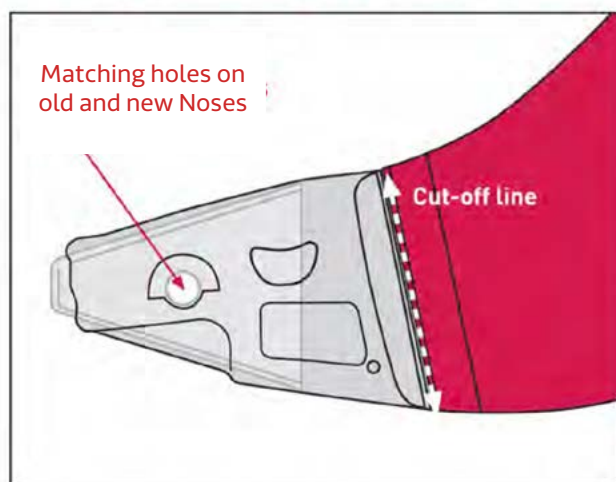
Tubular thread recommended:

ASME/AWS: E 70 T1 (Ruptile type tubular thread)

ASME/AWS: E 70 T5 (Basic tubular thread with high mechanical properties)

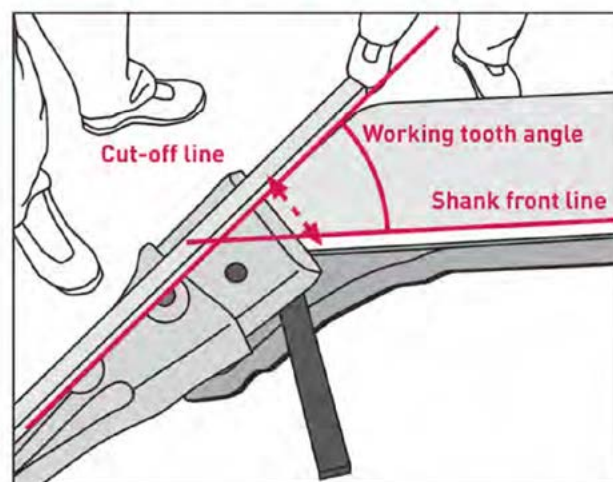
DIN: SG B1 5254 (DIN 85591 standard)

## MTG RIPMET NOSE FITTING INSTRUCTIONS



### When the original nose is maintained:

Place the MTG RipMet nose on the shank in the same original position and draw the resulting cut-off line on the shank. Preheat the area to be cut up to 180° and cut through the line. Without allowing cooling, perform the weld bevel similar to that of the MTG RipMet nose

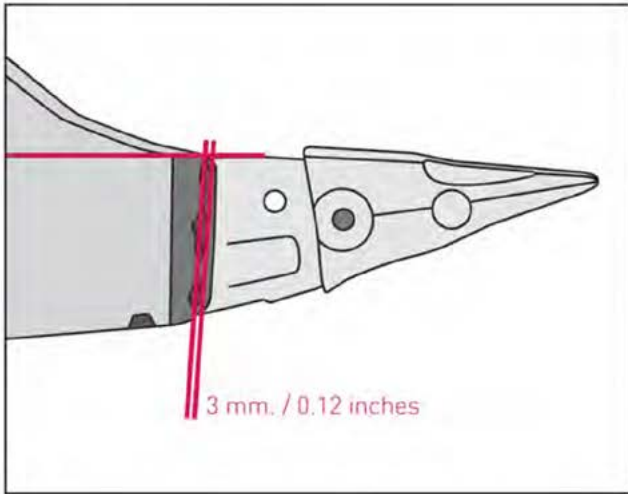


### When the original nose is not maintained:

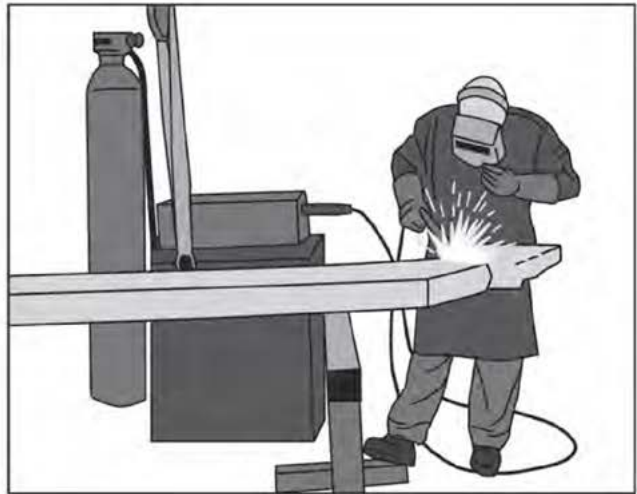
Place the tooth/adaptor set on the shank at the desired working angle for the tooth and mark the cutting line. MTG RipMet allows a working tooth angle between 30° and 45°



# RIPMET WELDING INSTRUCTIONS

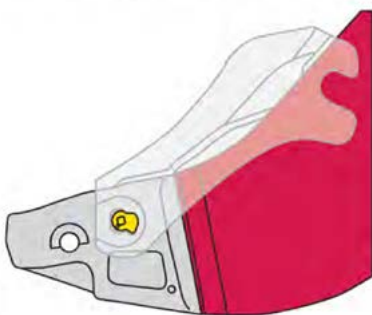


Position the nose with the shank and tack in place. There must be a 3mm gap between the nose and the shank. The front faces must be flush. Assemble the tooth and the shroud on the shank to make sure that the set can be correctly assembled.



Weld alternatively on both sides of the Nose to correct deformities (checking the Nose remains straight). When welding is complete, grind the welds flush so the shank protector fits correctly.

## ASSEMBLY INSTRUCTIONS FOR THE SHROUD BASE



**A.** Insert the retainer into the nose cavity. Place the shroud, insert the pin and turn clockwise.



**B.** Place the shroud base in position and perform welding.

**C.** Disassemble the shroud and finish welding, both on the outside and inside of the base.







**A Ripper bucket on a 200 Tonne  
Excavator using the Hammerless MTG  
RipMet system to dredge the Napier port**



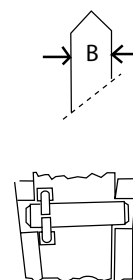
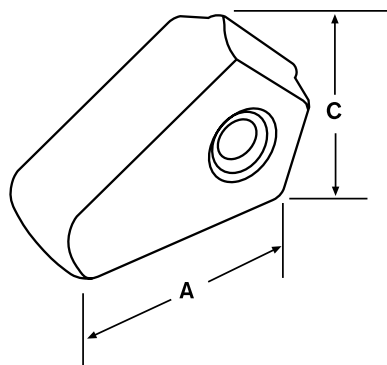
## CAT STYLE RIPPER PRODUCTS



# CAT STYLE REPAIR NOSES

## SMALL REPAIR NOSE

Used for replacing worn or broken ripper noses



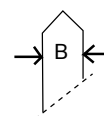
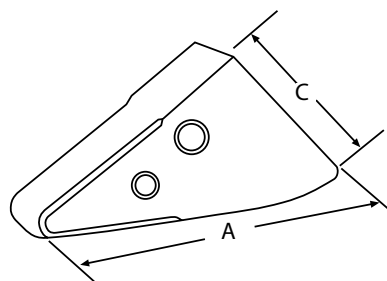
Tip Mounted with Pin and Washer

Part No	A	B	C	Machine Size
8E7300	135	55	85	D4/D5
8E7350	170	73	110	D6/D7

Dimensions in mm

## LARGE REPAIR NOSE

Used for replacing worn or broken ripper noses



Tip Mounted with Pin and Washer

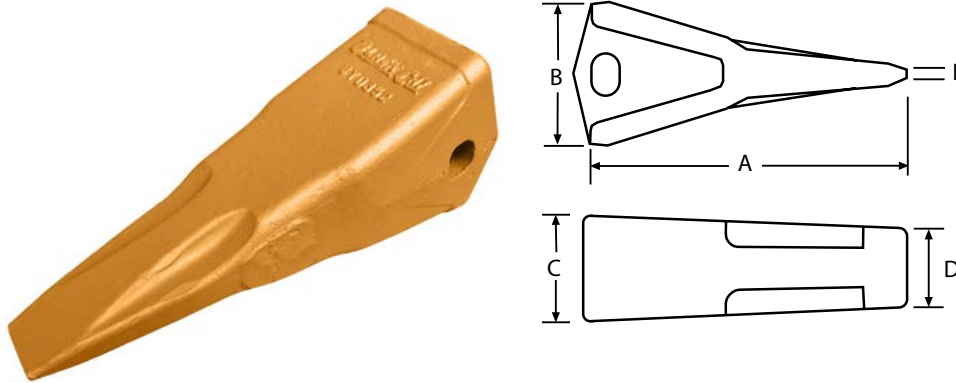
Part No	A	B	C	Machine Size
9U9694	355	75	204	D8/D9
107-3361	380	90	265	D10/D11

Dimensions in mm



# CAT STYLE RIPPER TEETH

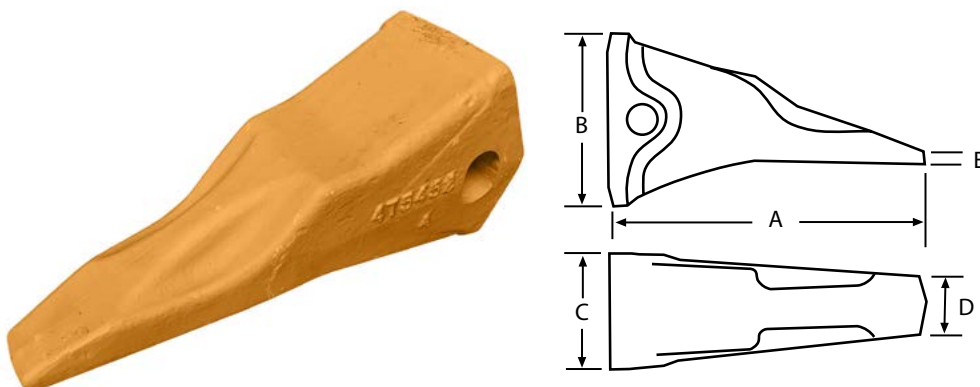
## CENTRELINE TIP



Part No	A	B	C	D	E	Machine Size
6Y0352	350	145	118	45	5	D6/D7
9W2452	370	167	125	80	15	D8/D9
4T4502	440	220	150	70	15	D10/D11

External measurements in mm

## PENETRATION TIP

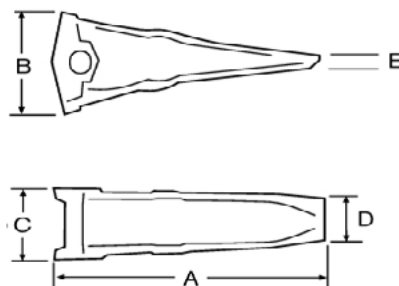


Part No	A	B	C	D	E	Machine Size
6Y0309	285	102	82	45	12	D4/D5
6Y0359	348	145	118	50	12	D6/D7
4T5452	390	172	140	48	14	D8/D9
4T5501	390	225	160	88	20	D10/D11
4T5502	430	233	164	70	18	D10/D11

External measurements in mm

# CAT STYLE RIPPER TEETH

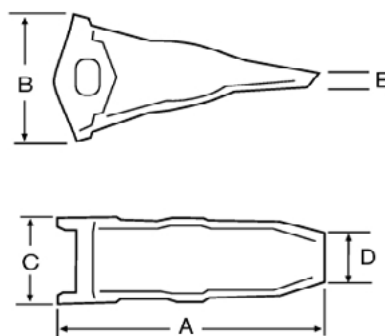
**STANDARD TIP** - Premium quality self sharpening design (MTG)



Part No	A	B	C	D	E	Machine Size
MR35A	390	155	110	65	15	D6/D7
MR45S	375	180	120	70	20	D8/D9

External measurements in mm

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



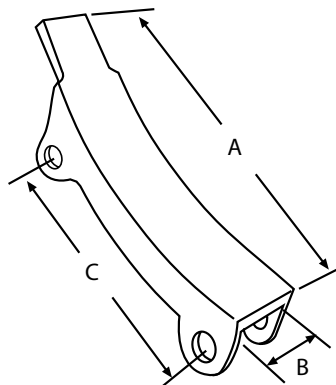
Part No	A	B	C	D	E	Machine Size
MR45I	300	180	120	70	20	D8/D9
MR50I	410	230	155	75	20	D10/D11

External measurements in mm



# CAT STYLE SHANK PROTECTORS

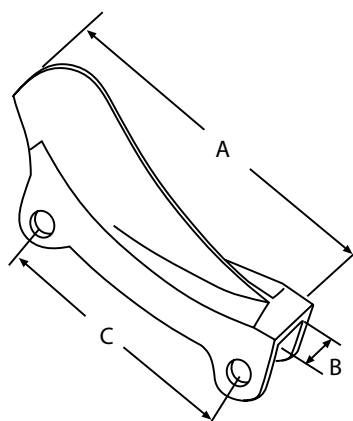
## D7-D9 STANDARD PIN-ON PROTECTOR



Part No	A	B	C	Machine Size
6J8814	435	80	312	D7/D8/D9

Dimensions in mm

## D7-D9 HEAVY DUTY PIN-ON PROTECTOR

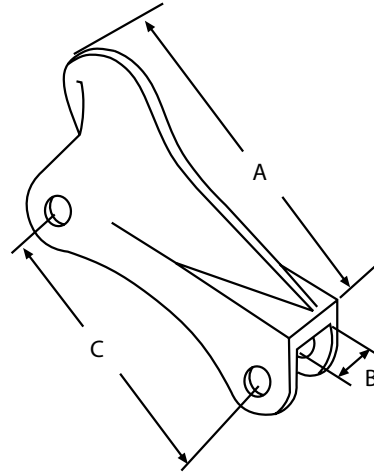


Part No	A	B	C	Machine Size
8E1848	450	83	312	D7/D8/D9

Dimensions in mm

# CAT STYLE SHANK PROTECTORS

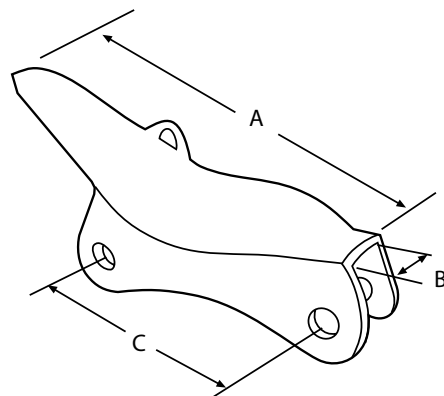
## D10-D11 STANDARD PIN-ON PROTECTOR



Part No	A	B	C	Machine Size
9W8365	540	96	400	D10/D11

Dimensions in mm

## D10-D11 EXTENDED PIN-ON PROTECTOR



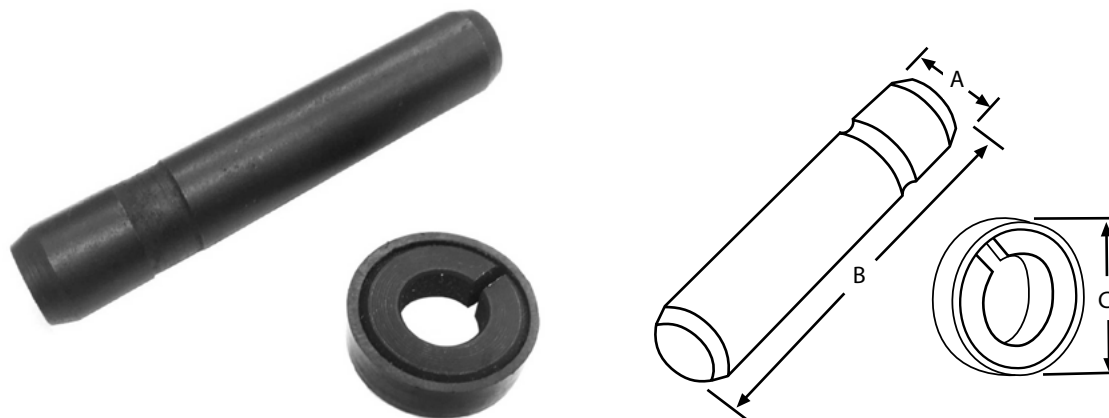
Part No	A	B	C	Machine Size
9W8365EXT	850	96	400	D10/D11

Dimensions in mm



# CAT STYLE PINS & RETAINERS

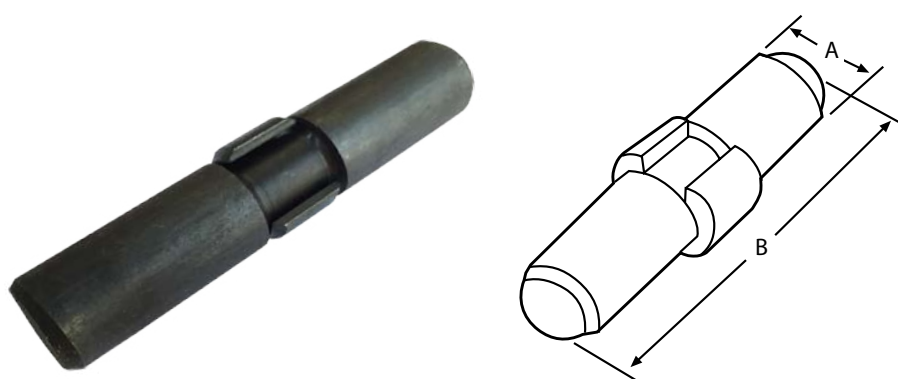
## STANDARD PIN AND RETAINER



Part No	Retainer No	A	B	C	Machine Size
9W2668	8E6359	19	89	40	D4/D5
9W2678	8E6359	19	106	40	D6/D7
6Y3394	8E4743	25	128	48	D8/D9
6Y3909	4T4707	32	154	64	D10/D11

Dimensions in mm

## PIN ASSEMBLY



Part No	A	B	Machine Size
4T2479	25.4	119	D8/D9
4T2479BC	25.4	128	D8/D9
6J8811	32	115	D10/D11
3G0500	32	152	D10/D11

Dimensions in mm

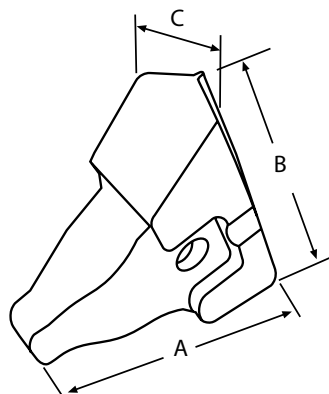
## **ESCO STYLE RIPPER PRODUCTS**



# ESCO STYLE RIPPER TEETH

## WELD-ON REPAIR NOSE

Used for replacing worn or broken ripper noses



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

Dimensions in mm

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



Fig.1

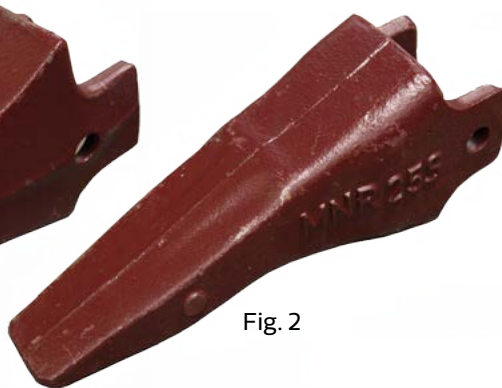


Fig. 2

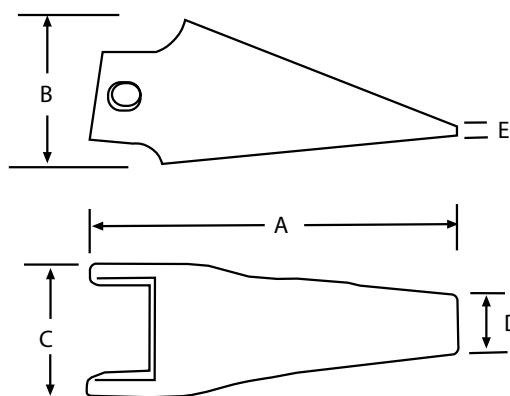


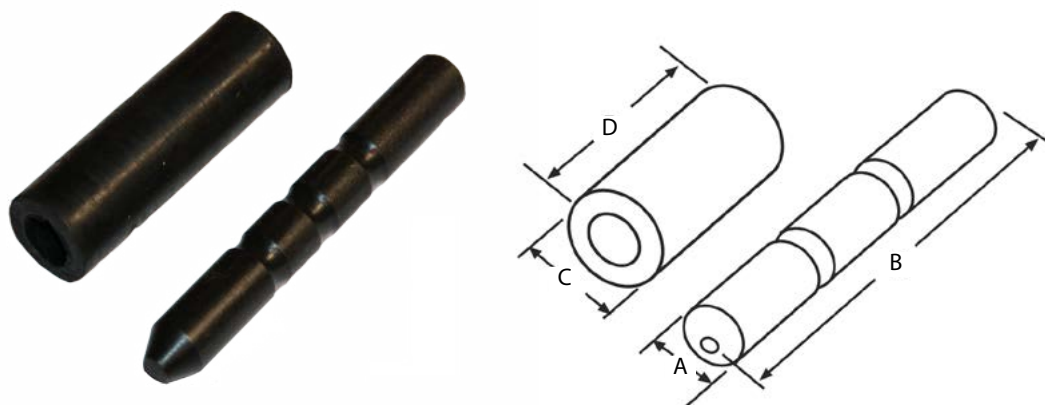
Fig	Part No	A	B	C	D	E	Retainer
2	22R10	230	92	82	42	8	D3/D4/D41/D53
2	MNR25s	260	110	90	50	8	D5/D6/D65
1	MNR35s	310	165	120	78	8	D7/D85
1	39RH17	430	188	144	75	15	D8/D155

External measurements in mm



# ESCO STYLE PINS & RETAINERS

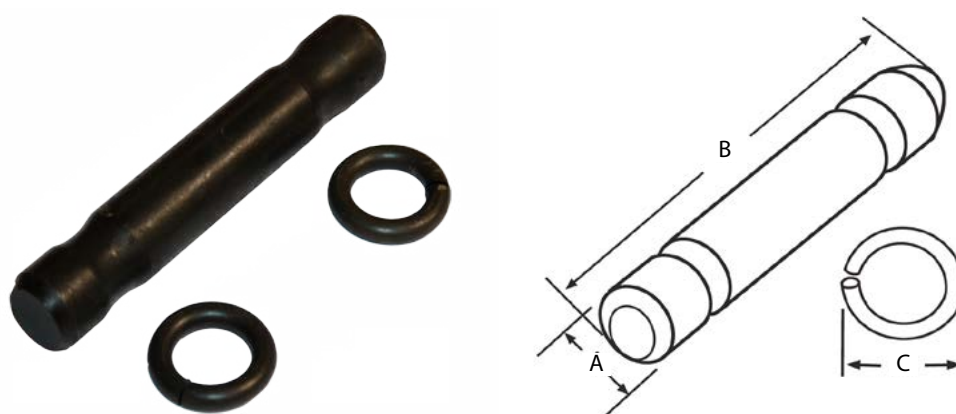
## STANDARD PIN AND BUSH



Pin No	Bush No	A	B	C	D
22RPG	22RBG	13	82	21	57
25RPG	25RBG	13	92	23	65
35RPG	35RBG	13	121	21	83

Dimensions in mm

## HEAVY DUTY PIN AND RINGS



Pin No	Ring No	A	B	C
35RPH	39/49SR	22	127	33
39RPH	39/49SR	22	151	33

Dimensions in mm

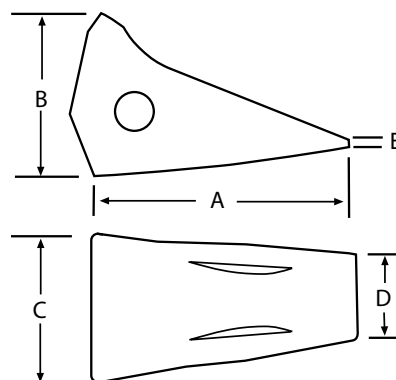
# KOMATSU STYLE RIPPER PRODUCTS





# KOMATSU STYLE RIPPER TEETH

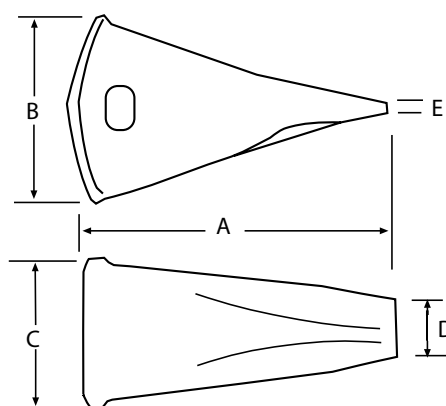
## ECONOMY TIP



Part No	A	B	C	D	E	Machine Size
141-78-11253	263	155	120	95	4	D65/85

External measurements in mm

## CENTRELINE TIP

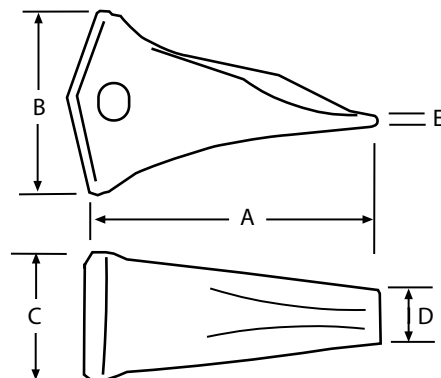


Part No	A	B	C	D	E	Machine Size
175-78-31293	373	165	124	80	10	D85/D155
175-78-31232	323	124	165	75	8	D85/D155
195-78-21331	370	198	125	75	10	D275/D355

External measurements in mm

# KOMATSU STYLE RIPPER TEETH

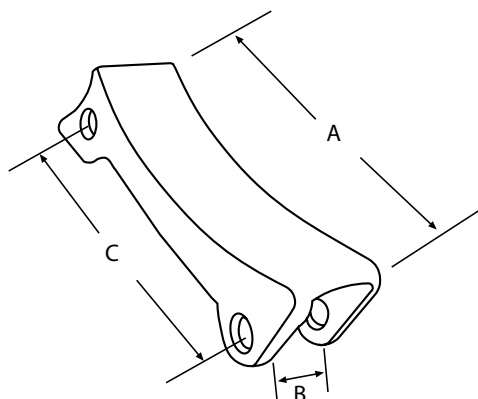
## PENETRATION TIP



Part No	A	B	C	D	E	Machine Size
195-78-71320	445	214	125	95	15	D375
198-78-21340	495	255	150	85	20	D475

External measurements in mm

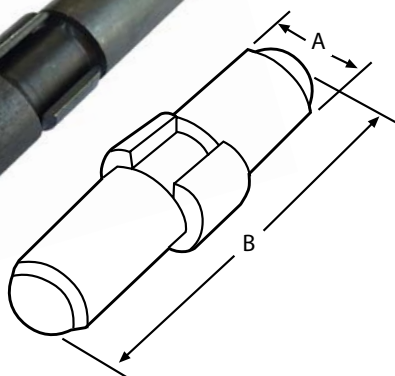
## STANDARD PIN ON PROTECTOR



Part No	A	B	C	Machine Size
195-78-21320	410	80	345	D85/D155/D275
195-78-71110	480	84	470	D375

External measurements in mm

## PIN ASSEMBLY



Part No	A	B	Machine Size
175-78-21810	25	116	D65/D155/D275
195-78-71360	30	112	D375
09244-03036	30	136	D475

Dimensions in mm













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