



Rail Catalogue

Edition 04

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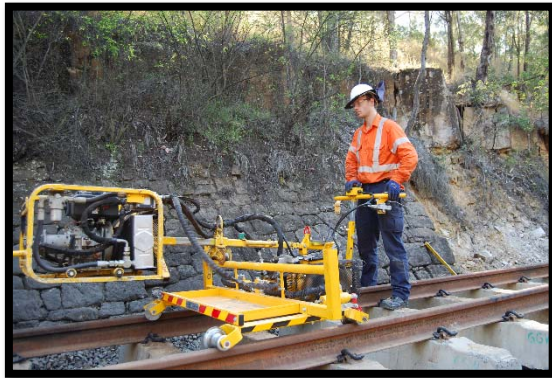


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Who are Melville Equipment Corp

Melville Equipment is a second generation, Australian-owned family business manufacturing rail track maintenance equipment, geotechnical drilling rigs, portable hydraulic equipment and hand tools.

Melville Engineering was established in 1982 and was renamed when the second generation purchased the company in 2007, with manufacturing facilities located in Newcastle, Australia.



The team at Melville Equipment listens to its customers and are continually developing new products to add to its expanding product range.

Our products are practical in nature, easily maintained, robust in design, and give outstanding performance.

Hydraulic tools are either dedicated work tools or the Trackpack system. Grinders, Shears, drills, clippers, drivers and hand tools of all types are available.

Melville Equipment distributes various products including Rail Products UK MEWP's, Knox Kershaw Ballast Regulators, Permaquip track equipment, Abtus measuring instruments, Sola track gauges, Rotabroach Rail Drills, Husqvarna Rail Saws, Atlas Copco Tampers, Enerpac Track Jacks & Tensors, Yanmar powered products and Honda engines.

Melville Equipment services equipment at its premises or are available to attend on site.



Melville Divisions

PATENTS

P1120AU00

P1121AU00

P1123PC00

P1124AU00

P1145PC00



Design

The design team focuses on providing robust solutions that solve technical problems our customers face.

Our design team is comprised of qualified mechanical engineers and dedicated drafting staff.

Using 3D CAD software, AutoDesk Inventor, the team can generate fully functioning virtual products.

Once designs are approved and tested, new products are manufactured in our facility in Newcastle NSW Australia.

Manufacturing

Our manufacturing facility is fully self-reliant, with numerically controlled computer and manually operated machinery. We have qualified trades people that are dedicated to the continual improvement of our product.



Service

Our service technicians are available both onsite or in our facility to perform all services and periodical inspections. As an OEM (original equipment manufacturer) we stock a full range of spare parts to support our manufactured products and can offer competitively priced parts for other branded machine components.

Onsite training and information days are available on request.



Ballast Regulators – Knox Kershaw Inc.

Single gauge ballast regulators

KBR 850



KBR 875



KBR 925

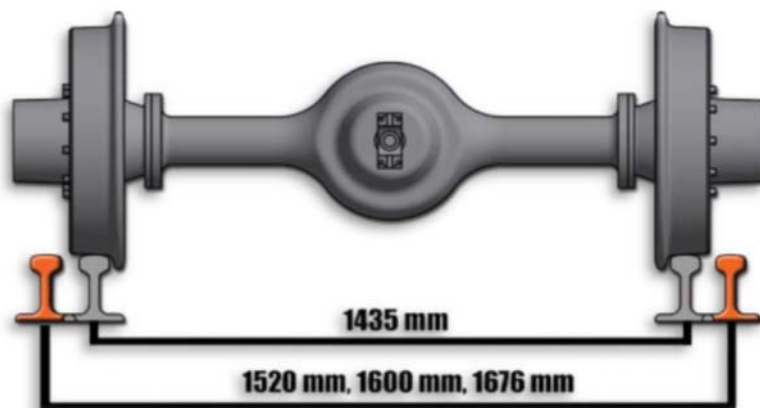


KNG 800

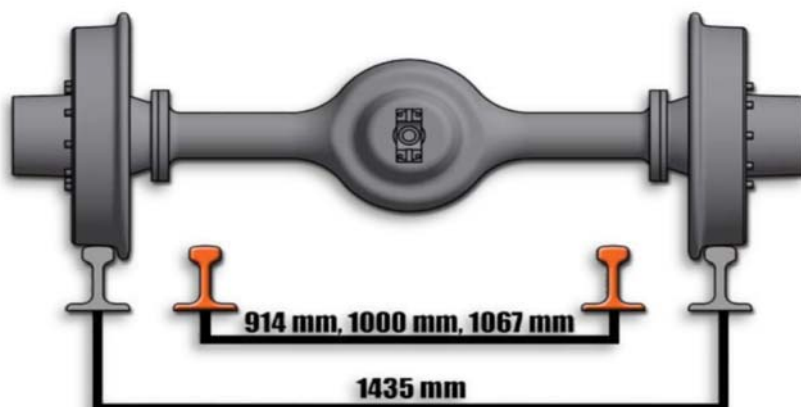


Gauge convertible ballast regulators

KBR 925C



KNG 800C



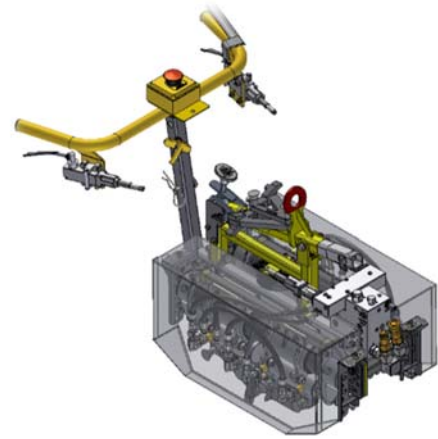
Clippers

E-Clip/PR Clip Inserter and Remover – FP-190

This work head installs and removes Pandrol E and PR clips on concrete and timber sleepers.

Features

- **Part No. FP-190-TP**
- Unique ram system applies 4 tonne insertion and extraction force.
- Suitable for inserting galvanised clips.
- Clips-up even with dropped or low sleepers.
- Tool free, 3-minute change over from clip-up to un-clip.
- Ergonomic adjustable height operating handle.
- Dual trigger control, pull cable standard, push button solenoid on request.
- 100 % maintenance free.
- Fully guarded.
- Includes E-stop and work light.
- Supplied with transport/stowage frame and lift bar.



Trackpack Head - FP-190-TP



E-Clip/PR Clip Inserter and Remover – FP-190-HH Hand Held

This innovative lightweight design eliminates the need for an operator to apply high force to a Panpuller while standing on unsteady ballast, as well as stops operators overdriving clips, which reduces the toe load on the clip. This machine is ideally suited to small output gangs on shutdowns and spot work.

Features

- **Part No. FP-190-HH**
- Lightweight
- Unique ram system applies 4 tonne insertion and extraction force.
- Suitable for inserting galvanised clips.
- Operate with any ½" square drive high torque impact wrench



E-Clip/PR Clip Remover – FP-186



The Elastic fastener remover has been recognised by NSW Mining and Hunter Manufacturing as the safest method of removing Pandrol E and PR railway fasteners. The machine is Network Rail Approved and CE Certified.

The machine will remove the fasteners in many track conditions without the need for the operator to use hammers. Even Frozen / Rusted clips can be successfully removed with this work head.

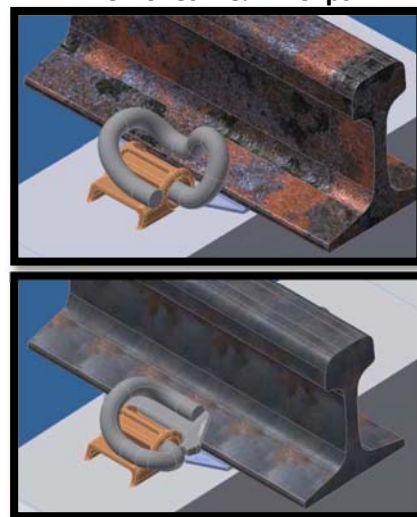
PATENTED

The E-Clip/PR Clip remover is currently one of nine hydraulic work heads available for the Trackpack system.

Features

- Removes the requirement of hitting clips with a hammer, preventing operator injury
- Machine weight counterbalanced for minimum operator effort – attaches to a Trackpack or dedicated powerpack
- Leaves E-Clips in parked position ready for reinsertion
- Under normal conditions – unclips E/PR Clip on either side of one rail in approx 2-5 seconds
- Under Severe conditions – unclips E/PR Clips on either side of one rail in approx 6-180 seconds and may also require heating of the shoulder to assist with removal
- Dual trigger operation for safety

Removes E & PR-Clips



Models	FP-186-TP	FP-186-TPUK	FP-186-HE	FP-186-YE
Engine	Trackpack Work Head	Trackpack Work Head – UK Model	13HP Honda® Petrol Electric Start	7HP Yanmar® Diesel Electric Start
Dimensions (mm) LxWxH	1600 x 740 x 1060	1600 x 740 x 1060	2800 x 740 x 1200	2800 x 740 x 1200
Approx Weight (wet)	120kg	120kg	250kg inc counter bal weights	250kg inc counter bal weights
Approx clip Cycle	3-180 sec	3-180 sec	3-180 sec	3-180 sec
Fuel Type	Trackpack	Trackpack	Petrol	Diesel
Battery	Trackpack	Trackpack	12V	12V

E-Clip/PR Clip Remover – FP-186-EYE

The 186-EYE E-Clip Remover is designed to remove E and PR Clips (elastic fasteners) that are broken at the shoulder or severely weathered where conventional methods are no longer successful.

The 186-EYE has the ability to be used on rail sizes from 41kg/m to 68kg/m rail using traditional concrete sleepers and can be swivelled from one side of the rail to the other in a matter of seconds.

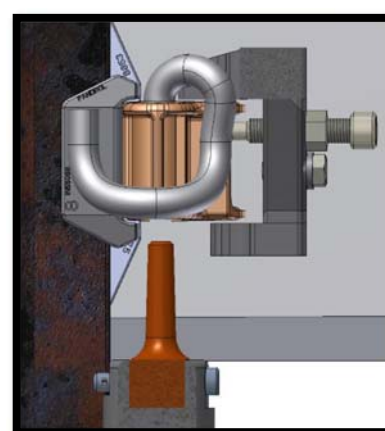
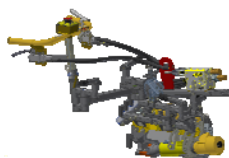
This machine strikes the end of the clip inside the shoulder and punches the clip out, while supporting the shoulder of the sleeper. In severe conditions heating of the shoulder may also be required to assist in clip removal.

By using the “186-EYE Broken E-Clip Remover”, injuries from traditional methods of removing these clips (swinging hammers) have been eliminated. These are (but not limited to):

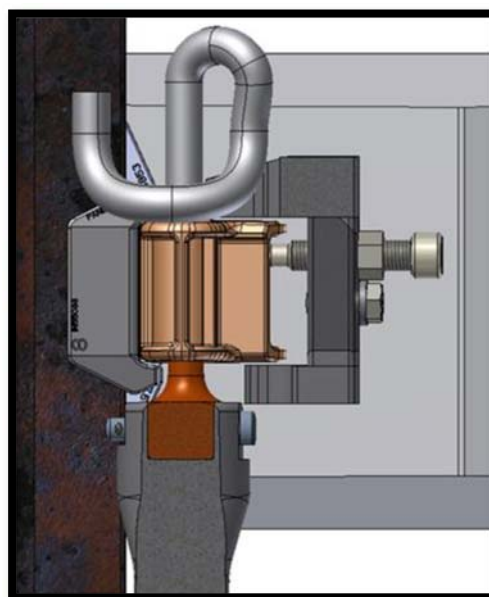
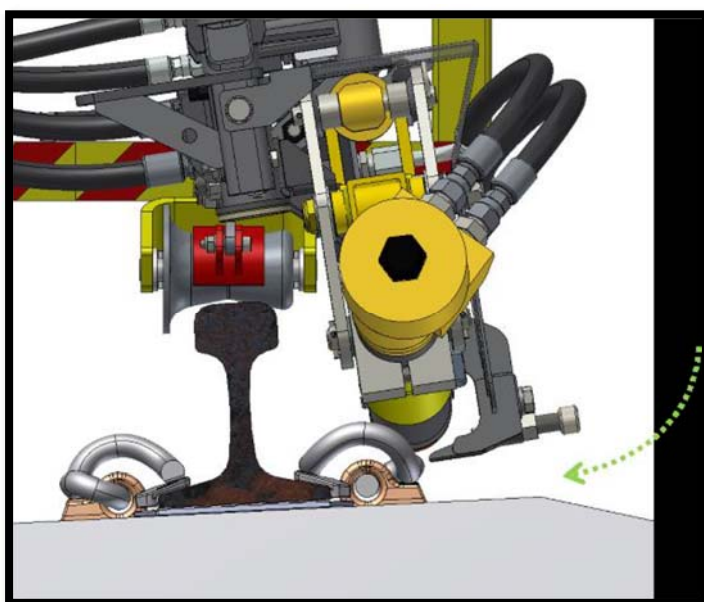
- Back strain
- Repetitive strain injury
- Hammer strikes to legs
- Damage to feet through striking/or clips hitting ball of foot
- Struck by flying clips
- Infrastructure damage

Features

- Counterbalanced design (user to lift <5kg during operation)
- Emergency stop, hose covers, dual handed operation
- Guarding and lifting points (mechanical lifts)
- Trackpack work-head



PATENTED

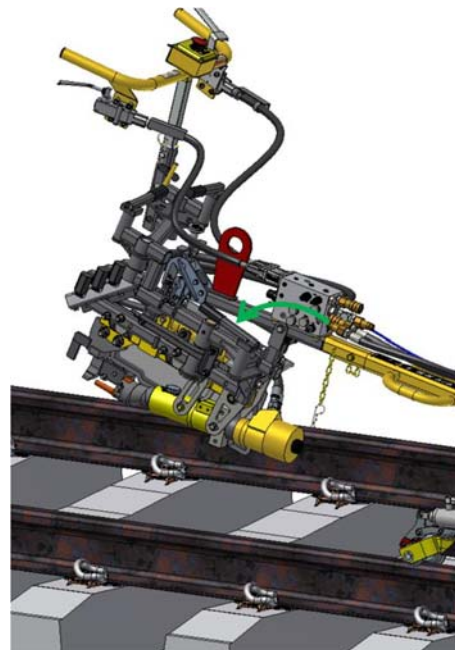
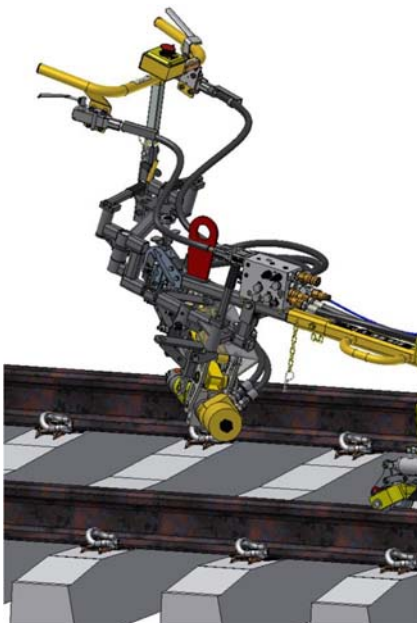
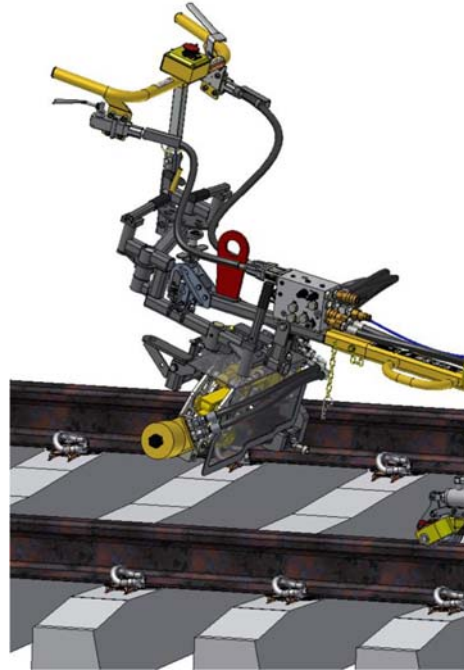
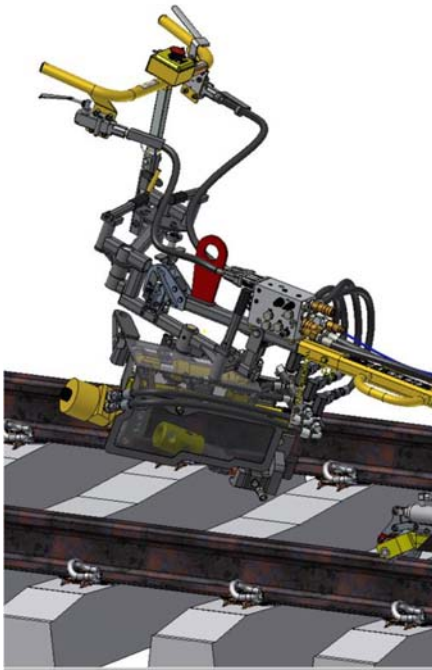


Changing sides of the rail

The 186-EYE is designed to alternate between rail sides quickly and easily.

The operator handles are designed to position the operator on the opposite side of the rail to the hammer, this is for two reasons:

- The handles counterbalance the weight of the hammer, keeping load on the operator to a minimum (< 5kg).
- The operator is removed from the line of force, eliminating any risk of being struck by a flying clip.



Fastclip / Traklok II Inserter and Remover & Mackay Clip Inserter – FP-164

Installs and removes Pandrol Fast Clip on concrete sleepers and Traklok clips on steel sleepers. The clipper comes complete with a power pack, rail trolley with tool tray and a set of Fastclip clipping and unclipping jaws. Honda Petrol or Yanmar Diesel engines are available, and a night light option is offered with all electric start machines.



Features

- Quick change jaws, pull two pins to swap from clip to unclip
- Simple trigger action for fast clipping and release to reset ready for the next set of clips
- Only 3 seconds cycle time means a very fast operation
- Clips and unclips uninsulated Fast Clips
- One setting is able to clip on rail from as little as 30 kg/m to 68 kg/m track
- Machine weight counterbalanced for minimum operator effort
- All trolley gauges available with brakes including dual gauge trolleys
- Dual Trigger Operation for safety
- Easy glide trolley wheels
- Trackpack head available for use with Trackpack system (see Trackpacks catalogue page for information)
- Patented hydraulic oil cooler also minimises circuit heat

Dedicated Fastclip/Traklok clipping machine

Available options

- Work light
- exhaust gas scrubbers
- noise reduction enclosures
- Traklok II Steel Clip jaws
- Traklok II Steel Unclip jaws
- Fastclip II unclip jaws for small rail

<i>Models</i>	FP-164-TL01 FP-164-FC01	FP-164-HE	FP-164-HR	FP-164-YE
Engine	MEC Trackpack	13HP Honda® Petrol Electric Start	13HP Honda® Petrol Recoil Start	7HP Yanmar® Diesel Electric Start
Dimensions (mm)	800 x 740 x 1060	2800 x 740 x 1200	2800 x 740 x 1200	2800 x 740 x 1200
Weight (wet)	90kg	200kg	200kg	200kg
Fuel Type	Trackpack	Petrol	Petrol	Diesel
Battery	Trackpack	12V		12V
Hydraulic Oil*	ISO68Trackpack	ISO68	ISO68	ISO68

Fast Clip & Traklok II Jaw Options (Quick Change)

The Fastclipper work-head has the capabilities to remove and install both insulated and non-insulated Traklok II clips that are insulated and non-insulated.

Choice of jaws:			
Item Number	Number Required	Description	Part Image
1640146	2	FastClip Clip up Jaw (All rail sizes)	
1640212	2	FastClip and Traklok II (non-insulated) UnClip Jaw (41-68kg rail)	 
1640213	2	Unclip Jaw Blade	
1640214	2	Unclip Jaw Blade Pin	
RCLIP03	2	R-Clip 3mm to retain Unclip Jaw Blade	
1640193	2	Traklok II B296 Steel Clip up Jaw	
1640201	1	Traklok II Reaction Plate with unclip jaws (41-68kg rail)	
1640183	2	Traklok II insulated/non-insulated unclip jaw (2x jaws included in 1640201)	

Fastclip Quick Change Jaws Retrofit Kit



Change Jaws from clip to unclip in MINUTES, simply remove 3x pins per arm to changeover.

Parts required to convert to new style quick change jaws			
Item Number	Number Required	Description	Part Image
1640148	2	Clipping Arm	
1640173	4	Main Unclip Jaw pin	
1640175	4	Main pin for Clip up Jaw	
1640154	2	Centre quick change pin assembly	
PIN0604	2	Lynch Pin	
1640171	2	Jaw Link to Frame with Boss	
1640172	2	Jaw Link to Frame	

Cranes – Knox Kershaw Inc.

Bridge Crane

KBC 1100



Sleeper Handling Cranes

KTC 1200



KTC 2000



Crane Options

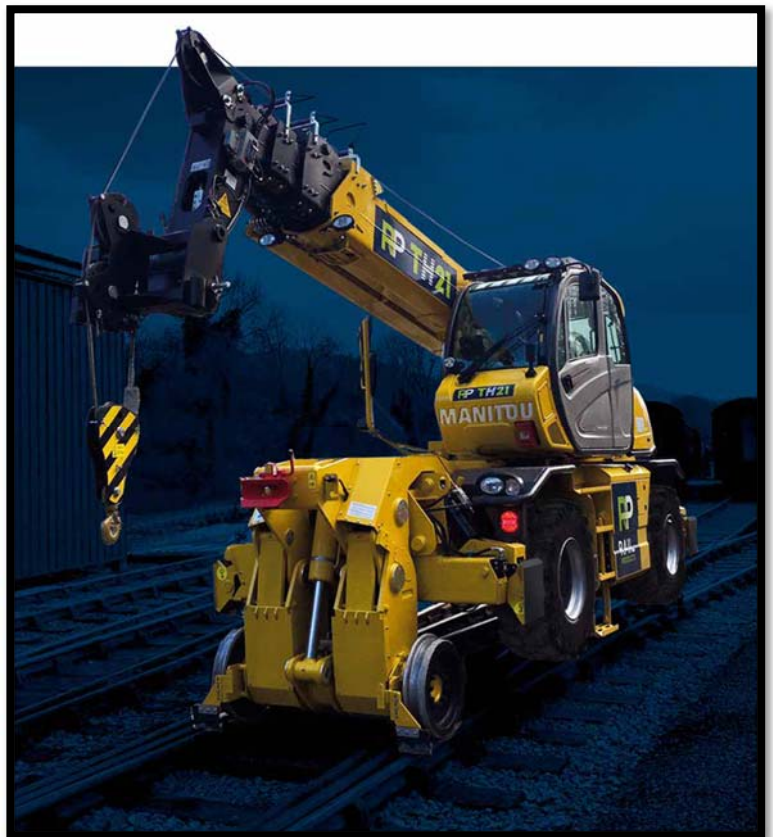


Cranes – Rail Products UK

Road/Rail Crane – TH21

Features

- Height reach of 21 metres
- Lifts and carries up to 6 Tons
- Hydrostatic 4-wheel drive on rail
- Tow up to 48 Tons
- Compatible with over 20x Manitou quick hitch attachments



Derailers

31kg – 41kg Rail

Left hand throw Part No. **1121360**

Right hand throw Part No. **1121361**

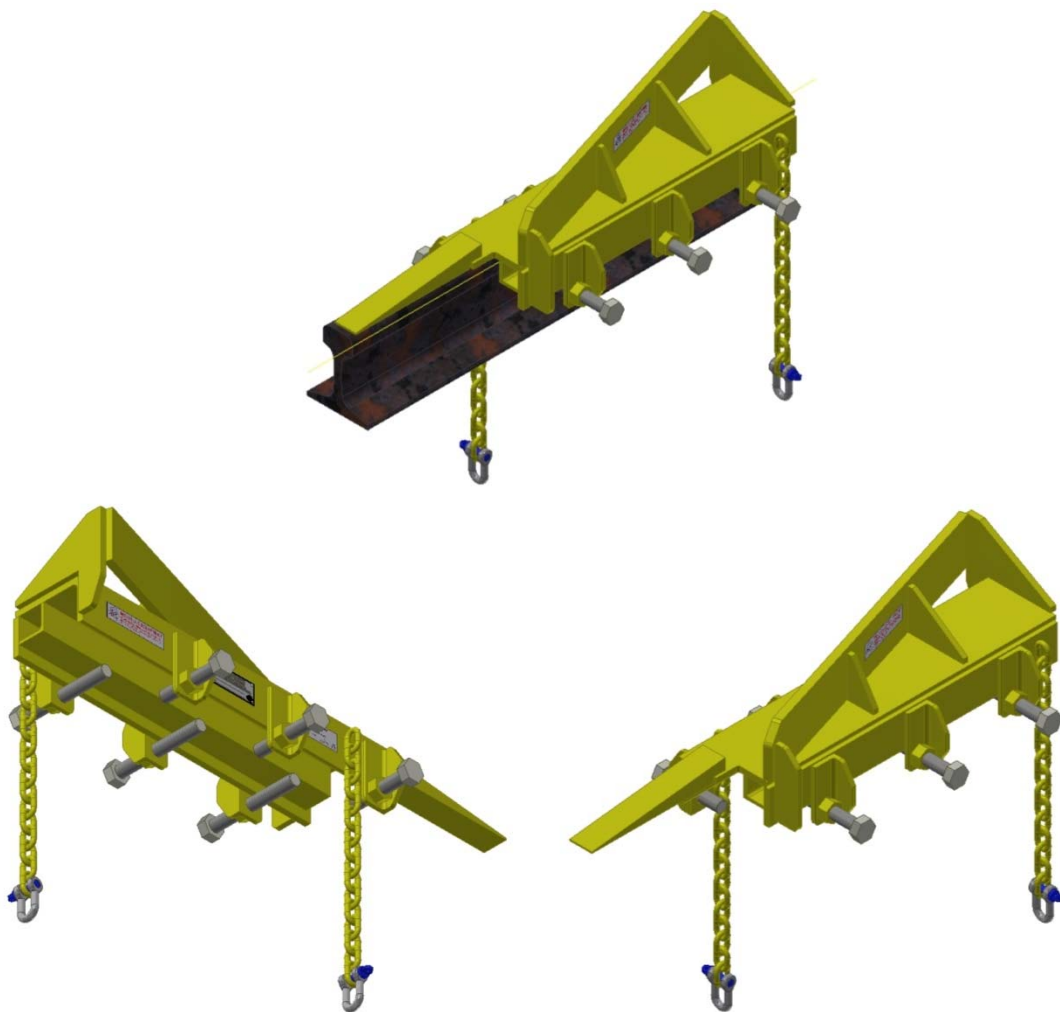
Weight – 41 kg

47kg – 60kg Rail

Left hand throw Part No. **1120901**

Right hand throw Part No. **1120464**

Weight – 47kg



Drills

Rotabroach Rail Drill – Petrol (4 Stoke)

Rotabroach Rail Drill Package includes:

- Rail Drill
- Coolant Bottle
- 5x 32mm Tungsten Carbide Tipped Cutters
- 2x Height Templates 41-47kg/m & 53-60kg/m
- 2x Hole Centre Locators 41-47kg/m & 53-60kg/m
- Lightweight Carry Case
- Quick Release Clamp
- Bonding drill bit adaptor available



Part No. FP-112-RDPK-QC

Part No. FP-112-RDPK-QC-TW (Twist Drill cutter)



- ✓ Complete with lightweight carrying case & coolant pump
- ✓ Highly portable with low noise level (average noise level during cutting at operator's ear position is 81 dBA)
- ✓ Robust and reliable

Specifications

Model Number	RD074 / RD074HSQ
Motor type	Honda 4 stroke
Displacement	49 / 51
Maximum hole cutting capacity	36mm dia
No load speed	167rpm / 660rpm
Overall dimensions	Height 420mm Width 420mm Exc. bottle Length 540mm
Net weight	18.5kgs
Spindle bore	19.05 (3/4")
Throttle activation	Automatic with feed
Safety features	Clutch fitted

Rotabroach Rail Drill – Electric



Part No. FP-112-RDPK-E4160

Part No. FP-112-RDPK-E68

Rotabroach Rail Drill Package includes:

- Rail Drill
- Coolant Bottle
- 5x 32mm Tungsten Carbide Tipped Cutters
- Height Templates to suit
- Hole Centre Locator and base to suit
- Lightweight Carry Case
- Quick Release Clamp
- Bonding Drill bit adaptor available



- ✓ Complete with lightweight carrying case & coolant pump
- ✓ Highly portable with low noise level (average noise level during cutting at operator's ear position is 89 dBA)
- ✓ Robust and reliable

Specifications

Model Number	CM/127/1 / CM/127/3
Motor type	110V full load 11amps 1100 W 230V full load 5amps 1100W
Displacement	49 / 51
Maximum hole cutting capacity	40mm dia
No load speed	350 - 600rpm
Overall dimensions	Height 265mm Width 180mm Exc. bottle Length 510mm
Net weight	16.2kgs
Spindle bore	19.05 (3/4")
Safety features	Clutch and electronic overload

Rotabroach Rail Drill – Petrol (2 Stroke)



Rotabroach Rail Drill Package includes:

- Rail Drill
- Coolant Bottle
- 5x 32mm Tungsten Carbide Tipped Cutters
- Height Templates to suit
- Hole Centre Locator and base to suit
- Lightweight Carry Case
- Quick Release Clamp
- Bonding drill bit adaptor available

Part No. FP-112-RDPK-2S4160

Part No. FP-112-RDPK-2S68

Carry Case Part No. 1160383

- ✓ Complete with lightweight carrying case & coolant pump
- ✓ Highly portable with low noise level (average noise level during cutting at operator's ear position is 89 dBA)
- ✓ Robust and reliable

Specification

Model Number	RD07A
Motor type	Stihl 2 stroke
Displacement	34.4cc
Maximum hole cutting capacity	36mm dia
No load speed	200 RPM
Overall dimensions	Height 450mm Width 420mm Exc. bottle Length 540mm
Net weight	18.5kgs
Spindle bore	19.05 (3/4")
Throttle activation	Manual lever
Safety features	Clutch fitted

Rotabroach Rail Drill – Accessories

Height Templates



The Rotabroach system eliminates the need for individual templates saving time and expense. To move from one rail form to another, operators only need to release the centre screw, turn the template to the appropriate position and locate it on the dowels before re-tightening.

Part No's:

1121402 – 22kg/m / **1121317** – 30kg/m / **1120548** – 31kg/m / **1120988** – 41.5kg/m

1121479 – 47kg/m / **1121480** – 50kg/m / **1121481** – 53kg/m / **1121482** – 60kg/m

1120881 – 68kg/m / **1120584** – 50-53kg/m / **1120832** – 73kg/m

1120584 – 50-53kg/m / **1120386** – 53-60kg/m / **1120585** – 50-60kg/m / **1120387** – 41-47kg/m

Hole Centre Locators



To ensure that the holes are correctly distanced from centre to centre, a hole centre location unit is available which fits on top of the rail and can quickly be secured by tightening two handles. Recesses in the plate are designed to accommodate the machine as it is lowered into position. These features provide complete accuracy when working in difficult and low light conditions.

Part No.: **1120389** 3-Hole Locator 41-47-53kg/m

1120399 3-Hole Locator 50-60kg/m

1120699 2-Hole Locator 50-60kg/m

1120915 Hole Centre Locator for Insulated Rail Joints 68kg/m plus base **1120916**



Quick Release Rail Clamp

The Rotabroach rail machine is equipped with a quick release rail clamp system, enabling the rail clamp to be easily removed from the rail with a single movement of the release handle. Will save time when drilling multiple holes.

Tram Adaptor Kits

Tram adaptor kits include height template, clamp adaptor and could also include packer plate, bas plate insert and arbour extension.

Kits available for various sized Tram rail.



Railway TCT & HSS Cutters– designed to cut even the toughest of rail

Available cutter sizes 18mm – 36mm Most common sizes listed below, Special sizes available on request
M42 Solid twist drills available 6-27.5mm – drilling depth 25mm

Part No.: **1121105** – Adaptor to take Bonding Drill 9/32" or 7.14mm

Part No.: **1120975** – Adaptor to take the Twist Drill bit

Drill Type	Part No.	Ømm	Short Series		Long Series	
Tungsten Carbide	RCTCT2525 – 3225	18-32	Rotabroach Pilot Pins		Rotabroach Pilot Pins	
High Speed Steel	RCHSSC1825 – 3225	18-32	Part No.	Range	Part No.	Range
Twist Lock, also suits Trakstar	TS15236 TS15238 TS15240	28 30 32	1120697	13-40mm	1120698	13-40mm

Lubricants

Bio-Degradable Cutting Fluid 20L Part No. **1120941**

Stick Lubricant Part No. **RCSTICKLUB**

Stihl BT 45 Sleeper Drill

Lightweight, powerful wood boring drill, ideal for building or repairing docks and bulkheads, fences, outbuildings, retaining walls and other structures where electricity is not available.



Part No.
1540245

Specifications

Technical Data	
Model	BT 45 Drill
Displacement (cm ³)	27.2
Engine Power (kW)	0.75
Weight (kg)	4.8
Gear Speed 1 st (rpm)	910
Gear Speed 2 nd (rpm)	2,710
Gear Speed Reverse (rpm)	590
Fuel	Petrol

Features

- Dependable, powerful and lightweight Quad Power™, 2- cycle gasoline powered engine
- Primer bulb and throttle lock for easy starting
- Easy access air filter / Electronic ignition / Exclusive tool less fuel cap / Two-ringed piston
- Compact, streamlined ergonomic design makes it easy to operate
- Anti-vibration system for comfortable use
- Four function gearbox, with two forward speeds, neutral position as well as a reverse gear
- Keyless chuck accepts 1/2" drive bits up to 1" in diameter
- Friction clutch is designed to slip if bit stalls
- Balanced design with well-spaced handles

Tanaka & Sons Sleeper drill – TED260-RS

Sleeper Drill

Part No. **1540116-KC-PRO**



Technical Data	
Model	PRO-TED260-RS
Displacement (cm ³)	25.4
Engine Power (kW)	0.7
Weight (kg)	5.2
Gear Speed 1 st (rpm)	0-450
Maximum Drill Bit	38mm
Keyed or Keyless chucks available with extension shaft	
Fuel	2 stroke Petrol

Options available:

Extension Shaft 450mm OAL

Part No. **1120236**

Quick Change chuck Adaptor

Part No. **1121121**

Drill Keyed Chuck ½" Capacity

Part No. **DRC08T08-KC**

Bonding Drill – FP-112-43

Specifications

Models

FP-112-43	Sidelock screwed holder
FP-112-43KC	Keyed Chuck 13mm
FP-112-43NC	Keyless Chuck 13mm

Engine	Tanaka & Sons 2-Stroke
Displacement (cc)	25.4
Max hp (Kw)	1.0 (0.7)
Clutch System	Centrifugal
Starter System	Recoil – Smart Start – Electronic Ignition
Weight (Kg)	5.2 (excluding Carry Case)

9/32 Drill bits with Flats - DR9/32STCOB



New Drill Carry Cases



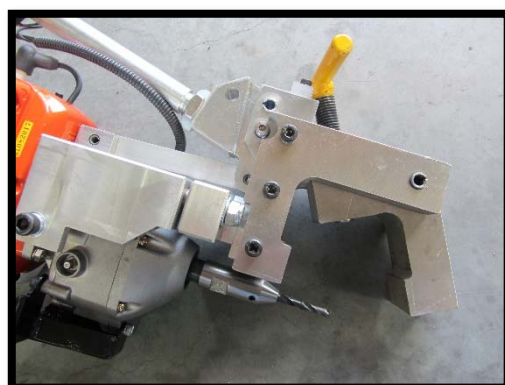
FP-112-43 - Updated Construction



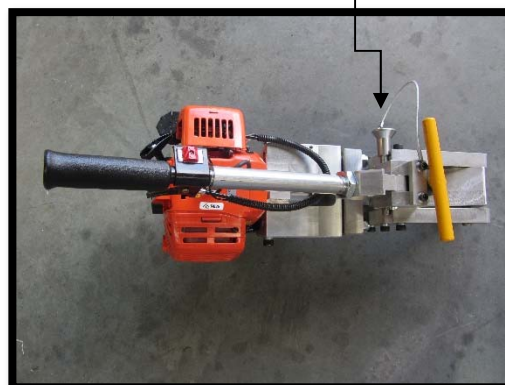
New Kill Switch Position and Grip



Side Locking Drill Chuck



Handle Locking Pin



Sleeper Drill - Stihl BT131



Specifications

Engine Technical Data

Model	BT 131 Drill
Engine Power (Kw)	1.4
Weight (kg)	12.5
Fuel	2 Stroke Petrol
Drilling Speed (Max)	700 rpm
Maximum Drill Bit	38mm (Softwood)

Sleeper Drill (Speed Borer)



The unit has easy to change drill guides and bits, easy to adjust depth stops/apply lever assisted hand feed/ and drill depth stop.

One of the necessities of a good drill is the ease in setting up the drill. The FP-155 Track Pack head has full angle tilt in all directions via clamp on a ball mounting.

The FP-140 models are available in Honda petrol or Yanmar diesel, recoil or electric start with centrifugal clutch. Three Phase Electric version available on request

Track Pack Speed Borer available (see Track Pack section).

Specifications & Models

	FP-140-AR	FP-140-EW	FP-140-EY	FP-140-AS
Engine	Petrol	Petrol	Diesel	Diesel
Starter	Recoil	Electric	Electric	Recoil
Maximum Drill Spindle	1200 rpm	1200 rpm	1200 rpm	1200 rpm
Weight of Balance Beam	74kg	84kg	84kg	74kg
Weight of Rail Trolley	30kg (no Brakes)	30kg (no Brakes)	30kg (no Brakes)	30kg (no Brakes)
Approximate Time to Drill – all models	2-3 Seconds	Common	All	Models
Max Height LxWxH mm	1300 x 630 x 1400	Common	All	Models
Drill Feed Travel	230 mm	Common	All	Models

Gauges & Measuring devices

Cyclic Top Measuring Device (CTMD)

Part No. **ABT7000**



The Abtus ABT7000 is a measuring device which records cyclic top geometry while being pushed by an operator at walking speed.

Cyclic top track geometry data is transmitted from the measuring device via Wifi to a Windows device supplied with the Cyclic Top Software. The software displays track geometry data including distance, Cant, Twist and Gauge in real time. The cyclic top analysis can be viewed at the end of a measurement. The data is saved as a .csv file containing distance, Cant, Twist and Gauge data and as a pdf containing the cyclic top analysis report. PDF reports can be transferred to other devices by using a USB flash drive.

The ABT7000 is intended to be used for the measurement of cyclic top faults. The software also allows the device to be used to measure track geometry. The operator should refer to the ABT7000 instruction manual for further details.

The CTMD is designed with the following characteristics:

- Portable – one user can lift onto and off the track
- Compact – breaks up into three parts for transportation/storage
- Accurately records Gauge, Cant, Distance and Cyclic Top depth and cycles for railway maintenance
- Non – conducting – the gauge is insulated and therefore does not create electrical contact between the two running rails
- Lights – the device is fitted with lights on the front and the back
- Sturdy - the gauge is designed to be solid in structure
- Colour – the device is predominantly yellow
- User - friendly with only limited training required

Platform Gauge

Part No. **ABT4050-1067**

Part No. **ABT4050-1435**

Part No. **ABT4050-1600**



Rail Head Wear Gauge

Rail head wear measuring gauge

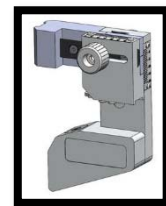
Part No. **ABT4090**



Rail Head Wear Gauge – Magnetic Sidecut

Gauge is held in place by two magnets to measure Rail head wear

Part No. **ABT5200**



Rail Profile Height Measuring Gauge 68kg

Measures wear of rail head in relation to foot of rail.

Machined to ensure accuracy $\pm 0.2\text{mm}$

Part No. 1121541-68KG

Gauges for other rail sizes available upon request



Routescan

Measurement Capabilities

- Tunnels
- Bridges
- Platforms
- Datum Plates
- Signals
- Six-foot and ten-foot rail positions
- Overhead line catenary wire position



abtuslimited 
Excellence in Railway and Marine Engineering since 1908



Laser Scanning 

RouteScan
Real time 360° structure profiling

Sighting Board Set

Part No. **ABT4060**

Measures vertical alignment



Packing Shims – Metric

Part No. **ABT4067**

Used with ABT4060 Sighting Boards



Canister for MSP – Metric

Part No. **ABT3142/1**

Used with ABT4060 Sighting Boards



Stepped Side-wear Gauge

Part No. **ABT4590-70**

Measures vertical alignment



Switch Gauges

1435 mm Part No. **1120908-1435**

1067 mm Part No. **1120908-1067**

1600 mm Part No. **1120908-1600**



Switch Wear Gauge

Part No. **ABT4006**

Used to visually check wear in a switch & crossing



Track Gauges – Collapsible

1435mm Part No. **1120461**

1600mm Part No. **1120462**



Track Gauges – Non-Collapsible



Each gauge has a track superelevation measuring device combined with track gauge measuring instrument and all gauges are supplied with calibration certificates.

Turnout Gauges

Measures both Frog and Flangeway in one simple to use device.



SOLA Gauges

1000mm	Part No. 1120325
1067mm	Part No. 1120327
1435mm	Part No. 1120125
1600mm	Part No. 1120324

Abtus – Digital Gauges

1067mm	Part No. 1121329-1067
1435mm	Part No. 1121329-1435
1600mm	Part No. 1121329-1435

Track Gauge – Storage Box

Part No. **1120125-BOX**

Part No. **1120125-BOXGEISMAR**

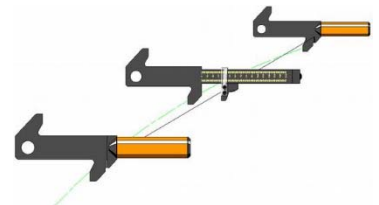
Timber storage box available in a clear lacquer.



Versine Measurement Set

Part No. **ABT4230**

Directly measure versine, no calculation required



Voidmeter (Scottish type)

Part No. **ABT3137-M**

Measures dynamic void 0mm – 25mm

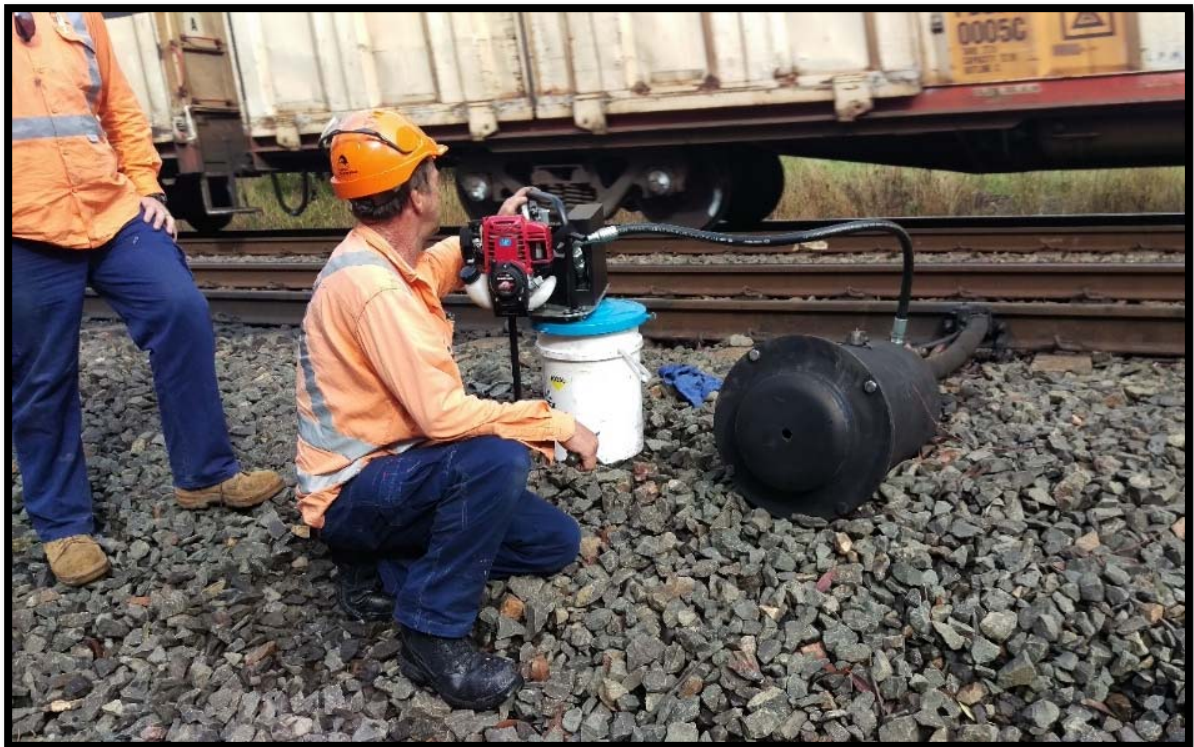
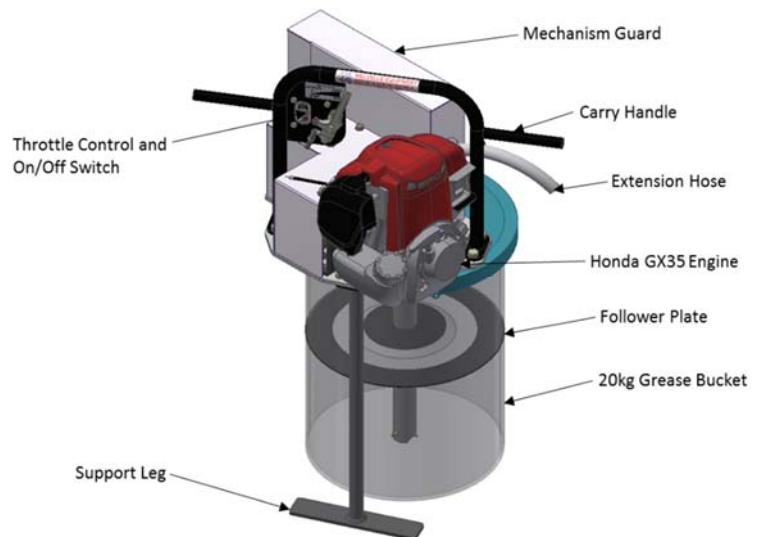


Grease Pump

Rail Grease Pump – FP-112-GP

Features

- Mounts to a 20L grease bucket
- 4 stroke recoil start petrol engine
- Tare weight < 21.5 kg
- 3.8 L/min pumping capacity
- Includes clutch and pressure cut off
- Includes carry handle and support leg
- Fully guarded



Grinders

Rail Grinder – FP-157

The Melville Equipment Grinder Diesel engine is modified in-house to operate at high tilt angles and give much greater torque under load than similar sized engines. Prior to despatch Rail Profile Grinders are supplied with a Melville Equipment proven fast cut grinding wheel for maximum bite into the rail and a high cutting rate and fully tested. The grinder has wide set rail rollers to achieve the smoothest finish possible. Flange rollers assist in supporting the weight of the grinder when grinding the rail face.

(Extended axles and Larger Flanged Rollers available for grinding Crane Rail)

Specifications



Models	157-CV	157-CVE	157-CK	157-DD	157-DC
	Yanmar	Yanmar	Robin		
Source	Diesel	D/Electric Start	Diesel	Hydraulic	Electric 3Ph-415V
Power (Hp)	4.8	4.8	5	-	5
Weight (kg)	75	90	79	57	79
Length (mm)	1150	1150	1150	1150	1150
Width (mm)	650	650	650	650	650
Height (mm)	1000	1000	1000	1000	1000

Conversion Kit

Rail Grinder conversion kits are available to mount to numerous other brand grinder frames. The kit includes a converted Diesel engine, engine mount adaptor plate, adaptor shaft, pulley wheel and belt. The kit is supplied assembled and tested, ready for installation straight onto the existing frame.

Conversion Model – Suit Geismar Grinders

Model	FP-157-CZ	FP-157-BG-2
Engine	Yanmar	Robin
Fuel	Diesel	Diesel
Power (Hp)	4.8	5
Weight (kg)	32	36



Yanmar Conversion
Kit – FP-157-CZ



Diesel – FP-157-CV



Electric – FP-157-DC



Hydraulic – FP-157-DD

For Grinding Stones please refer to Rail Accessories

Handling Equipment

Lifting Beams – Fixed and Adjustable

A range of beams are available in a variety of lengths with capacities up to 300 tons.



Fixed Lifting Beams



Adjustable Lifting Beams

Switch and Crossings Lifting Beam

0.5m long Lifting Beam with chains 5T capacity **Part No. 1121064**

Sleeper Laying Beam

The standard range of Sleeper Lifting Beams with an odd number of Droppers (3, 5, 7) are configured for Sleeper Laying utilising alternate dropper chain assemblies.

When beams are ordered for laying purposes please advise your spacing requirements. Should you have multiple spacing requirements Melvelle Equipment can supply you with adjustable beams. Please call to discuss your specification.

Specification

Beam, chains and hooks

Part No.	No. of Sleepers (Laying)	Sleeper Centres (mm)
1120588	3	500
1120592	4	500
1120605	4	600
1120808	4	Adjustable
1120913	7	Adjustable



Other laying beam and sleeper centre configurations available upon request.

Sleeper Lifting Beams



Sleeper lifting beams are available in various styles with either fixed or adjustable centres, allowing for the differing sleeper spacing's.

In addition depending upon the type of beam, a wide variety of dropper chain configuration and sleeper hooks are available.

The standard range of Sleeper Lifting beams are configured for loading, with dropper chains fitted at half sleeper spacing.

E Clip Hook



E Clip dropper chain assembly

Part No. – **1120810**

E-Clip Lifting Hook only

Part No. – **1120891**

Fast Clip Hook



Fastclip dropper chain assembly

Part No. – **1120809**

Fastclip Lifting Hook only

Part No. – **1120892**

Sleeper Lifter



Sleeper Lifter only

Part No. – **1120893**

Rail Handing Beams

Beams are available for handling 9m (30ft), 13.5m (45ft) and 18m (60ft) long rail sections.

These beams can be fitted with various types of rail clamps detailed in the section or can be used with webbing slings.

All beams are manufactured with a centre lifting eye as standard.

In addition to this they are also fitted with lifting lugs at each end for use with double leg sling.



Specifications

Part No.	Capacity (kg)	Beam Length	Rail Length
1120793	1,000	4.0m	9m (30ft)
1120793-3	3,000	4.0m	9m (30ft)
1120793-B	1,500	7.5m	18m (60ft)
1120793-M	10,000	8.5m	5x 25m

Camlok Rail Lifting Clamps – Type CR

These clamps are designed to lift most sizes of rail in use in Australia. The clamp is either fitted with a hook ring for direct connection to the crane, or with a plate link for fitment with a short chain assembly.

Beam Length	Rail Length	Capacity (kg)	Part No.
4.0m	9m (30ft)	1,000	1120589
7.5m	18m (60ft)	2,000	1120590

Description	Part No.
Chain & shackle (attaches to clamp)	1120966



Drag Clamp



The 12 ton Drag Clamp is for fitting over the head of the rail, and is a means of dragging or pulling lengths of rail up to 183m (600ft) long safely. The clamp is used with various formats of tow chain and wire ropes, the most popular being a 2m or 4m long, 16mm grade 8, twin chain sling with large master link at each end (minimum breaking load 42.4 tonnes).



Description	Part No.
Rail Drag Clamp 12T WLL (60kg,68kg)	1120796
Shear link assembly with shackles	1120797
Chain for drag clamp 16mm x 4m	1120798
Chain for drag clamp 16mm x 2m	1120799



Description	Part No.
Rail Dragging cam 20T WWL (41-68kg)	1121119
Rail Pulling cam 20T WWL R:57kg Tram Rail	1121119-57
Rail Dragging cam chain assembly: Consisting of 1 leg x 5m long x 16mm chain	1121119-CH

Ironman

For transporting, lifting and transposing rail, the Ironman is generally used in pairs. The standard model is fitted with a **1120791** – 1,500kg Yale Pull-Lift and a **1120589** – 1,000kg Camlok rail clamp.

Each unit requires two persons for assembly and is easily dismantled for storage and transportation.

Unit is fully braked and approved by Network Rail UK.

TOC Waver also available.



Part No. 1120790 - 1435
(includes 1170791 & 1120589)

Adaptor link



2-Rail Carrier



Red LED Light



Camlok Rail Clamp



LUL Rail Clamp

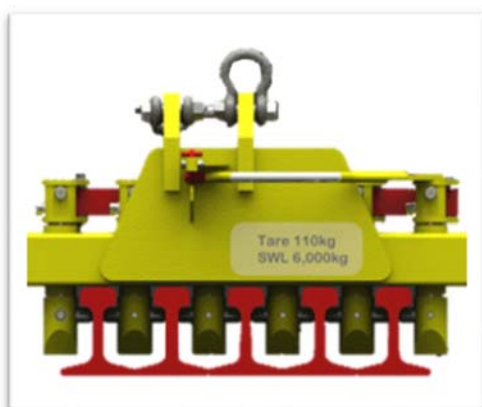


Rail Storage Bracket



Product	Part No.	Mass (kg)	Cert. No.	SWL
Ironman c/w lifting equipment	28957	153	PA05/03385	1500kg
LUL Ironman c/w lifting equipment	28717	141	PE007/1057	1500kg
Ironman w/o lifting equipment	28397	112		1500kg
LUL Ironman w/o lifting equipment	33273	104		1500kg
2-Rail Carrier	35212	4.0		1000kg
Rail Storage Bracket	28511	7.0		500kg
Adaptor Link (for use with Camlok)	27924	1.0		1500kg
Camlok Rail Clamp	04059005	12.5		1000kg
LUL Rail Clamp	06275	8.5		1500kg
Yale Pul-Lift	04059002	15.0		1500kg
S&C lifting chain	28640	6.0		3150kg
Red LED light	04082021	0.1		N/A
Top Beam		31		
Braked End Frame Assembly		36		
UnBraked End Frame Assembly		34		
Bottom Cross beam		11		

Multi-Rail Handler



3 Rail Lift Part No. **1121020-3**

5 Rail Lift Part No. **1121020-5**

6 Rail Lift Part No. **1121020-6**

9 Rail Lift Part No. **1121020-9**

The Multi-Rail Lifter is designed for the handling of bulk rail deliveries. Both manual and hydraulic versions are available.

Multi-Rail Lifters can be made to suit any rail section including conductor and grooved rails.

Rapid Loading and Unloading of Rails

Specification

Weight	115kg
Height (mm)	495
Width (mm)	290
Length (mm)	890
Max Hyd Pressure	190 Bar
Min. Hyd Pressure	90 Bar



Rail Handling “A” Frames

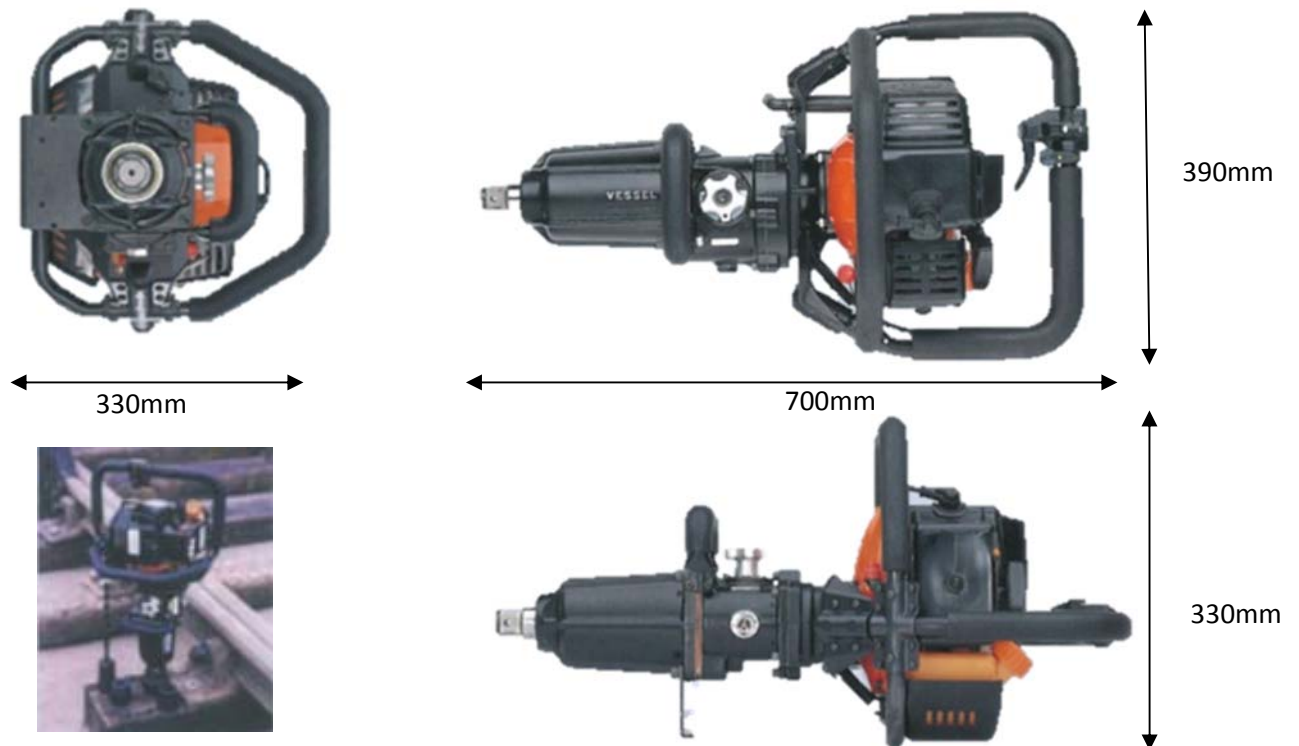


- “A” Frames are rated to 500kg each
- Total mass 78kg each
- Cross beam weight 34kg
- “A” Frame ends 22kg each
- Lifting block and tackle to 500kg capacity available on request

Part No. **1121212**

Impact Wrench

Vessel GT3500GE Impact Wrench – Our Part No. - 1120292 (includes case)



Specifications

Engine	Type	Two Stroke, Forced, Air Cooled, Single Cylinder
	Displacement	46.5cc, $\Phi 43 \times 32$ mm (Inner Bore Size X Stroke)
	Fuel Tank Capacity	1 Litre
	Fuel Mixture Ratio	25:1 (Gasoline 2 Cycle Oil)
	Revolution (idling)	2700 rpm $\pm$ 250
	Revolution (loaded, impact)	7120 rpm
	Revolution (non-loaded, max)	9880 epm
Ignition	Type	Electronic
Carburettor	Free Speed	1200 rpm
Impact	Square Driver Size	25.4 mm (1")
	Fastening Torque Range	1030N.m (Full Throttle: 760ft.lbf 800N.m (Half Throttle: 590ft.lbf
Capacity	Free Speed	1200 rpm
Weight	Bolt Diameter	32 mm (1 ¼ ")
	Without Fuel	19.50kg

"Yellow Guppy" Carry Case



Part No. **1120363**
450mm x 920mm x 430mm
Weight: 6kg (Case Only)

Overhead Wire

Mobile Elevated Work Platform Hi-Rail – ART17THM



Features

- 400kg Basket Capacity
- Continuous 360° Turret Rotation
- 8.94m outreach with telescopic arm fully extended
- Multigauge 1067-1600 (options available in Single, Multi and Tri-Gauge)
- Full stability on 180mm cant in work mode and 200mm cant in travel mode
- Travels over the side at 90° at a 120mm on various cants, depending on gauge, working at all times with a full load of 400kg
- Pantograph measures and records Height and Stagger measurements while on the move
- Onboard control panel with Pantograph in working mode

Height & Stagger Gauge

Part No. **ABT4640-1067**

Part No. **ABT4640-1435**

Part No. **ABT4640-1600**

Safely measures the Height & Stagger of overhead lines (OHL).

Also measures Super-Elevation and Rail Edge to Face of Structure (REFOS).



Laser Offset Gauge

Part No. **ABT4610-1067**

Part No. **ABT4610-1435**

Part No. **ABT4610-1600**

Measures height & distance offset readings from the running rails to a desired object or structure.

Measuring capabilities include Platforms, Datum Plates, REFOS, OHL, Tunnel Clearance, Signals.



Ratcheting Cable Cutter (KLEIN TOOLS)

Part No. **KL-63607**



Wire Pulling Grips (KLEIN TOOLS)

Part No. **KL-1656-50**

Chicago Grip for Bare Wire 0.7" (17.78 mm) to 0.8" (20.32 mm)



Part No. **KL-1684-5F**

Grip for High Strength Cable sizes from 0.16" (4.06 mm) to 0.55" (13.97 mm)



Part No. **KL-1684-5H**

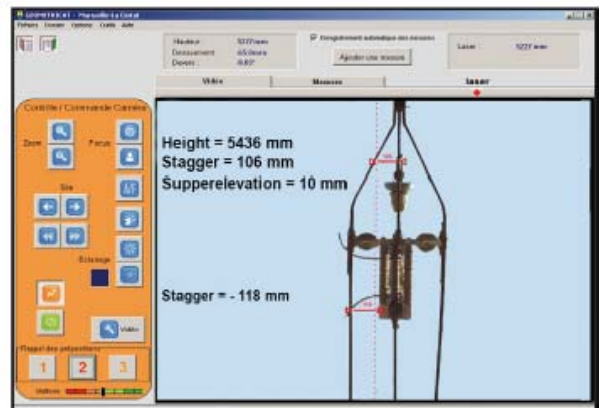
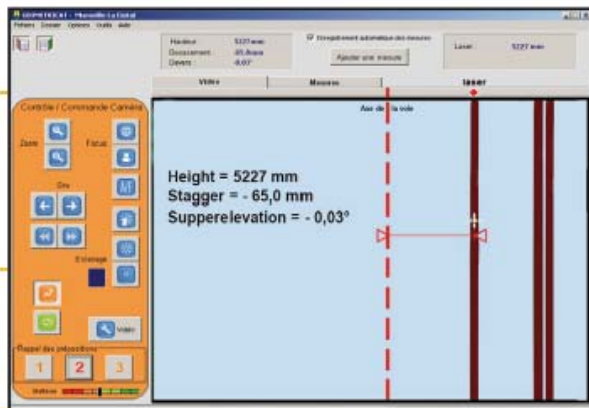
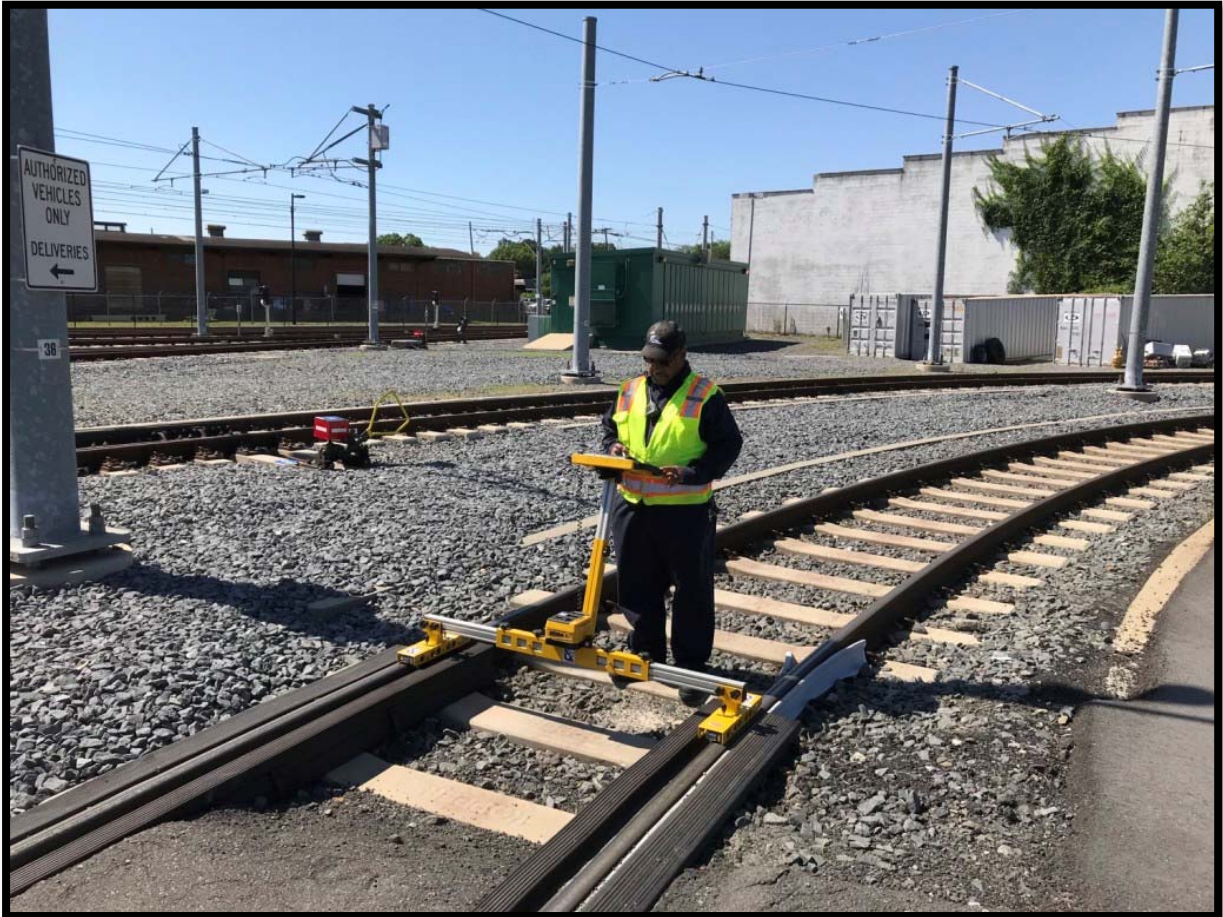
Chicago Grip with Latch 0.37" cable



KLEIN Tools – other products available on request

HDD-E – Camerov

Measures Height, Stagger, Cant and Track Gauge.



Visiocat Las'Cat – Camerov

Catenary and Electric Traction installation inspection equipment.

View all inaccessible points by video.



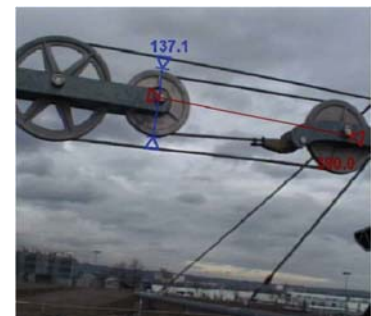
Measures the height of the contact wire (accuracy ± 10 mm) and the thickness of the contact wire (accuracy ± 10 mm).

Measures pulleys, counterweights, catenary brackets and arms, side faces of posts, tubing, height differences in switches, height and length of the line bracket, supports, isolation distance under bridges and tunnels, catenary gauge in section, distance of spacing between post face to face.

Inspection Reports contain editing wizard and multimedia on editing



Support number :	Mileage : 0.000	PICTURE : 8
Wire : Single	Measure point : Support	
Cant : 24 mm		
Height : 5878 mm		
Stagger : -107 mm		
Lateral pointing : 3686 mm		



Rail Bender

Horizontal Rail Bender

Lever Arm Rail Bender– FP-112

The Lever Arm Rail Bender is easy to use and is suitable for bending rail from 31kg/m to 68kg/m. The lever action results in less cylinder effort and reduced weight. The cylinder comes in either aluminium or steel construction.

The unit can be powered by either a hand pump or a high-pressure power pack. The cylinder is not connected to the Bender, so the unit is easy to position on track with lighter components.

Please note that Powerpacks and Hand Pumps are sold separately

Specifications

Model	FP-112-EM	FP-112-CS
Cylinder Force (kN)	50	50
Pressure (psi)	10,000	10,000
Cylinder Construction	Steel	Aluminium

Dimensions

Component	Weight (kg)	Length (mm)	Width (mm)	Height (mm)
Arm	71.5	930	520	215

Cylinder Assembly:

Aluminium	16	390	135	200
Steel	28	390	125	200
Hand Pump	14	600	180	190



Above: Complete Unit with Hand Pump Option
(Sold Separately)



High Pressure Pump Options

Description	Part No.
10,000 psi Hand Pump	1120367
10,000 psi Powerpack	FP-180-AM



10,000 psi Battery Pump	1121014-D
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Vertical Rail Joint Straightener

The Permaquip Rail Joint Straightener is a great solution to rectify dipped track joints. When rail ends are not aligned, drilling and plating the track can be very difficult, but this product can solve that problem. Made to a high engineering specification, the Rail Joint Straightener corrects this alignment safely and accurately, making the other activities easier and delivering a perfect finish to the track joint. The right specification achieved every time



Part No. **1120805**



Features

- Portable unit for straightening dips
- Recovers up to 25mm dips
- Fish plated and welded joints
- UP to 40 joints per hour

Specifications

Engine	Petrol
Noise da (a)	86-90
Weight (kg)	317
Length	2025mm
Width	1750mm
Height	1310mm

Operating Pressure

The Maximum Operating Pressure of the Vertical Rail Straightener Joint is

- Pressure to lift a dipped joint (ram extended) - 3,000 psi (20.7 MPa)
- Pressure to close (ram retracted) - 500 psi (3.4 MPa)

Operating Performance

The Performance limits of the Rail Straightener joint are

- Ram force - 50.15 tonnes
- Maximum force at rail joint - 103 tonnes



Rail Saw



Husqvarna K1270 Rail Saw



K1270 Rail Saws, complete with Rail Arm available in two sizes:

14" – 1330013

16" – 1330014

PFERD rail cut-off wheels:

14" – GRIN044

16" – GRIN029

Other wheels available on request

The Husqvarna K 1270 Rail was developed for maintenance work on railways, tram tracks and metro systems. An impressive output of 5.8 kW (7.8 hp) makes it one of the market's most powerful rail cutters. When combined with the RA10 attachment it is easily the market's lightest gas-powered rail cutting unit. The attachment mounts quickly and firmly to the rail. Double attachment mountings enable cutting from both sides. The K 1270 Rail has features like the new generation Active Air Filtration™, one of the market's most efficient centrifugal air cleaning systems that delivers up to one year's operation without a filter change, as well as a highly efficient vibration dampening system.

Specifications

Power Output	5,8kW
Cylinder Displacement	119cm ³
Blade Diameter	350/400mm
Max Cutting Depth	125/145mm
Weight (excl. cutting equipment)	20,5/21,1kg
Vibrations Front Handle	6.1/5.8m/s ²
Vibrations Rear Handle	5.8/5.4m/s ²
Sound Level	104 dB (A)
Guaranteed Sound Power Level, LWA	117 dB (A)



FAST, STABLE MOUNTING

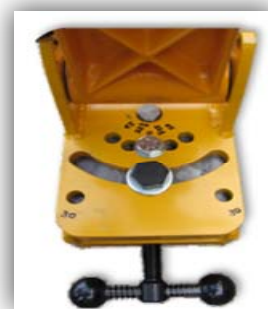


DOUBLE ATTACHMENT MOUNTINGS



SAW COMES COMPLETE WITH RA10 SAW ARM, Part No. 1330015

SAW ARM TO SUIT RAIL UP TO 135mm RA10S Part No. 1330015-135mm



1330381 A120 SWIVEL CLAMP TO CUT RAIL ON AN ANGLE – FITS STD RA10 ARM

Rapid Rail Cutting Saw

The Patented Rapid Rail Saw is available in both Hydraulic and Pneumatic versions and comes complete with rail shoes to suit all commonly used rails in Australia including 22-68kg/m.

The saw must be coupled with a hydraulic power pack capable of delivering 30l/min at a constant 140bar minimum (preferably 160bar) pressure.

Dimensions 650 x 400 x 600mm H

Weight 35kg

Rail cutting time is approximately 45 seconds with approximately 40 cuts on carbon rail and 20 cuts on HH rail.

Rail can be cut dry or with water as a lubricant / spark suppressor.



Rail Scrubbing Machine



Part No. **1121013**

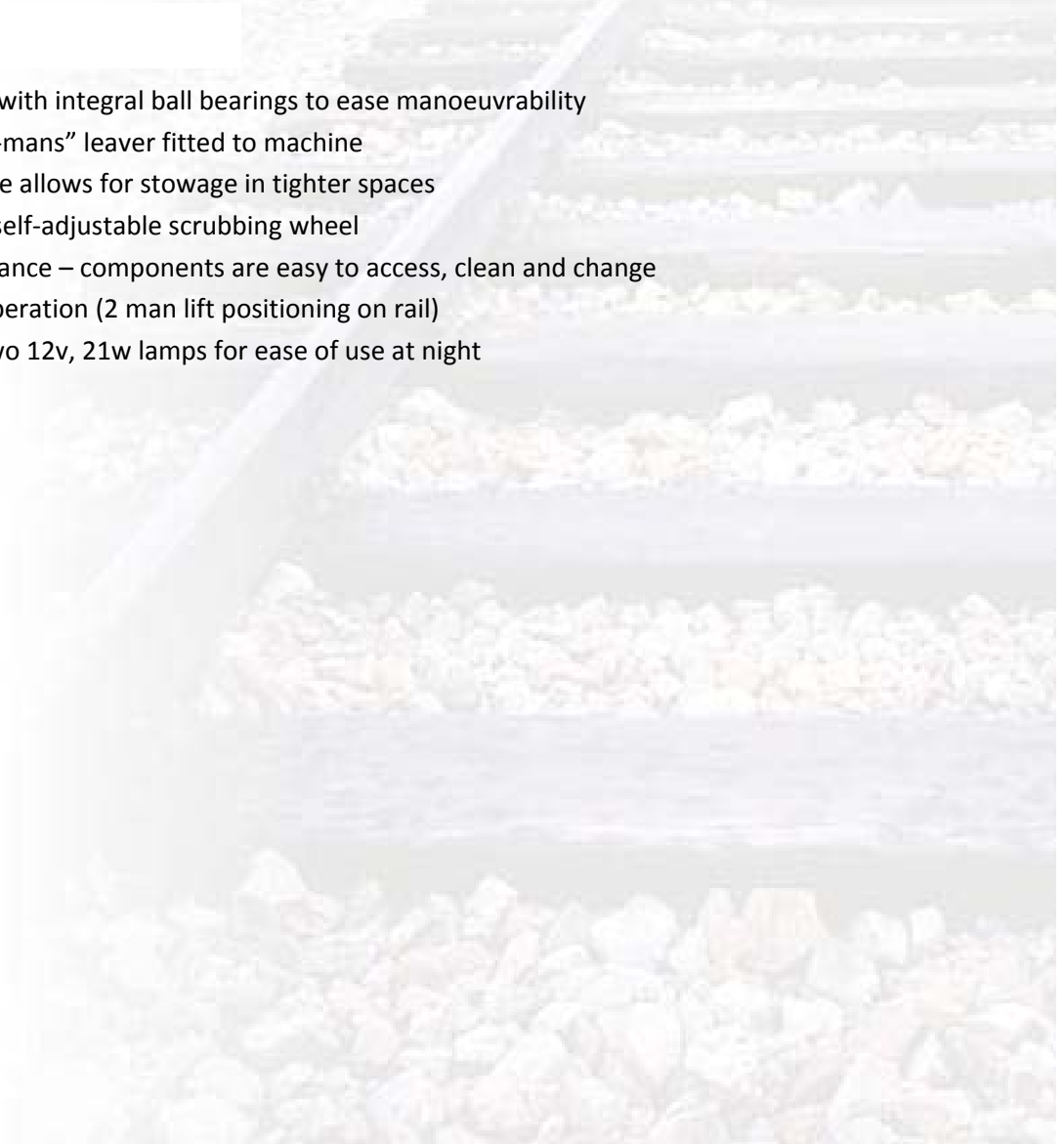
The RS200H is light-weight petrol driven scrubbing machine constructed from a steel sectioned frame work. It has a two-position scrubbing wheel which is easily set using the cam lever that is mounted on the machines lower handle. The machine is insulated from the track using two nylon rollers which are profiled to suit the track.

Specification

Weight	47kg (approx.)
Dimensions (mm)	985 x 336 x 1140
Engine	Honda 4 Stroke petrol 5.5 hp

Features

- Nylon rollers with integral ball bearings to ease manoeuvrability
- Safety “Dead-mans” leaver fitted to machine
- Folding handle allows for stowage in tighter spaces
- Quick acting self-adjustable scrubbing wheel
- Easy maintenance – components are easy to access, clean and change
- Single user operation (2 man lift positioning on rail)
- Fitted with two 12v, 21w lamps for ease of use at night



Screw Spike Drivers

Pantographic Screw Spike Driver

Features

- 7HP Diesel or 13hp Petrol
- Magnetic screw pick-up
- Reversible screw feed assembly
- Large screw carrying capacity
- Drill spindle always vertical
- Reduced operator effort due to counter-balance of frame

Specifications

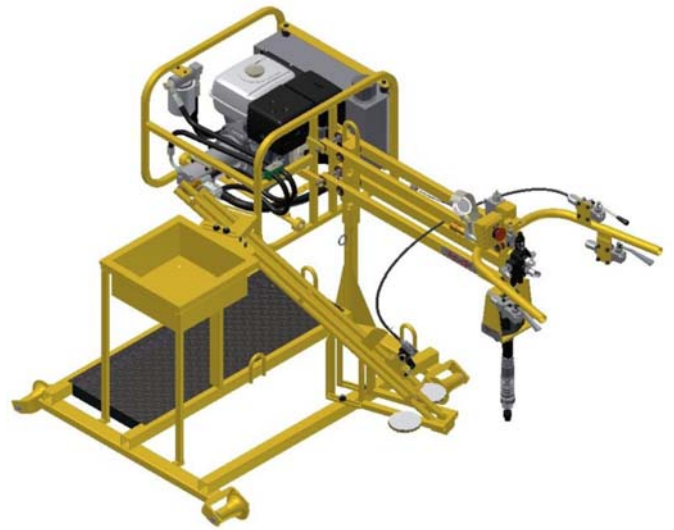
- Maximum torque available is approx. 525Nm at 2,500psi
- Maximum rotational speed 120 rpm
- Cycle time from pick up to complete insertion of screw is approx. 6 seconds

Approximate dimensions:

- Length 2137mm
- Width 800mm (over handles)
- Height 800 mm (over head)

Approximate total weight:

- Power pack, screwing head, arms, power pack support, trolley, screw feeder & bin total approx. 175kg



FP-163-AC (Honda Petrol)

Rail screws by Cold Forge Products and AJAX Fasteners were developed for rail track with timber sleepers.

The following benefits are all realized when **Cold Forge Products** or **AJAX Fasteners** rail screws are used:

- Fewer maintenance personnel
- Safer insertion: No manual standing of screws reducing repetitive bending and hammering of spikes
- Less time to complete the job
- Longer time span required between maintenance

For more information on COLD FORGE PRODUCTS visit www.coldforge.com.au or for DOGSCREW™ by AJAX Fasteners visit www.ajaxfast.com.au



Screw Spike Driver Track Pack Head

Specifications

Engine	MEC Trackpack
Weight (kg)	40
Dimensions (mm)	800 x 690 x 970
Pressure (max)	172.5bar / 2500 psi
Pump Flow	30L/min
Hydraulic Oil	ISO68
Hydraulic hose Connection Size	½"
Pressure Relief	220-2500psi
Rotation Speed	23rpm
Torque (max)	350Nm



FP-163-1 (Trackpack Head)



Sleeper Replacer – Knox Kershaw Inc.

KTR 400



Front View



Sleeper Clamp

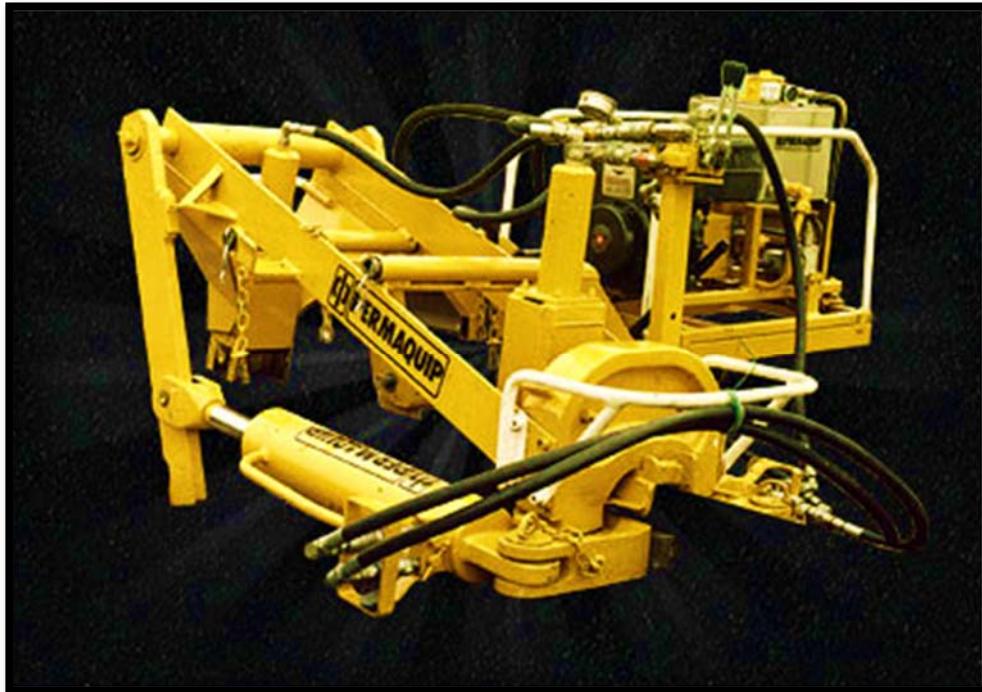


Single Stroke Extractor



Sleeper Squarer

Rail Portable Sleeper Squarer and Sleeper Positioner



The Permaquip™ portable Sleeper Squarer is used to square all types of mono block, twin block, concrete or wooden Sleepers to the track. The unit contains an integral power pack for simple operation and is an assembly of parts, designed to enable the ease of transportation and operation.

The Permaquip™ portable **Sleeper Positioner** consists of two Sleeper Squarer units, working from one power pack, thereby enabling both the squaring and positioning of sleepers.

Model Part Number	1121086
Engine	Petrol (Diesel opt avail)
Engine Size (Hp)	Honda GX160 Recoil Start
Engine Size (Hp) – Optional to speed up sleeper squaring process	Honda GX270 Recoil Start
Operating Performance (GX160)	50 Sleepers Per Hr Max
Weight (kg)	390 (Squarer) – 710 (Positioner)
Length (mm)	1500
Width (mm)	2000
Height (mm)	1050

Spike Puller

Spike Puller–FP-108

Pulls both lock and dog spikes from all grades of wooden sleepers. With 8 tonnes of pulling power, even well rusted dog spikes in swollen Australian Hardwood are no match for the Melville Spike Puller. There are now several jaw housings available as pictured below including the original and still popular swivel foot. Low cycle time is achieved with a regenerative return circuit (cycle times as low as 3 seconds). All electric start machines have a night light option (see accessories).



Specifications

Model	108-AU	108-BR	108-EE	108-TPF
Engine Type	Petrol	Petrol	Diesel	Trackpack Head Only
Engine Starting	Recoil	Electric	Electric	Trackpack Head only
Weight (kg)	130	140	145	41
Length (mm)	2100	2100	2100	500
Width (mm)	600	600	600	400
Height (mm)	900	900	900	1100

Trackpack Head – FP-108-TPF

Features

- Dual handles controls, keeps operator's feet well clear of jaws
- Pulls both lock and dog spikes, both jaw types supplied with machine
- 94 kN (9.4 tonne) pulling force, much higher than our competitors
- Spare parts readily available from our workshop
- Machine weight counterbalanced for minimum operator effort
- All trolley gauges available including dual gauge trolleys
- Emergency stop
- Brake lever

Spike Puller Options

Jaw Housing options



Part No. **1080500**

Jaw Housing Assembly
Swivel Foot



Part No. **1080557**

Spike Puller Jaw Housing
Assembly Self Levelling

Standard on all current spike
puller

Jaw options



Part No. **1080507**

Lock Spike Jaws



Part No. **1080506**

Dog Spike Jaws

Swivel Foot options



Part No. **1080522**

SWIVEL FOOT-31 KG 1435-1600
Dual Gauge Pandrol Angled
Sides



Part No. **1080523**

Swivel Foot-Pandrol (Angled
Sides)

Extension Handles

Part No. **1081280**

Spike Puller extension
handle conversion kit



Dual trigger controls
and dead-man now
standard on all Spike
Pullers.



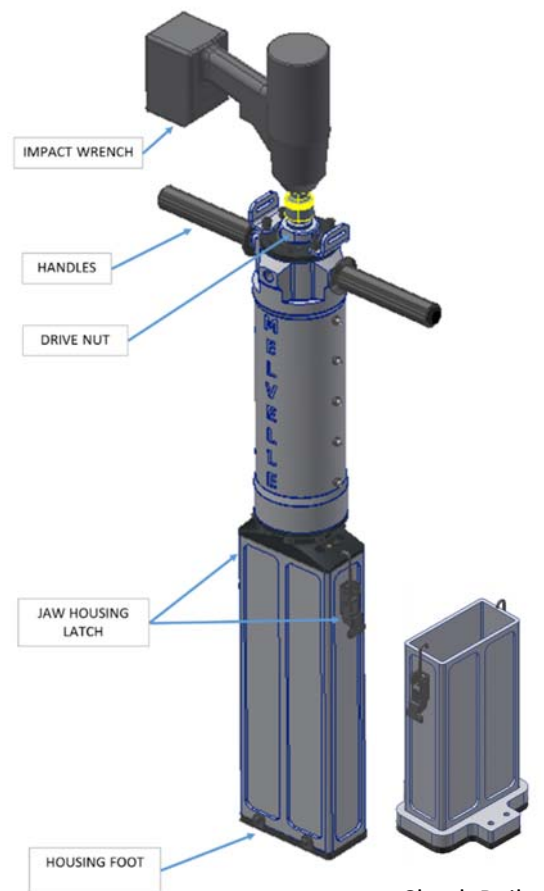
Spike Puller – FP-108-HH Hand Held

This innovative design eliminates the need for an operator to apply high force to a pigs foot bar while standing on unsteady ballast. This machine is ideally suited to small output gangs on shutdowns and spot work.

Features

- **Part No. FP-108-HH**
- Lightweight
- Stroke – 170mm
- Pulling Force – 9T
- Operate with any ½" square drive high torque impact wrench

Pulls spikes between Check Rail



Check Rail

Jaw Housing

Tampers

Tamper – Air



Part No. 1120986

Features

- Solid Body concept
- Noise-reduction
- HAPS™ Hand and Arm Protection System (PE series)
- SOFSTART™ two-step trigger
- Rotating air inlet swivel
- Integrated lubricator
- Air cushioned piston

Specification

Model		TEX270
Breaker Type		Vibro-Reduced
Breaker Version		Silenced
Shank Size (mm)		Hex 32 x 160
Shank Size (inch)		Hex 1 ¼ x 6
Weight		27 kg
Length		670 mm
Air Consumption		30 l/s
Impact Rate		1320 blow/min
Vibration Level 3 Axes (ISO 28927-10)*		4.2 m/s ²
Sound Power Level	Guaranteed, (2000/14/EC)*	106 dB Lw
Sound Pressure Level (ISO 11203)** Lp, r=1m		93 dB (A)

Tamper – Petrol Cobra™ PRO i



Cobra Pro i

Part No. **FP-112-18**

Features

- Electronic Fuel Injection, Easy start
- Increased power to weight ratio
- Hand Arm Protection System
- High capacity air filter, easy access, faster servicing
- Easy oil check



Easy Start



High Capacity Air Filter

Tamping Tyne - 32mm Hex
Shanks x 160mm shank x
400mm

Part No. **1120377-C**

Tamping Tyne - 32mm Hex
Shanks x 160mm shank x
580mm

Part No. **1120377-CXL**

Tamping Tools – MK Tool

MK Tool manufactures tamping tools and wear products for the following tamping machines:

- Plasser & Theurer
- Matisa
- Harsco
- Jackson

Tamping tools are available in Centre, Left or Right as well as a variety of lengths.

Forged from one piece of steel, high quality Tungsten Carbide tiles are fitted to both sides of the tool.

MKTool



Front



Back



Tensors (Rail Pullers)

Hydraulic Rail Puller – 70T



Energpac Lightweight Tensor

Part No. **1120631** (screw fittings)

Part No. **1120631-SC** (quick snap fittings)



Energpac Powerpack

Part No. **FP-180-EP** (screw fittings)

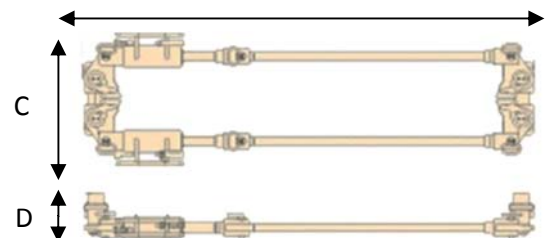
Part No. **FP-180-EPSE** (quick snap fittings)

Features

- Used in obstruction less or over the rail applications for stressing rail
- Provides 70 tons of pulling force, 35 tons of push force or holds the rail in neutral length during the welding process
- Ample clearance for all weld equipment, hydraulic weld shears and rail grinders
- Operated by any 8860 psi (611 bar) power source
- Compact, lightweight pin/clevis design for easy transport and setup in remote applications
- Swing Arm clamps the bracket and eliminates the need for separate jaws and wedges

Specifications

Model Number	RP70
Capacity Pull	70t
Capacity Push	35t
Stroke	203mm
A	2789mm
B	2972mm
C	899mm
D	325mm
Weight	251.5kg

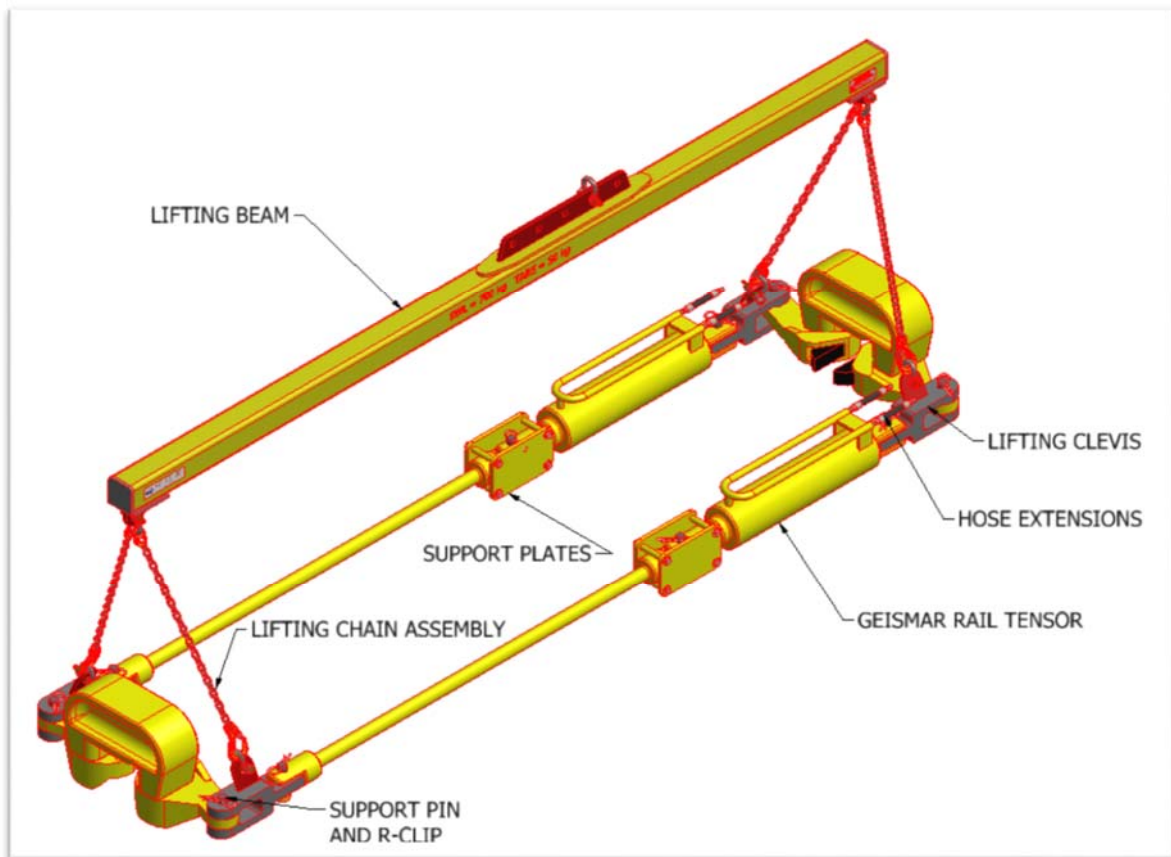


A (Closed Length)

B (Extended Length)

Tensor Lifting Solution

This Lifting Beam is designed to allow the Rail Tensor to be moved with ease in one piece to the next weld, saving valuable time during maintenance shut-downs.



Part No. FP-112-GLS

Permaquip Tensor – HSM70

The Permaquip™ HSM70 Stressor is designed to be used in pairs to adjust the gap between rail ends for rail stressing, rail welding, repairing rail failures and for installing insulated joints.

The non-slip type clamps enable the gap to be maintained accurately in order to facilitate a stress-free weld.



Part No. **1121413**

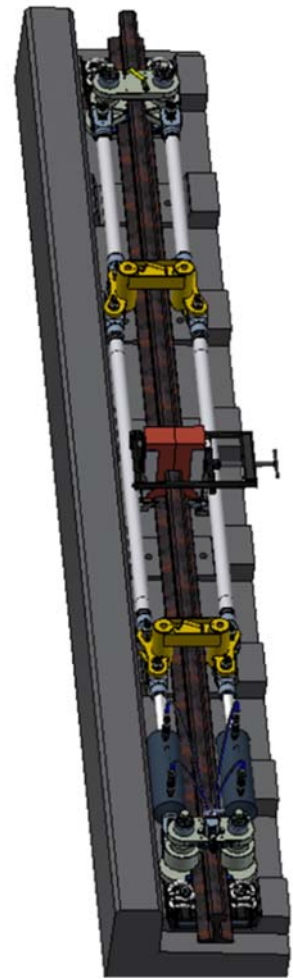
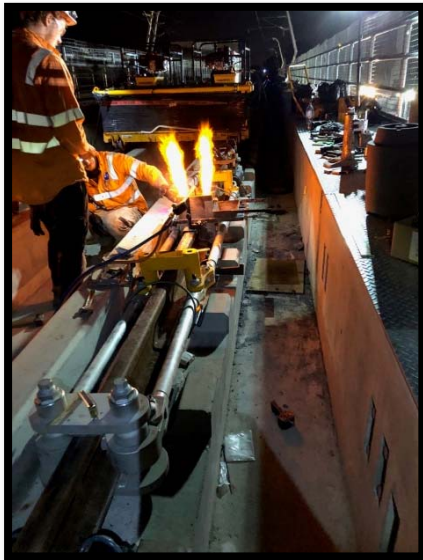
Specifications

Stroke	380mm
Max tensing force	78T
Max pushing force	32T
Max Operating pressure	595 Bar (8,500 PSI)
Hydraulic Oil ¹	ISO46
Total weight (with long tie bars)	258 kg

Plinth Track Tensor – FP-195

Melville Equipment developed the FP-195-AA 70T tensor to tense rail on plinth track where a curb is in close proximity to the rail. This curb prevents standard tensing and shearing equipment being used.

The innovative FP-195-AA tensor not only solves this special problem, but is light weight, easy to set up and remove, and always grips the rail first time, unlike conventional tensors which can be temperamental in engaging the rail.



PATENTED

Specifications

Stroke	250mm
Max tensing force	70T
Max pushing force	0T
Max Operating pressure	700 Bar (10,000 PSI)
Cylinder in-built full bore (extend) relief setting	250 Bar (3,600 PSI)
Hydraulic Oil ²	ISO68
Threaded connections	1 ¾" x 12 TPI UNF (new machines use M50 x 2 thread)
Connecting pins	Diameter 40mm
Total weight	350 kg
Assembled length (standard arrangement)	4500 mm
Compatible weld shears	Melville Equipment Corp's FP-168 weld shear
Compatible weld moulds	Railtech's PLK JW standard gap & WG68 wide gap
Design life	4000 fully stressed load cycles
Power pack valving:	Advance / Hold / Retract
Power pack reliefs	Single 700 Bar relief required. (Cylinders have in-built full bore relief)
No. of whip hoses from Power pack	2
Flat face quick connect fitting size	3/8 body
Power pack reservoir size:	Minimum 1 litre of useable oil for every 2 cylinders used
Compatible rail sizes	53 kg/m 60kg/m 68kg/m

Hydraulic Rail Pullers – 120T

Features

- Versatile design allows for quick and easy setup for stressing rail
- Compact, alloy steel design requires no disassembly for transport or storage
- Swing arm clamps the bracket and eliminates the need for separate jaws and wedges
- Center beam swings up on RP120BP
- Operator controls are positioned safely away from work area

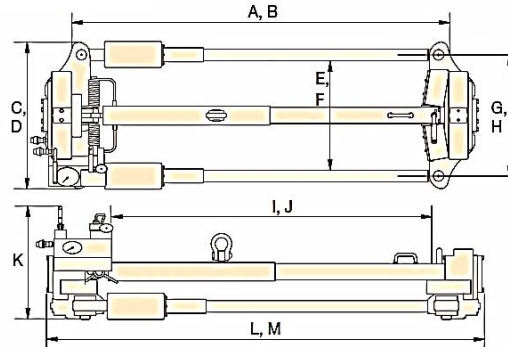


Part No. **FP-112-44**

RP120BP

Option: 2,000psi Powerpack
available upon request

RP120BP



A = Open
B = Clamped
C = Closed
D = Open
E = Clamped
F = Open
G = Clamped
H = Open
I = Clamped maximum
J = Clamped minimum
K = Height
L = Clamp maximum
M = Open minimum

Specifications

Model Number	Cap. (ton)	Stroke (in)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)	J (in)	K (in)	L (in)	M (in)	Weight (kg)
RP120BP	120	6.5	74.5	83.5	33	35	24	26	26.5	28.5	71	64.6	23	98	89	526



Mechanical Rail Puller – 550 Series

Features

- Easily operated by one person
- Square socket design uses standard railroad lining bar
- Alloy steel heat treated U bar is designed to fit rail web and be obstruction less when the lever socket is downward to allow for active service



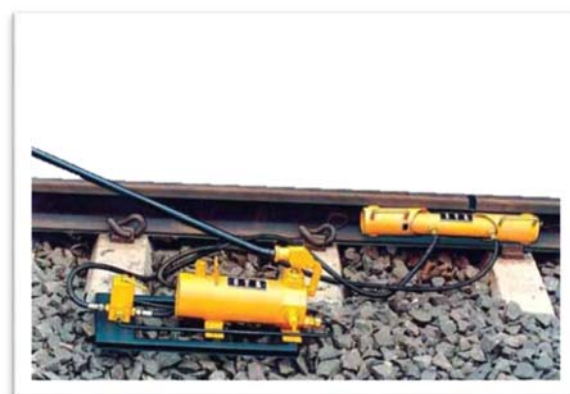
Specifications

Model Number	Capacity (ton)	Description	Travel (in)	Stud Diameter	Optional Stud Kit No.	Weight (kg)	Handle Effort/Ton (kg)
02326	30	Mechanical Rail Puller, 1-inch, 550A	4.5-8	26 mm	18602	39	3

Rail Creep Adjuster

Features

- Adjusts gaps in the jointed track without damaging the rail ends
- Maximum Operating Pushing Force - 6.76 tonnes
- Maximum Operating Pulling Force – 7.04 tonnes
- Maximum Ram Stroke – 6" (152.4 mm)



Part No. **1120980**

Specification

	RAM and Rail Clap Assembly	Hand Pump, Frame and Control Valve Assembly	Hydraulic Hoses
Width (mm)	265	280	-
Length (mm)	560 (closed)	675	2000
Height (mm)	170	180	-
Mass (kg)	23	13	1
Centre of Mass	Central	Centrally about the pump lifting handle	Central

Track Jacks

Enerpac A-series – Mechanical Jacks



Specifications

Part Number	1120841	1120842	1120843
Model Number	02000	02025	02075
Series	A5	A8	A17
Cap. (ton)	15	15	15
Stroke	134 mm	197 mm	330 mm
Desc.	A5	A8	A17
Minimum Height Toe	51 mm	51 mm	51 mm
Minimum Height Cap	297 mm	397 mm	574 mm
Base Area	63.5 mm x 95.2mm	63.5 mm x 95.2mm	63.5 mm x 95.2mm
Max. Handle Effort/ton (kg)	15	15	15
Weight (kg)	13.6	16.8	22.7

Features

- Three lightweight, easy to carry models fit all track applications
- Solid cast base and large grooved toe for stable jacking
- Heat-treated, forged components for extra strength and longer life
- Rust-proof tension spring maintains full pawl engagement
- Operates with standard 1 1/2" Lever Bar, available as an accessory, 1.65 m long with square drive



Handle Part No. **1120634**

Enerpac Hydraulic Track Jacks

Features

- Exclusive overload protection from load shifts
- Solid cast base provides more surface contact area, and a large grooved toe provides stable jacking
- Inverted hard chrome piston design keeps water and dirt out, extending the life of the jack
- Low handle effort allows one-man operation for lifting heavy loads
- Anti-kickback design reduces risk of injury to operator if load is inadvertently released
- All models can lift from toe or cap, ideal for spreading and jacking applications



TJ109LS

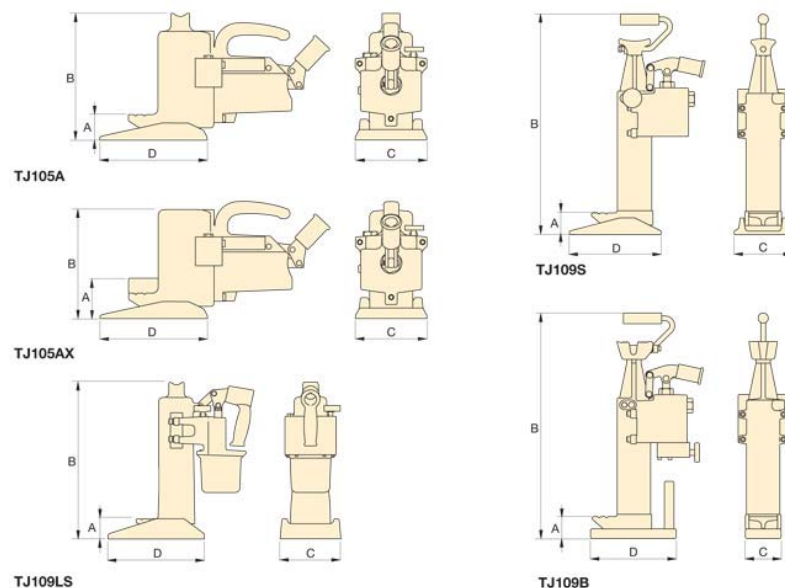
TJ109S

TJ109LS Part No. **1120173**

Specifications

TJ109S Part No. **1120301**

Model No.	Part No.	Capacity	Stroke	Minimum Height		Base Area		Maximum Handle Effort	Weight
				Toe A (in)	Cap B	C	D		
TJ105A	1120840	10 t	127 mm	51 mm	282 mm	152 mm	229 mm	41 kg	17 kg
TJ105LS	1121293	10 t	127 mm	84 mm	231 mm	152 mm	229 mm	41kg	18 kg
TJ109LS	1120173	10 t	127 mm	51 mm	394 mm	152 mm	229 mm	41 kg	19 kg
TJ109S	1120301	10 t	127 mm	57 mm	516 mm	152 mm	229 mm	41 kg	26 kg
TJ109B		10 t	127 mm	57 mm	516 mm	95 mm	229 mm	41 kg	24 kg



Enerpac Battery Operated Powerpack

The 700 bar (10,000psi) ZC Series pumps combine the performance of an electric pump with the convenience, portability and stumble-free safety of a battery pump that is ideal for applications where emissions and noise are concerns.

The new generation cordless pumps – featuring a rechargeable 82V lithium ion battery with long run times, even under extreme site conditions – work well in remote locations where there is no access to power, as well as indoor uses where trip hazards, ergonomics or size are a concern.



PERFORMANCE

- 82V 4Ah battery provides superior runtime and power
- 1.4hp brushless motor minimizes downtime and maintenance costs

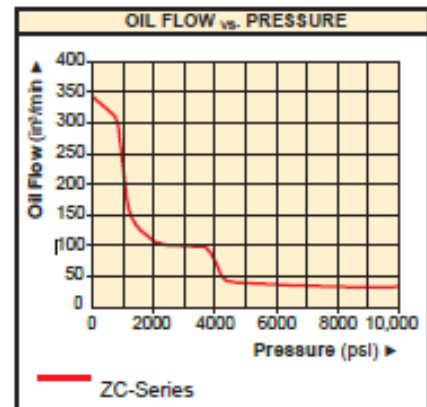
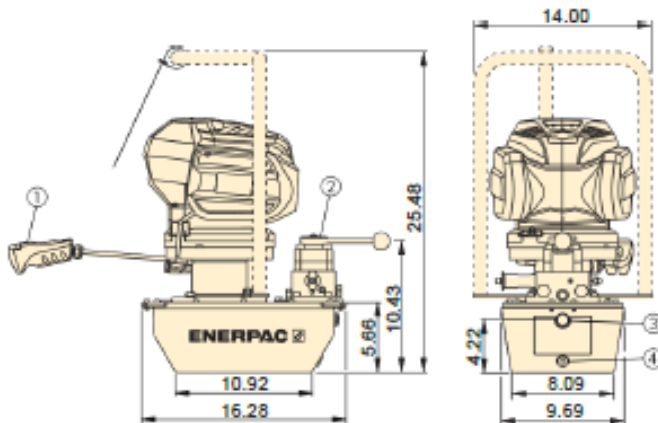
Number of Cycles per Battery Charge

50-ton cylinder	90 cycles
100-ton cylinder	50 cycles



CONVENIENCE

- 10-foot corded pendant
- No need for generators or extension cords
- Time and cost-effective solution



Used with	Useable Oil Capacity (gal)	Manual Valve Model Number	Valve Function	Model Number*	Output Flow Rate (in³/min)			Charger Voltage	Weight with Oil (lbs)
					no load	4000 psi	10,000 psi		
Single-Acting Cylinder	1.75	VM33	Advance/Neutral/Retract	ZC3308JB	310	80	32	115	65.5
				ZC3308JE				230	
Double-Acting Cylinder	1.75	VM43	Advance/Neutral/Retract	ZC3408JB	310	80	32	115	65.5
				ZC3408JE				230	
Power Seater Post-Tensioning Tools	1.75	VM43LPS	Advance/Hold/Retract	ZC3908JB	310	80	32	115	73.4
				ZC3908JE				230	

* All models meet CE safety requirements and all TUV requirements. Pump includes one charger and battery.

** Weight including oil and battery. Battery weight = 5.7 lbs.

Zwicky 20t Toe Jack – (Type C) Model No. 1527

The F1527 has a capacity of 20 tonnes on the head and comes fitted with an overload safety valve and is tested to 25% over its rated capacity. The Jack is designed for use on switches and crossings and is obstructionless for rails of 42kg/m and over.

Specifications

Safe Working Load	20t on head
	15t on toe

Closed Height	343 mm head
	191 mm toe

Toe to Head	152 mm
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Lifting Stroke	110 mm
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Weight of Jack	36 KG
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Part No.	1120886
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Part No. **1120886**

Zwicky 10t Pan Jack – (Type D) Model No. F1054



Part No. **1120930**

The F1054 Pan Jack is placed under the rail without removal of the ballast. Despite its impressively low height of just 95 mm, the F1054 is capable of 101 mm of lift thanks to its telescopic hydraulic ram.

Specifications

Safe Working Load	10t
--------------------------	-----

Closed Height	95 mm
----------------------	-------

Toe to Head	196 mm
--------------------	--------

Lifting Stroke	101 mm
-----------------------	--------

Weight of Jack	16.5 KG
-----------------------	---------

Part No.	1120930
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Other Enerpac Solutions

Cordless Hydraulic Pump

*Performance of a powered pump
Portability of a Hand Pump*

Specifications

Reservoir Capacity	1-2 litres
Flow at Rates Pressure	0.25 l/min.
Maximum Operating Pressure	700 bar



Double Acting Pump Part No. **1121014-D**

1.8m Hose Part No. **1121031** / 3.0m Hose Part No. **1121032**

Remote Lifting Jacks Kit (package includes 2x Track Jacks, 2x 3m and 1x 1.8m hoses, Cordless Pump & 2x Port Manifold) Part No. **1121050**

Extra Battery for Pump Part No. **1121033**

Hydraulic Vertical Lifting Wedge

Specifications

LW Series	
Maximum Lifting Force	16 ton
Lifting Stroke	21 mm
Tip Clearance / Maximum Spread	10mm / 81,5mm
Maximum Operating Pressure	700 bar



Part No. **1121014**

Features

- G2535L Gauge – Minimises risk of overloading and ensures long dependable service being cordless.
- Battery Packs contain no cadmium, so they are environmentally friendly.
- 28 – Volt Battery - the XC – 28V with Lithium-Ion technology for a maximum battery performance (Milwaukee branded battery).
- Battery Charger – 1 hour quick charge.



Part No. **1121018**

Hydraulic Wedge and Spread Cylinders



Part No. **1121016**

The Wr5 has a capacity of 1t, for use in confined work areas.

Specifications

WR-5 Series

Capacity	0,75 – 1,50 ton
Tip Clearance	12,8 – 35 mm
Maximum Spread	94 – 292 mm
Maximum Operating Pressure	700 bar
Weight	2.3kg

Lifting Underground Rail Cars Remotely

Convenient Kit Includes Jack, Hand Pump, and 2x Hoses to lift heavy loads from a safe distance. Part No. **1121017**

Replaces mechanical and self-contained hydraulic jacks.

Remote Lifting Jacks Kit with battery operated pump (package includes 2x Track Jacks, 2x 3m and 1x 1.8m hoses, Cordless Pump & 2x Port Manifold) Part No. **1121050**



Underground Rail Alignment



Part No. **1121015**

Rail Alignment tool easily and safely realigns underground rail.

Helps to maintain gauge and rail alignment to decrease potential derailments and thereby increase productivity.

Nut Splitter



Part No. **1121052**

Package includes hand pump, nut splitter, gauge, gauge adaptor, couplers and hose (optional battery pump).

Trackpack

Trackpack-FP-143

The Trackpack is a complete hydraulic power unit with boom arm, designed to allow the use of multiple hydraulic work heads without the need for numerous power supplies. A quick change boom allows an easy change over from one head to another, with adjustable counterbalance positioning so the weight on the operator handles never exceeds 3-5kg. Power source is from either Honda Petrol, Yanmar or Hatz Diesel engines. All electric start machines have a night light option. All work heads come with Emergency Stops and hydraulic hose covers as standard.



Above: Honda Trackpack 143-HE with Electric Start Option

	143-YE-T4	143-YE	143-YE-UK	143-HE
Engine - HP	Hatz – 7HP	Yanmar – 7HP	Yanmar – 7HP	Honda – 13HP
Dimensions (mm)	2050 x 600 x 520	2050 x 600 x 520	2050 x 600 x 520	2050 x 600 x 520
Weight (wet)	122	115kg	115kg	115kg
Pressure (max)	205bar / 2980psi	182.5bar / 2650psi	182.5bar / 2650psi	182.5bar / 2650psi
Pump Flow	28L/min	28L/min	28L/min	30L/min
Fuel Type	Diesel	Diesel	Diesel	Petrol
Battery	Dual 12V Lithium	12V	12V	12V
Hydraulic Oil	ISO68	ISO68	ISO68	ISO68
Hydraulic Hose Connection Size	½"	½"	½"	½"
Pressure Settings:				
Pressure to Cylinder (Sequence Valve in Manifold)	Dependant on work-head	27.6bar / 400psi	27.6bar / 400psi	27.6bar / 400psi
Pressure to Cylinder (Pressure Reducing Valve in Manifold)	Dependant on work-head	34.5bar / 500psi	34.5bar / 500psi	34.5bar / 500psi
System Pressure Relief	Dependant on work-head	193bar / 2800psi	193bar / 2800psi	193bar / 2800psi
Exhaust System	Purifier and Muffler		Purifier and Muffler	

Features

- Safety steel roll bar
- Patented oil cooler
- Choice of Honda petrol, Yanmar or Hatz Diesel engine
- Hydraulic Brake lift supply for braked trolley
- Quick change boom mount, change hydraulic snap connectors on hoses
- Emergency Stops and hydraulic hose covers
- Diesel Engine purifier available

Braking Retrofit Kits Available for Most Older Models

Trackpack Removable Hydraulic Heads

The Trackpack system can be coupled to any of the hydraulic work heads displayed on this page. Changing from one work head to another requires only uncoupling the electrical and hydraulic connectors, sliding the quick change boom end from the Trackpack and adjusting the boom pivot point.

Trackpack Heads-

Model	108-TP	143-BZ	155-AO	156-EDS	163-1	164-TPE	186-TP	186-EYE	190-TP
Flow (L/min)	32.5	30	25	25	30	25	30	30	30
Pressure (psi) max	2,650	2,650	2,000	2,800	2,500	1,800	1,500	1,500	2,700
Weight (kg) wet	41	45	46	82	40	90	120	108	106
Length (mm)	500	450	1,100	1,500	800	800	1,600	1,600	1,100
Width (mm)	400	400	630	720	690	740	740	740	740
Height (mm)	1,000	1,000	141	910	970	1,060	1,060	1,000	1,000

Work Head Options

Spike Puller

- Part No. FP-108-TP Sliding Leg Housing
- Part No. FP-108-TPF Swivel Foot
- Dual Trigger control
- Fast cycle time
- 80kN pulling force
- Lock and dog spikes
- Emergency stop



Spike Driver

- Part No. FP-143-BZ
- Anti-vibration handles
- Extended foot
- On/off valve for increased control through feathering
- Emergency stop

Screw Head

- **Part No. FP-163-1**
- Fully adjustable torque
- Rotation speed up to 120rpm
- Ajax / coach screw and other uni drives available
- Dual trigger operation for forward & reverse
- Emergency stop



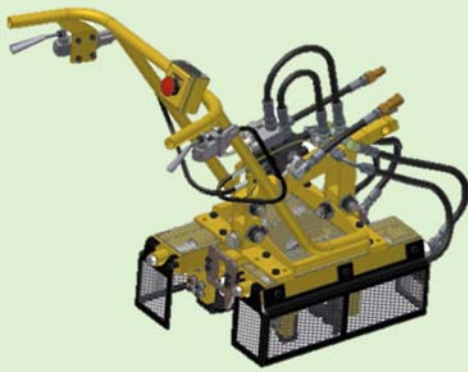
Fastclip/Steelclip Unclipper/Clipper

- **Part No. FP-164-TPE**
- Clips and un-clips
- Fast clips and steel sleeper clips
- 3 second cycle time
- Replaceable wear pads
- Dual trigger operation for safety
- Emergency stop

Wood Borer

- **Part No. FP-155-AO**
- Spring return handle
- High speed spindle 1200rpm
- Easy change guides and bits
- Adjustable drill depth stop
- Emergency stop



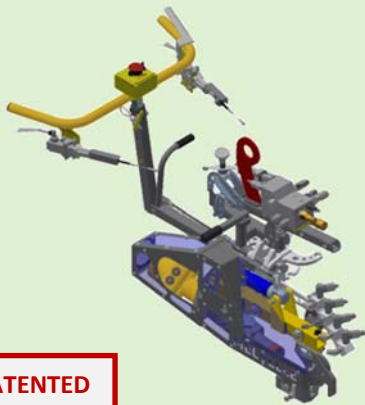
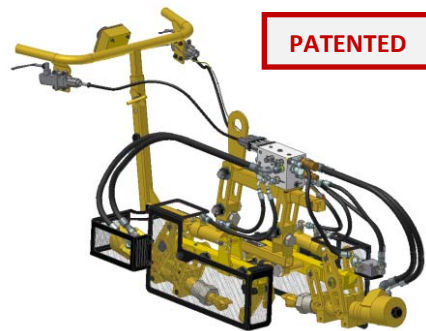


E-Clipper (clip up only)

- **Part No. FP-156-EDS**
- Dual trigger operation for safety
- Hardened chrome guide rods
- Clips E, PR and vandal proof clips
- Wood and concrete sleepers
- Emergency stop

E-Clip Remover

- **Part No. FP-186-TP**
- Safely removes new and frozen E-Clips in 3-30 second cycles
- Leaves E-Clips in parked position ready for re-insertion
- Dual trigger operation for safety
- Emergency stop
- Ergonomic adjustable height operating handle



E-Clip Remover (down the eye of shoulder)

- **Part No. FP-186-EYE-C**
- Dual trigger operation for safety
- Removes broken E-Clips from the eye of the shoulder
- Emergency stop
- Ergonomic adjustable height operating handle

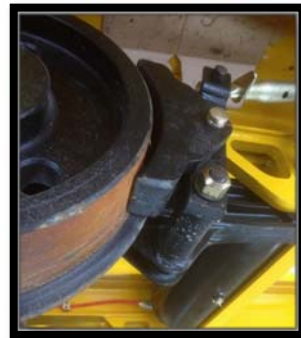
E-Clip (inserts and removes)

- **Part No. FP-190-TP**
- Clips and De-Clips E, PR and vandal proof clips with 4T of insertion and extraction force
- Clips up where sleepers have dropped
- Dual trigger operation for safety
- Emergency stop and work light
- Ergonomic adjustable height operating handle



Braking Retrofit Kits Available for all Hydraulic Work Heads

Trailers



Trolleys and accessories

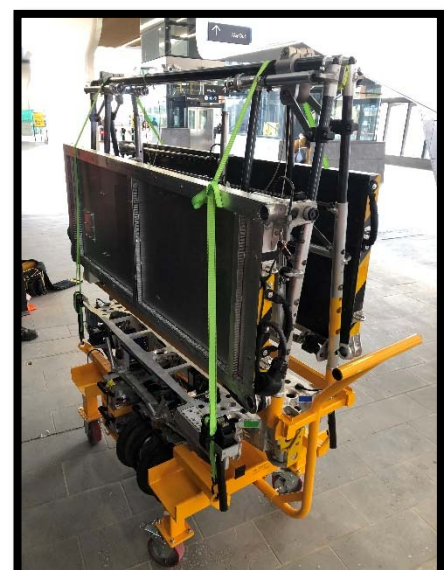
Battery operated Emergency Response Trolley



Nominal voltage	48 volts
Charging voltage	58 volts
Battery charge time (from discharged state)	20 hours (2 batteries), 40 hours (4 batteries)
Range (4 batteries)	Up to 100km
ER deck maximum payload	700 kg
Brake wheel mass	19 kg
Driven wheel mass	19.5 kg
Chassis mass	45.5 kg
Deck half mass (Emergency Response, 1600 gauge)	34 kg
Battery mass (per unit)	7 kg
Maximum vehicle speed	10 km/h (Depends on customer preference)
Periodic Maintenance	Maintenance Free
Peak motor torque	139.7 Nm
Peak motor braking torque	139.7 Nm
Park brake holding torque	100 Nm

PATENTED

Stowage Unit



Battery operated Inspection Trolley

PATENTED



3:00
MINUTES



**TWO PERSON
ASSEMBLY**

**NO TOOLS
REQUIRED**



2:00
MINUTES

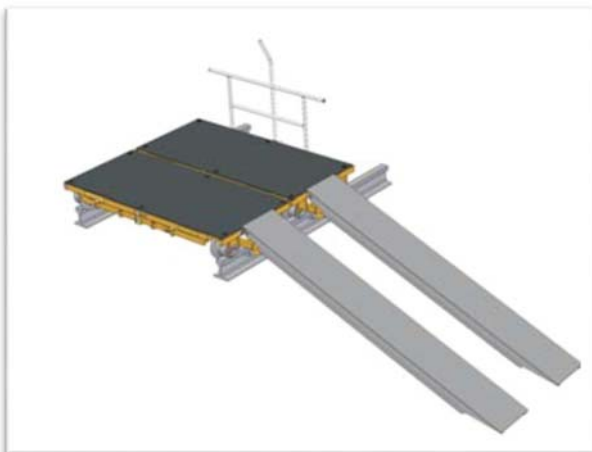


**FOUR PERSON
ASSEMBLY**

Link Trolley

Product	Part Number	Mass (kg)	SWL (kg)
Link Trolley (Insulated)	1120815-1000	57	1,250
	1120815-1067		
	1120815-1435		
	1120815-1600		
6" Brake Test Tool	1120852-TT	1.7	
Gas cylinder support frame	1120815-CSFSTDBRD		
Mesh Sides	1120815-CAGESTD	25	
	Other sizes available		
Loading Ramps	Available on request	64	
Scaffold	Available on request	38	
Attachments			
Red Flashing Light	1120909		
Brake Handle	1120992		
Push Handle	1120993		

TOC Waivers Available



Machine Trolleys

Dual Headed Floating Trolley – FP-193-AA



Specifications

Dimensions (excluding workhead), per half	1730mm long x 825mm wide x 505mm high
Weight (wet) per half	90kg
Float (Longitudinal)	1600mm (800mm each way symmetric)
Jib capacity	120 kg with MEC standard connection or 983 N-m @ pivot
Hydraulic Oil	ISO68 or ISO32
Hydraulic Hose Connection Size (body)	Pressure: 3/8"
ISO 16028	Tank: 3/8" Drain: 3/4"
Pressure Settings:	
Required Hydraulic Supply	Pressure: 210 Bar. Recommended Min flow - 20 l/min. Max Flow - 25 l/min
System Pressure	190bar / 2756psi
Lift assist	100bar / 1450psi
Brakes	Nil
Gauge	1435mm
RIS-1701-PLT compliant:	YES

Hydraulic Brake Trolley



TOC Waivers Available

Dual Gauge Trolley:

1067-1435 mm

1435-1600 mm

Single Gauge Trolley:

1000mm Narrow

1067mm Narrow

1435mm Standard

1600mm Broad

Bolted

1081311-H

1081312-H

Bolted

1081315-H

1081316-H

1081314-H

1081313-H

Welded

No welded version

No welded version

Welded

1081246-1000-BH

1081246-1067-BH

1081246-1435-BH

1081246-1600-BH

Cable Brake Trolley



TOC Waivers Available

Dual Gauge Trolley:

1067-1435 mm

1435-1600 mm

Single Gauge Trolley:

1000mm Narrow

1067mm Narrow

1435mm Standard

1600mm Broad

Bolted

1081311-C

1081312-C

Bolted

1081313-C

1081314-C

1081315-C

1081316-C

Welded

No welded version

No welded version

Welded

1081246-1000-BC

1081246-1067-BC

1081246-1435-BC

1081246-1600-BC

Non - Braked Trolley



Dual Gauge Trolley:

610-1067 mm

1067-1435 mm

1435-1600 mm

Single Gauge Trolley:

1000mm Narrow

1067mm Narrow

1435mm Standard

1600mm Standard

Bolted

1081247

1081311-U

1081312-U

Bolted

1081313-U

1081314-U

1081315-U

1081316-U

Welded

No welded version

No welded version

No welded version

Welded

1081246-1000-UB

1081246-1067-UB

1081246-1435-UB

1081246-1600-UB

Available Accessories:

Brake Test Tool

Part No. 1081323

Torque Wrench

Part No. 1081332

Machine Trolley storage rack

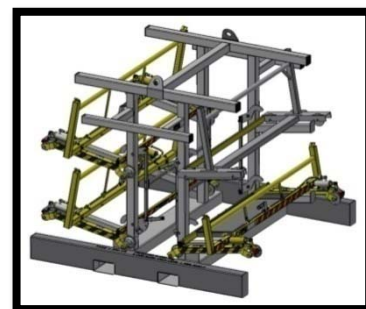


Trolley Rack:

Part No. **1121144**

Short Rack

Holds 4x Trolleys
(transportable with lock
down latches)



Part No. **1121171**

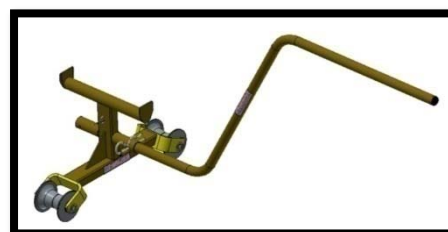
Long Rack

Holds 8x Trolleys
(storage only)

Transportable racks are also available in 6 and 8 trolley versions.

Single Rail Machine Trolley

The Melville Single Rail Trolley is ideal for Stacker/Reclaimer lines.



The trolley comes with an outrigger so that the machine in operation can be balanced.



Part No. **1860076**

Rail Track Gauging



The Melville Equipment Rail Gauging and Equipment Trolley combine's two operations into one and can be used independently by removing the gauging beam, held in place with two pins.

The Gauging Beam has two internal cylinders to increase the rail gauge and two external cylinders to decrease the rail gauge. Each set of cylinders can be locked in place to hold gauge while the track is re-clipped/fastened. The gauge can be measured with a lightweight track gauge. Also available with a high-pressure power pack.

Specifications

Description	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
Trolley	1820	1190	1070	102
Gauging Bar	2080	260	770	180
Overall	2080	1380	1070	285

Features

- Automatic Hand Brake
- Easy glide trolley wheels
- Handle folds flat for transport
- Low profile deck
- Lip around edge of tray to prevent items sliding off



Rail Jacking Trolley

- Lifts rail from sleepers to assist in pad replacements
- Simple one-man operation
- Allows rapid renewal of all types of pad fitted under concrete sleepers
- Cycle time of only 20 seconds – Up to 1000m/hr
- Up to 125mm rail lift, allowing access to 16 – 20 sleepers per cycle



Part No. **1121012**



Specifications

Noise dB (a)	84 – 96
Length	1560 mm
Width (rams up)	1900 mm
Height	480 mm
Weight (Without Power Pack Assembly)	215 kg
Power Pack Assembly Mass	15kg

Operating Pressure

The operating pressure of the RJT is set between 2,300 psi and 3,000 psi. This is maintained by the system pressure relief.

Operating Performance

The performance limits of the RJT are;

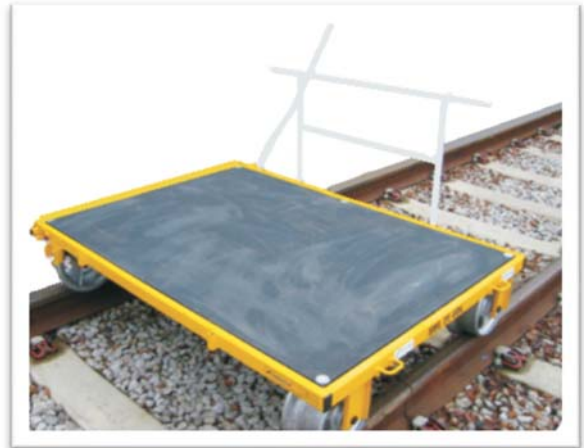
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|--|------------------|
| • Maximum SWL UDL on trolley deck | 750 kg |
| • Maximum Lift Ram Force | 4.1 – 5.3 tonnes |
| • Maximum Lift (without extension or supports) | 127 mm |
| • Maximum Pad Replacement | 400/hour |
| • Maximum Under Rail Roller Placement | 1000m/hour |



The RJT can be used to lift the following rail types of rail section

Type A

Product	Part Number	Mass (kg)	SWL (kg)
Type A Trolley (Insulated)	1120864	104	2,000
Crane Attachment	1121174		420
10" Brake Test Tool	1120866-TT	2.0	
Red Flashing Light	1120909		
Brake Handle	1120995		
Push Handle	1120993		



TOC Waivers Available

Type B



TOC Waivers Available

Product	Part Number	Mass (kg)	SWL (kg)
Type B Trolley (Insulated)	1120865-1067 1120865-1435 1120865-1600	138	2,000
Crane Attachment	1121174		420
Trolley Sides	1120865-CAGESTD 1120865-CAGEBRD Other sizes available	24	
Gas Cylinder Support Frame	1120865-CSFSTD 1120865-CSFBRD Other sizes available		
10" Brake Test Tool	1120866-TT	2.0	
Red Flashing Light	1120909		
Brake Handle	1120995		
Push Handle	1120993		

Welders Crate (secures to 2T trolley)

The MEC Welders Crate is designed to support and convey equipment required for welding and any other general rail maintenance needs.

The crates are designed to attach to the Permaquip 'Type B' Trolleys that are rated to a 2000kg capacity, the welders crate itself is rated to hold up to 1500kg uniformly distributed load (UDL) inside the crate.

The welders crate features include:

- Gas bottle supports
- Lockable toolbox
- Removable doors
- Fuel tank holder
- Hand tool holders
- Rear adjustable legs
- Certified Lifting points
- Forklift pockets



Part No. **FP-112-WC**

With Toolbox & Jerry can holder

Part No. **FP-112-WCT**

By utilising the welders' crate with the Permaquip Type B 2T trolley, the operators can safely move and pack the necessary items for projects onto the crate and move them along the track as a single unit.

The welders' crate is also able to be designed to have features added/removed according to the customer requirements – contact MEC for further information.



Weld Shears

Rail Weld Shears –FP-168 & FP-172

Melville Equipment Rail Weld Shears come in a variety of models, including models for tram and crane rail. Each can be powered by a hand pump mounted on the shears or by a petrol or diesel power pack. The shearing force is centred to equalise the lifting and driving in forces on the blades which ensures an inherently stable and flat cut surface on the rail head.



Part No. **FP-168-DU**

Hand Pump Models

	168-DU	172-DS	172-FP
Rail Size	Standard	Tram	Crane
Weight (kg)	54	65	65
Dimensions (mm)	1000 x 450 x 450	1150 x 530 x 600	100 x 475 x 450
Pressure (max)	297 bar/ 4300psi	297bar / 4300psi	297bar / 4300psi
Pump Flow (max)	8L/min	8L/min	8L/min
Hydraulic Oil	ISO68	ISO68	ISO68
Hydraulic hose Connection Size	½"	½"	½"
Pressure Settings:			
Hand Pump Pressure Relief	297bar/4300psi	297bar / 4300psi	297bar / 4300psi

Note: 172-DS is used for Tram Rails; does not cut into Groove



Part No. **FP-168-EL**

Control Valve Models

	168-EL	172-FO
Rail Size	Standard	Crane
Weight (kg)	48	65
Dimensions (mm)	1000 x 450 x 450	1100 x 475 x 450
Pressure (max)	276bar / 4000psi	248bar/ 3600psi
Pump Flow (max)	8L/min	6.8L/min
Hydraulic Oil	ISO68	ISO68
Hydraulic hose Connection Size	½ "	½"
Pressure Settings:		
Hand Pump Pressure Relief	297bar / 4300psi	-
Valve Relief	-	3600psi

Features

- Never undercut the weld
- Weld cuts are flat to minimise grinding
- Handles balance weight of shears & easier to carry shears up rail ballast.
- Long internal guiding to stop jack knifing
- Rollers under the rail head minimise movement

The weld shear range can shear hot rail welds from 62.5mm to 150 mm rail heads.

Blades are available for all sized Standard, Tram and Crane Rails. Other sizes are available on request.

Note: Weights quoted include the two shear blades.

Hydraulic Powerpacks for Weld Shears



Hydraulic oil temperature control is carried out at every step of the design and manufacture process. The hydraulic oil reservoir is an aluminium casting with heat dissipating fins shaped to maximise the surface area in contact with the atmosphere. Heat transferred from the engine crankcase through the pump bell housing to the pump is restricted with an insulating gasket as well as air ventilating holes through the bell housing. The pump receives attention at our factory to further improve its efficiency and reduce heat generation. The whole design concept is for a reliable working unit.

Specifications

Model	FP-115-1	FP-115-4	FP-115-5
Engine	Honda 5.5HP Petrol	Yanmar 4.8HP Diesel	Electric Diesel
Dimensions (mm)	510 x 400 x 420	510 x 400 x 500	580 x 475 x 415
Weight (kg)	36.5kg	37.5	50
Pressure (psi)	3,650	3,650	3,600



Part No. **FP-115-1**

Honda Recoil Start



Part No. **FP-115-4**

Yanmar Recoil Start



Part No. **FP-115-5**

Yanmar Electric Start

The above Powerpacks come standard with 4.6m hoses, however longer hoses are available allowing the Powerpack to be left on the truck/ute:

10m Hoses	Part No. H062-10000-008 ; Part No. H062-10000-034
24m Hoses	Part No. H062-24000-008 ; Part No. H062-24000-034
30m Hoses	Part No. H062-30000-008 ; Part No. H062-30000-034

Wheel Chocks



Product reference number refers to the height in mm, example CAA70: height 70mm

<i>Product reference</i>	<i>Description</i>	<i>Product</i>	<i>Weight (Kg)</i>
1121553-CAA70	CAA70 serilor®90shA yellow polyurethane with red strap; total width 75mm (incl. 20mm chamfer); comes with ergonomic, flexible PU strap (400mm long). Chock length : 315mm		1.2
1121553-CAP70	CAP70 serilor®90shA green polyurethane; handle through hole dia 30mm (angle 15°), chock length 382mm		1.2
1121553-CAP105	CAP105 serilor®90shA red polyurethane; handle through hole dia 30mm (angle 15°), chock length 382mm		2.1
1121553-CAP150	CAP150 serilor®90shA blue polyurethane; handle through hole dia 30mm (angle 15°), chock length 415 mm		2.9
1121553-CAD135	CAD135 serilor®90shA red polyurethane, with metal cradle: max rail width 65 mm; with handle steerable 45° both directions (height 135mm)		4.5

Rail Accessories

Ballast Bucket (rubber)

Part No. **1120981**

The ballast Bucket is used to fill up with Ballast or Tools



Ballast Fork

Part No. **1120900**

The all steel Ballast Fork is used by Railway workers for moving roadbed ballast allowing dirt to fall through the forks



Ballast Shovel (Pelican Pick)

Part No. **1120511**

Ideal for picking & scraping loose surfaces and moving loose ground materials. Hardened and tempered point for durability with a lacquered premium Australian hardwood handle.

Handle (oval eye) to suit Pelican Pick

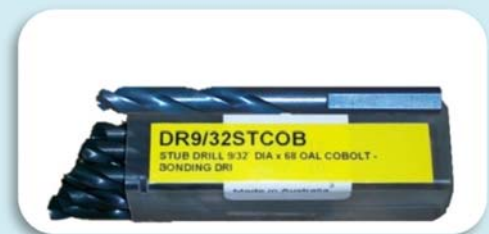
Part No. **1120684**



Bonding Drill Bit

Part No. **DR9/32STCOB**

9/32 inch Bonding (other sizes available on request)



Part No. **1121105**

Adaptor to take bonding drill bit, suits Rotabroach Rail Drill



Bow Plates

Bow plates – 31kg/m Rail	Part No. 1120641
Bow plates – 40kg/m Rail	Part No. 1120145
Bow plates – 47kg/m Rail	Part No. 1120144
Bow plates – 50kg/m Rail	Part No. 1120351
Bow plates – 53kg/m Rail	Part No. 1120143
Bow plates – 53/60kg/m Rail	Part No. 1121189
Bow plates – 60kg/m Rail	Part No. 1120142
Bow plates – 68kg/m Rail	Part No. 1120702



Chock (Double) with Flag

Double Chock with Flag for Flush Rail Part No. **1120953**



Clamps

G-Clamp and Universal Clamp

Suits 50kg/m Rail	Part No. 1120875
Suits 60kg/m Rail	Part No. 1120594
Suits 68kg/m Rail	Part No. 1120703
Suits 68kg/m Rail with Packer Block	Part No. 1120703-B

Holds fish plates against web of the rail

Universal Rail clamp	Part No. 1121328-GCU
Suits 41-68kg/m rail	



Clamps – Temporary for Rail for 31-60kg

Features

- No fiddly keeper plate to install
- Same sized nut as fish bolts

31kg Rail	Part No. 1121357-31
41kg-47kg Rail	Part No. 1121357-4147
50kg Rail	Part No. 1121357-50
53kg-60kg Rail	Part No. 1121357-5360



Clamp – Temporary Fassetta

Part No. 1120660

Single clamp designed to hold rail together prior to welding
Approved for use with Aurizon



Crow Bar

Part No. 1120637

Crow Bar Round Shank – 1500mm x Dia. 30mm

Cut-off Rail Saw Wheels

PFERD Rail Cut off Wheels 350mm (14") Part No. **GRIN044**

PFERD Rail Cut off Wheels 400mm (16") Part No. **GRIN029**

Other brands available on request



Cutting Fluid

20 L Bio-Degradable Water-Soluble Cutting Fluid Part No. **1120941**



De-Clipping Bar

Part No. **1120887**



Fastclip hand tools

Narrow Clip FC1509-FC1511 Installation Tool Part No. **1120445**

Narrow Clip FC1509-FC1511 Extraction Tool Part No. **1120447**

Wide Clip FC1501-FC1507 Installation Tool Part No. **1120970**

Wide Clip FC1501-FC1507 Extraction Tool Part No. **1120971**



Fish Bolt Spanners

Spanner for 42mm nuts, 800mm OAL Part No. **1120330**

Spanner for 22mm nuts, 800mm OAL Part No. **1120839**

Other sizes available on request



Flares

Eflare Safety Beacons are visible for more than one kilometre at night.

Various colours are available in either steady on or flashing.

Accessories range from magnetic base caps and clips, cone clips, lanyards, straps and Eflare carry bags.



Grinder – Air operated with deadman

Part No. 1121311

Features: Rugged, lightweight aluminium alloy housing angle grinder for many applications. Removes rust and paint fast. Great for dressing up welds and grinding complex shapes. Capacity...5"/125mm Free speed...11000rpm Hose size...3/8 Air Inlet...1/4 Length...246mm Weight...1.6Kg Air Pressure...90 psi



Grinding Stones

Melville Equipment General
150x76x55mm

Part No. **GRIN021MEC-GPR**

Head Hardened Rail 150x76x55mm

Part No. **GRIN021MEC-HHR**

Switch Grinding Wheel 250 x 32 x 25.4
Bore

Part No. **GRIN031**

Erico Grinding wheel 150 x 19.05 Bore

Part No. **GRIN024**



Hammer sledge

10 lb with Hickory Handle

Part No. **1120972-10**

10 lb with Fibreglass Handle

Part No. **1120972-10-FG**

14 lb with Hickory Handle

Part No. **1120972-14**

14 lb with Fibreglass Handle

Part No. **1120972-14-FG**

Replacement Hickory Handle

Part No. **1121135**

All are 900mm OAL



Kicking Tool

Part No. **1120806**

Sleeper Eye Cleaner, Removes Dirt from Sleeper Holes



Lifting Clamp for Rail (collar type)

Rail lifting clamp, collar type SWL 2.5T, suits 41-68kg rail

Part No. **1121547-4168**

Rail lifting clamp, collar type SWL 2.5T, suits A100 crane rail

Part No. **1121547-A100**



Lining Bars

Suits Enerpac/Simplex A-Series mechanical Track Jacks

Part No. **1120634**



Nipping Bar

Nipping bar has flat plate attached at the head of the bar to give platform base for leverage on rail ballast

Part No. **1120414**



Pad Scraper – Heavy Duty

Part No. **1120890**

The Rail Pad Scraper is used to remove grease and debris from pads whilst refurbishing or servicing and carrying routine track work. Built to cope and tackle the debris that can build up over long periods the synthetic handle assists easy removal of stubborn rubbish



Panpuller hand tools

Panpuller (As Shown in Picture)

Part No. **1120830-MEC**

Panpuller (Genuine Pandrol)

Part No. **1120356**

Panpuller Replacement Hooks (Genuine Pandrol)

Part No. **1120443**

Panpuller Timber/Concrete 5 hole

Part No. **1120468**

Panpuller replacement 5 hole Hook and Pin

Part No. **1120602**

Panpuller is specifically designed for Pandrol brand type 'E', 'P' and 'PR' series clips. All Steel construction supplied painted with synthetic handles.

Weight = 6.0kg



Pansetter hand tools

Pansetter (As Shown in Picture)

Part No. **1120831**

Pansetter (Genuine Pandrol)

Part No. **1120357**

Pansetter Replacement Rollers

Part No. **1120444**

Pansetter is specifically designed for the installation of Pandrol clips.

All steel construction supplied in spray painted finish with synthetic handles.

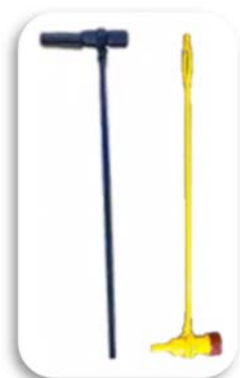
Weight = 6.5kg



Pin Punches

Rail bolt and rivet punch and handle, available in a range of sizes with or without neoprene

	Flexible without Neoprene End	Flexible with Neoprene	Solid without Neoprene End	Solid with Neoprene	Solid Handle - Offset Pin No Neoprene
D14 x100			1120705-S		
D15 x 40	1120680-F	1120680-FN	1120680-S	1120680-SN	
D16 x 100					1120603-SO
D19 x 100	1120305-F	1120305-FN	1120305-S	1120305-SN	1120604-SO
D19 x 40	1120306-F	1120306-FN	1120306-S	1120306-SN	
D22 x 100	1120307-F	1120307-FN	1120307-S	1120307-SN	
D22 x 40	1120308-F	1120308-FN	1120308-S	1120308-SN	



Pigs Feet

Standard Pattern

Part No. **1120218**

Thorley and Sons Pattern

Part No. **1120219**

Lock Spike Extractor (200mm OAL)

Part No. **1120152**



Podges

Straight Podger

Part No. **1120902**

Curved Podger

Part No. **1120257**

Bar Wedge and Podger End (Cone End) Part No. **1120266**

40 mm DIA to 10mm DIA, 300mm Long



Point Clip

Part No. **1120309**

Holds switch blade flange and foot of rail together & allows the barrel nut to be locked



Point Scraper Tool

Part No. **1120888**



Possession Limit and Marker Boards

Possession Limit Board



Part No. **1120983**

Marker Board



Part No. **1121051**

Pressure Gauges

Part No. **1120706**

14,000psi (1,000 Bar) 100mm diameter, gauge mount 3/8, glycerine filled gauge

Part No. **1120706-700B**

10,000psi (700 Bar) 100mm diameter, gauge mount 3/8, glycerine filled gauge

Other Pressure Gauge Available on Request



Rail Anchor (portable)

Part No. **1121610**

Mobile Sliding Anchor Point, ideal when working at heights



Rail Cap

Part No. **1121206**

The Rail Cap allows a train to travel over broken rails with up to 125mm of separation at a maximum speed of 15km/hour.



Rail Cutters

Tungsten Carbide Tipped

Part No. Ømm

RCTCT2525 25

RCTCT2825 28

RCTCT3025 30

RCTCT3225 32

High Speed Steel Cobalt

Part No. Ømm

RCHSSC2525 25

RCHSSC2825 28

RCHSSC3025 30

RCHSSC3225 32



Available cutter sizes 18mm – 36mm

Also available in Twist Lock Cutters

Rail Air Quencher

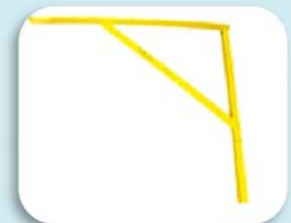
Sits over rail and quenches weld with air. Part No. **1120457**



Rail Square

1655 mm long Part No. **1120251**

1807 mm long Part No. **1120418**



Rail Turning Bars

47/49kg Part No. **1120225**

53/60kg Part No. **1120149**

Rail turning bar for flat bottom rail



Rail Turning Roll Over Hook

47/49kg

Part No. **112156000000**

Not to be used for lifting

Capacity 2T

Hook weighs 2.9kg



Rail Wedges

240 X 32 Rise x 16 Thick Spring

Part No. **1120626**

150 X 32 Rise x 32 Thick K1045

Part No. **1120627**

Top Hat End Wedge

240 x 60 Rise x 16 Thick with 20mm
Inside Step

Part No. **1121011**

500 x 35 Rise x 25 Thick with 25mm
inside step

Part No. **1121165**



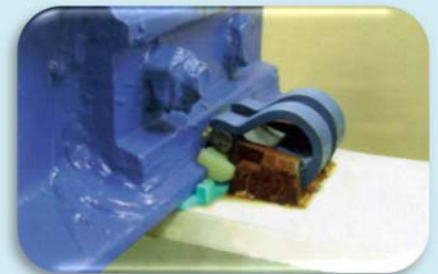
Safelok hand tools

Clip Installer tool

Part No. **1120939**

Universal removal tool

Part No. **1120532**



Sleeper Drills

	Diamond Hardened	Scotch Point	H.S.S	Tungsten Carbide Tip
			Chisel Point	
12 mm x 250 mm OAL		1440109		
14 mm x 250 mm OAL	1120374	1120436		
16 mm x 220 mm OAL			1440096	1440072
16 mm x 250 mm OAL	1120369	1440077		
16 mm x 300 mm OAL	1440084	1440076		
16 mm x 500 mm OAL		1440105		
17 mm x 250 mm OAL	1120376	1120460		
17 mm x 300 mm OAL		1440099		
18 mm x 250 mm OAL		1440100		
18 mm x 500 mm OAL		1440106		
19 mm x 220 mm OAL			1440097	1440073
19 mm x 250 mm OAL	1120439	1440080		
19 mm x 300 mm OAL	1120373	1440079		
19 mm x 500 mm OAL		1440090		
21 mm x 220 mm OAL			1440098	1440074
21 mm x 250 mm OAL	1440092	1440089		
21 mm x 300 mm OAL		1440101		
22 mm x 500 mm OAL		1440108		
24 mm x 330 mm OAL		1440102		
25 mm x 440 mm OAL		1440110		
32 mm x 1800 mm OAL	1440107			
Sleeper drill bit quick change adaptor	Part No.	1121121		

Sockets

Delkor screw spike socket 21mm x 28mm, 1" D	Part No. 1120378
Delkor Impact Socket – SQ "S" x 1" Drive	Part No. 1121190
Impact Socket - Rectangle 19 x 14 x 1" Drive	Part No. 1120512
Impact Socket 1"	Part No. 1160365
Impact Socket 24 mm 1" drive	Part No. 1160064
Impact Socket 34 mm 1" drive	Part No. 1160382
Impact Socket 36 mm 1" drive	Part No. 1630069
Impact Socket 36 mm 1" drive – deep socket	Part No. 1630069-D
Impact Socket 38 mm 1" drive – deep socket	Part No. 1160439-D
Impact Socket 41 mm 1" drive	Part No. 1160216
Impact Socket 41 mm 1" drive – deep socket	Part No. 1160216-D
Impact Socket 42 mm 1" drive	Part No. 1160329
Impact Socket 42 mm 1" drive – deep socket	Part No. 1160329-D
Screw Spike Universal Drive	Part No. 1630045
Universal Joint 1" SQ Fem x 1" SQ Male	Part No. 1160386
Magnetic head Torx Sockets - 16mm (E20)	Part No. 1630061
Magnetic head Torx Sockets – 19-21mm (E24)	Part No. 1630062
Magnet head	Part No. 1630065
Plus retaining O Rings 2x	Part No. OR2327
Plus Roll Pin	Part No. R18745
Impact Socket Adaptor ¾" female to ½" male	Part No. 1160258
Impact Socket Adaptor 1" female to ¾" male	Part No. 1160346
¾" Torx Socket 16mm (E20) 105mm Long	Part No. 1630175
¾" Torx Socket 19 – 21 mm (E24) 105mm Long	Part No. 1630176
1" Torx Socket 19 – 21 mm (E24) 90mm Long	Part No. 1630177
1" Drive 400mm OAL 1" SQ Fem x 1" SQ Male	Part No. 1120642
Magnetic head Extension Shaft	Part No. 1630083
Adaptor for Screw Spike machine 1" Drive	Part No. 1630071



Spike Driver

Cup End 13mm x 160mm

Part No. **1120906**



Spike Hammers

Spiking Hammer with Fibreglass Handle

Part No. **1120503-M**

Comes with 900mm pinned steel core non-slip fibreglass handle

Head secured to the handle in accordance with Australian Standard 3797:1991

Lanyard hole in handle



Spike Puller Jaws – Stanley

Part No. **1120486**

MEC Lock spike jaw castings

To suit Stanley SP45-SP48 model spike pullers



Spike Pulling Bars

Wedge / Chisel End

Part No. **1120222**

Podger End (Cone End)

Part No. **1120221**

Lock Spike Extractor 200mm OAL with Pigs foot

Part No. **1120152**

Spike Pulling Bar (or Claw Bar) is approximately 1650mm long with a 30 diameter shaft. The bar is fully forged with optional tapered or 38mm Square end for mechanical rail jack.

Weight is approximately 9.5kg.

For other configurations of Spike Pulling Bar

Please specify end required



Tamping Tynes

Plasser Beaver Switch

Left Hand

Part No. **1120867**

Right Hand

Part No. **1120868**

Jackson 6700

Alternative to the BTI-635

Tamping Tyne to suit Jackson 6700

Part No. **1121019-MK421**

Tamping Tyne alternatives are available for all BTI or Plasser branded tynes



Tensor Restraining Straps

1.625m x 11mm galvanised wire C/W machine spliced thimble ends, one end with 3.25T bow shackle.

Part No. **1121118**

Thermometers

Magnetic base, dial has 2 degree increments, Range 0-120 C

Part No. **1120665**

Laser Thermometer pocket size, Range -20 to 270C +/- 2.5%

Part No. **1160198**



Other Laser Thermometers available on request

Tie Bar – Insulated

Part No. **1121465-1067**

Part No. **1121465-1435**

Part No. **1121465-1600**



Tongs

Crane Lifting Tongs

A120 100kg/m Crane Rail

Part No. **1120800**



Sleeper Tongs

Timber Sleeper Crane Lifting

Part No. **1120311**

Timber Sleeper Hand Lifting

Part No. **1120226**

Concrete Sleeper 3T Certified Lifting Tong

Part No. **1121021**



Rail Lifting Tongs

Rail Hand Lifting

Part No. **1120227**

5T Certified Lifting Tongs – Light Weight

Part No. **1120282**



5T Certified Lifting Tongs – Heavy Duty

Part No. **1120148**

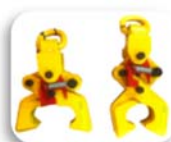


14T Certified Lifting Tongs – Heavy Duty

Part No. **1121173**

3T Certified Lifting Tongs – Locking

Part No. **1120896**



3T Certified Lifting Tongs – Non Locking

Part No. **1120895**

5T Burro Anti Slip Rail Tongs

Part No. **1120925**



Rail Threading Roller Tongs

2T Certified 600mm x 700mm x 270mm

Part No. **1120229**

3T Certified 600mm x 600mm x 600mm

Part No. **1120969**

5T Certified

Part No. **1121571**



Chain Set with 1T bow shackles & 2x legs @ 2.12m Part no. **1120793-SCH**

Chain Set with 1T bow shackles & 2x legs @ 2.12m Part No. **1120793-SCH500**



Torque Wrench

Brake Test Dial Torque Wrench 1/2" Drive (16-80Nm) Suit Permaquip Trolleys

Part No. **1120973**

Brake Test Dial Torque Wrench 1/4" (2-24Nm) Suit MEC Braked Trolleys

Part No. **1081332**

Nortronic Electronic Torque Wrench 1/2" Drive (30-330Nm) 915MHz

Part No. **1121526**

TORQ Battery Torque Wrench range 27-271Nm

Part No. **1121529-200**

TORQ Battery Torque Wrench range 81-678Nm

Part No. **1121529**

TORQ Battery Torque Wrench 1" square drive

Part No. **1121529-SQD**



Traklok Hand Tools

Traklok B2809 Steel Sleeper Clip Applicator Tool Angled Handle B296, B286, Zip9

Part No. **1120455**

Traklok B2902 Steel Sleeper Clip Removal Hand Tool Suit B296, B286 And Zip9 Clips

Part No. **1120456**

Traklok B2802 Steel Sleeper Clip Insertion Tool Straight Handle B296, B286, Zip9

Part No. **1120976**

Traklok B2803 Steel Sleeper Install Tool Dual GGE Track B296, B286, Zip9 Clips

Part No. **1120977**

Traklok 2904 Steel Clip Removal Tool Traklok 1

Part No. **1120978**



Warning Flag

Nylon Flag, with Hemmed Sleeve & 18" Dowell

Size: 12" x 15"

Red

Part No. **1120950**

White

Part No. **1120950**



Welders Hot and Cold Sets

Hot Set with Fibreglass Handle

Part No. **1120794**

Cold Set with Fibreglass Handle

Part No. **1120493**



Welders Measurement Tools

P1 Gauge

Part No. **1120940**

P1 Gauge measures variations along running surface, used in conjunction with a straight edge



Straight Edges

Sydney Straight Edge in Protective Case

Part No. **1120935-ST**

ARTC Finishing 0.3mm nib in Protective Case

Part No. **1120935-03**

ARTC Finishing 0.5mm nib in Protective Case

Part No. **1120935**

ARTC Setup 1.8 mm nib in Protective Case

Part No. **1120936**

Work Light

Part No. **1160354**

LED work light and lamp post attaches to the Trackpack, old style with white connector

Part No. **1160436**

LED work light and lamp post attaches to the Trackpack, with Deutsch connector (grey in colour)

Approx. 3-4 times brighter than quartz halogen bulbs



Wrench Drive

Part No. **1160259**

1" drive ratchet





Spike Puller



Spike Driver



Screw Spike

Available from:

MELVELLE EQUIPMENT CORP PTY LTD
 ABN: 55 123 570 356
 10 Rogilla Close
 WALLSEND NSW 2287 AUSTRALIA
 P: +61 2 49 515 244 F: +61 2 49 501 291
 W: www.melville.com.au
 E: sales@melville.com.au





Woodborer



Fast Clipper



E-Clip Remover



E-Clipper



E-Clip Remover



E-Clipper

MELVELLE EQUIPMENT

Trackpack System

used for Rail Construction and Maintenance

Features:

- One hydraulic power unit can power 7 different work heads
- Quick change boom allows easy change over from one work head to another
- Adjustable counterbalance positioning, minimal operator effort to lift
- Choice of electric start Honda Petrol or Yanmar Diesel engines
- Night light option
- Emergency Stops
- Guarding
- Braked machine trolleys, available in any gauge













Robust / Reliable / Versatile / Counter-balanced work heads / Emergency stops / Quick change over / Dual trigger operation