

Sleeper Squarer

Rail Portable Sleeper Squarer and Sleeper Positioner



The Permaquip™ portable Sleeper Squarer is used to square all types of monoblock, twinblock, 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 tonne 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).



Trackpack Head – FP-108-TPF

Specifications

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

Features

- Dual handles controls, keeps operator's feet well clear of jaws
- Pulls both lock and dog spikes, both jaw types supplied with machine
- 80kN (8tonne) 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

Jaw options



Part No. **1080507**

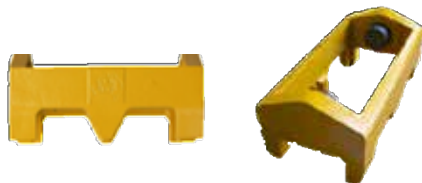
Lock Spike Jaws



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.



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)*	Level Lw	106 dB	
Sound Pressure Level (ISO 11203)** Lp, r=1m	93 dB (A)		

Tamper – Petrol Cobra™ PRO e



Cobra Pro e

Features

- Easy start, decompression valve and electric ignition
- Increased power to weigh ratio
- Hand Arm Protection System
- High capacity air filter, easy access, faster servicing
- Easy oil check



Cobra Pro e

Part No. FP-112-18

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

Part No. 1120377-C

Cobra Pro TT

Available upon request



Easy Start



High Capacity Air Filter

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



Energac Lightweight Tensor

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

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



Energac Powerpack

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

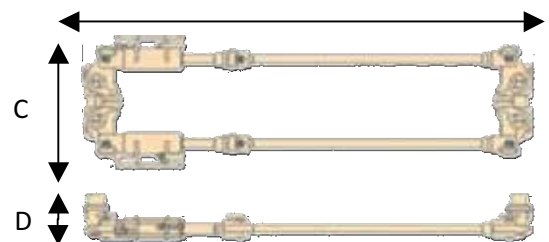
Part No. **FP-180-EPSE** (quick snap fittings)

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

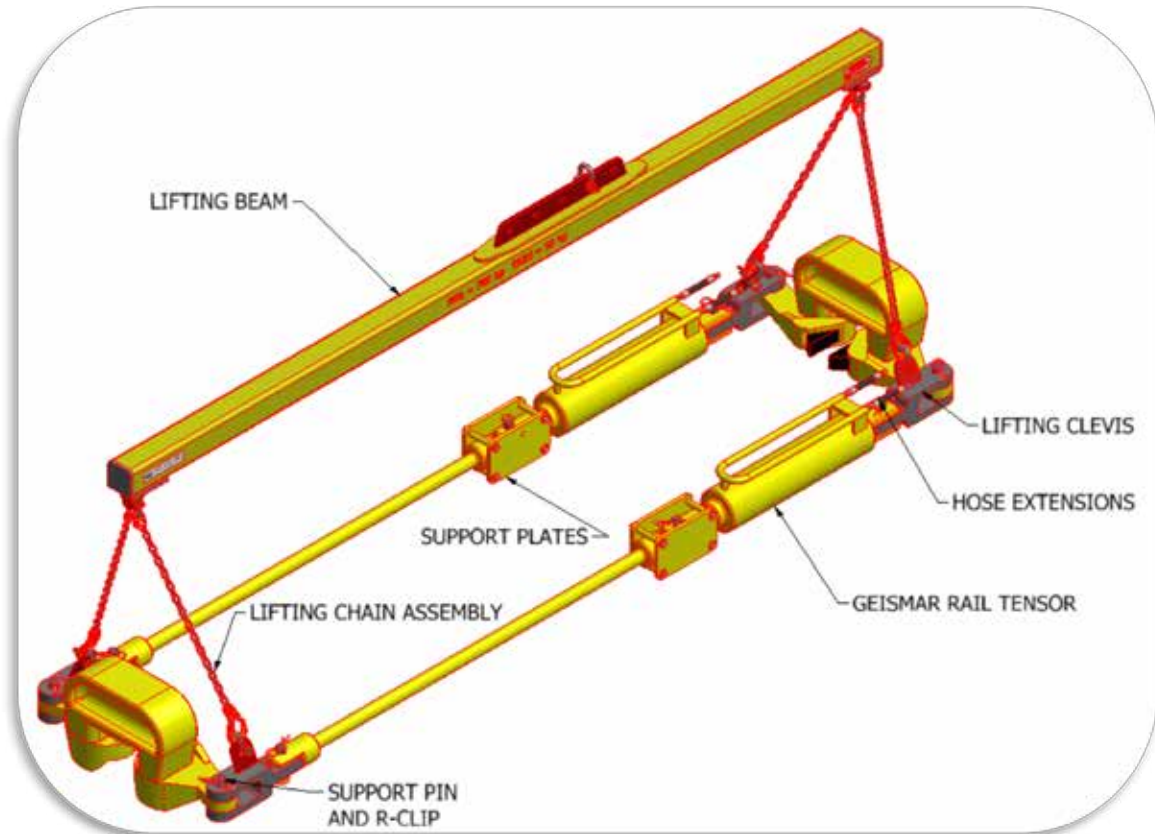


A (Closed Length)

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

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

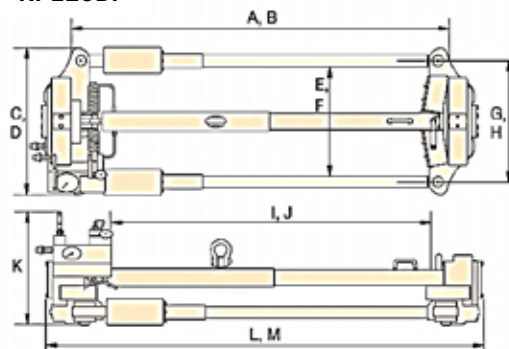


Part No. **FP-112-44**

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