

# WORLIFTS



**"join the journey"**

**Rail Division**

## SMALL PLANT

Technical  
Brochure

**National coverage with support  
for all products and services**

**0121 460 1113**

[www.worlifts.co.uk/rail](http://www.worlifts.co.uk/rail)

[rail@worlifts.co.uk](mailto:rail@worlifts.co.uk)



# Welcome to Worlifts-Rail

**The one stop shop for the supply of small plant, tools, lifting and jacking equipment specifically for the rail industry.**

Backed up by our comprehensive inspection, repair, test and calibration facilities, both in-house and on-site, Worlifts-Rail can provide the complete service.

## Our Products Include:

- Track Jacks
- Track Tools
- Overhead Line Equipment
- Rail Handling Equipment
- Lifting Equipment
- Train Re-Railing Systems
- Train Depot and Maintenance Equipment

## Our Services Include:

- Service and Repair
- Examination and Load Testing
- Calibration
- Comprehensive On-site Inspection and Testing
- PAT Testing
- Hand Arm Vibration Testing

Worlifts-Rail is a specialist division of Worlifts Ltd and is dedicated to providing products and services to all aspects of the rail industry. As a company we have been supplying the rail network with equipment both directly and indirectly for over 35 years and due to increasing demand and continued industry focus, Worlifts-Rail was launched in 2001.

Worlifts-Rail have a dedicated team that is forward thinking, enthusiastic and fully aware of the demands faced by working within the rail industry. We work closely with our clients to ensure they are supplied with the right equipment and services to enable them to complete their work correctly, on time and in line with current legislation.

We are proud to be partnered with all the leading brands of small plant and associated equipment along with our sole UK partnerships with leading worldwide rail plant and equipment manufacturers.

## Our partnerships include:

- Simplex & Enerpac - Track Jacks & Hydraulic Lifting Products
- Camlok - Rail Lifting Clamps
- Yale - Lifting Equipment
- Hegenscheidt-MFD - Train and Rolling stock Re-Railing Systems
- Tangye - Lightweight Aluminium Jacks
- Enerpac - High Pressure Hydraulic Workshop Tools
- Enerpac Hydraulic Torque Wrenches
- Norbar - Torque Tools
- Tractel - Lifting & Load Measuring Equipment
- SPX - Hydraulic Rail Stressing Pumps

## Service and Repair of:

- Mechanical Track Jacks
- Hydraulic Track Jacks
- Stressing Equipment & Pumps
- Small on Track Plant
- Rail Handling Equipment
- Chain Slings & Lifting Equipment
- Hydraulic Cylinders & Pumps

P-Way



Rail Handling



Re-Railing



Repair



OHL



Lifting Gear



Depot



Testing



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**ENERPAC** 

**TANGYE**

**Tractel** GROUP 

**BRITRUCK**

**HEGENSCHEIDT**  
MFD

**POWER JACKS**  
manufacturers of precision screw jacks, actuators and gearboxes *Grall*

 **William Hackett**

**C&CO**  
COLUMBUS MCKINNON  
CORPORATION

**Camlok**

**SIMPLEX**

 **MillerWeblift**

**Crosby**

**Yale**

**PAFF**

 **DYNABRADE**





# Permanent Way Equipment

## Track Jacks

Portable jacks have been a fundamental part of track maintenance and renewals for many years, available from stock, we can supply a comprehensive selection of jacking products.

All the jacks in our range have been designed specifically to cope with the rigours of constant use out in the field but are lightweight and portable to be positioned for use with ease.

### Simplex TJ109LS Hydraulic Toe Jack

Stock Code - WRJ/207

Fitted with a large solid base and unique ergonomic pistol grip, useful to quickly extend the jack until it engages with the load.

<b>Capacity:</b>	<b>10t</b>
<b>Stroke:</b>	<b>305mm</b>
<b>Closed Height-Head:</b>	<b>410mm</b>
<b>Closed Height-Toe:</b>	<b>55mm</b>
<b>Weight:</b>	<b>19kg</b>



### Simplex A17 (02075) Trip Jack

Stock Code - WRJ/101

The industry standard mechanical trip jack, ideal for general track maintenance. Fitted with a quick-trip mechanism which allows the rail to be instantly dropped.

<b>Capacity:</b>	<b>15t</b>
<b>Stroke:</b>	<b>330mm</b>
<b>Closed Height - Head:</b>	<b>575mm</b>
<b>Closed Height - Toe:</b>	<b>50.8mm</b>
<b>Weight:</b>	<b>22.7kg</b>



### Simplex TJ109S Hydraulic Toe Jack

Stock Code - WRJ/201

A lightweight but rugged jack, designed for a wide range of rail lifting applications. Fitted with a large solid base for added stability on ballast. Requires low operating lever effort to greatly reduce the risk of back injury.

<b>Capacity:</b>	<b>10t</b>
<b>Stroke:</b>	<b>229mm</b>
<b>Closed Height-Head:</b>	<b>559mm</b>
<b>Closed Height-Toe:</b>	<b>57mm</b>
<b>Weight:</b>	<b>25kg</b>



### Simplex RJA1022

Stock Code - WRJ/102

Lightweight, manufactured with an aluminium body and large base for increased stability. A strong ratchet mechanism ensures controlled lifting and lowering of load with minimal effort.

<b>Capacity:</b>	<b>10t</b>
<b>Stroke:</b>	<b>305mm</b>
<b>Closed Height - Head:</b>	<b>550mm</b>
<b>Closed Height - Toe:</b>	<b>51mm</b>
<b>Weight:</b>	<b>19kg</b>



### Zwicky B805 Toe Jack

Stock Code - WRJ/203

Popular hydraulic jack used for general track maintenance operations. Toe fits under rail without removal of ballast.

<b>Capacity:</b>	<b>8t Head</b>
	<b>5t Toe</b>
<b>Stroke:</b>	<b>90mm</b>
<b>Closed Height-Head:</b>	<b>235mm</b>
<b>Closed Height-Toe:</b>	<b>95mm</b>
<b>Weight:</b>	<b>18.5kg</b>



### Simplex RJ85A

Stock Code - WRJ/103

Strong steel housing ensures a long service life and durability. The jack has a low toe height and large stable base. Rated at 5t on both head and toe, compact, ideal for use in confined areas.

<b>Capacity:</b>	<b>5t</b>
<b>Stroke:</b>	<b>254mm</b>
<b>Closed Height - Head:</b>	<b>432mm</b>
<b>Closed Height - Toe:</b>	<b>45mm</b>
<b>Weight:</b>	<b>14kg</b>

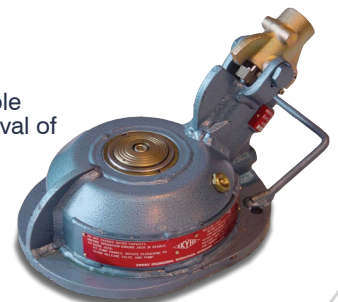


### Zwicky F1054 Pan Jack

Stock Code - WRJ/204

Low closed height jack with impressive 101mm stroke. Whole jack fits under rail without removal of ballast.

<b>Capacity:</b>	<b>10t</b>
<b>Stroke:</b>	<b>101mm</b>
<b>Closed Height:</b>	<b>235mm</b>
<b>Weight:</b>	<b>18.5kg</b>





## Pfaff SJ Silverline Mechanical Toe Jack

Stock Code - WRJ/105

Robust steel housing provides long service life. The precisely machined gear box with optimal gear ratio ensures a minimum effort and smooth operation. Four jacks in range, 1500 to 10000kg.

**Capacity:** 1500kg  
**Stroke:** 360mm  
**Closed Height - Head:** 725mm  
**Closed Height - Toe:** 70mm  
**Weight:** 13kg

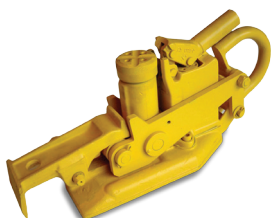


## Stumec CH65 Slewing Jack

Stock Code - WRJ/202

This obstructionless jack can be used for lifting and slewing rail using its unique detachable slewing toe. Made from hardened steel and fitted as standard with a safety relief valve to prevent overloading.

**Capacity:** 7t Head  
 5t Shoe  
**Stroke:** 115mm Head  
 150mm Shoe  
**Weight:** 25kg



## Zwicky SB7417 Track Aligner Jack

Stock Code - WRJ/205

This jack is specifically designed for slewing of track, points and crossings. Aluminium base embeds in ballast to give a firm jacking point.

**Capacity:** 8t  
**Stroke:** 152mm  
**Weight:** 8.5kg



## Simplex CR320B Cable Drum Jack

Stock Code - WRJ/104

Used in pairs for lifting cable drums from 510mm to 1524mm, fitted with 3 lifting positions and a hardwood base for increased stability.

**Capacity:** 5t Side Hooks  
 10t Top Hooks  
**Stroke:** 241mm  
**Weight:** 23kg



## Victory Jack

Stock Code - WRJ/206

A unique hydraulic jack with 360 degree rotation of the toe, ideal for accessing confined areas. Can be used horizontally as well as standard vertical operation. Three jacks in range 5, 10 & 25t.

**Capacity:** 5t  
**Stroke:** 206mm  
**Closed Height-Head:** 368mm  
**Closed Height-Toe:** 25mm  
**Weight:** 20kg



## Operating Levers

Jack Type	Standard Stock Code	Length (mm)	Weight (Kg)	Insulated Stock Code	Length (mm)	Weight (Kg)
Simplex A17 (02075)	OPL/101	1219	3.6	OPL/201	1219	3
Simplex RJA1022	OPL/102	940	5.9	OPL/202	965	3.2
Simplex RJ85A	OPL/104	914	3.6	OPL/203	787	1.8
Stumec CH65	OPL/106	787	2.2	-	-	-
Zwicky Range	OPL/105	965	3.2	OPL/204	965	2.5
Simplex TJ109S & TJ109LS	OPL/104	914	3.6	OPL/203	787	1.8
Simplex CR320B	OPL/104	914	3.6	OPL/203	787	1.8

When purchased, there are options to buy standard steel or PolyFibre insulated operating levers



# Permanent Way Equipment

## Enerpac Rail Stressing Equipment

### Enerpac RP70A Hydraulic Stressor

Stock Code WPP/2001

The Enerpac RP70A is a Network Rail Approved lightweight Rail Stressing Kit, designed specifically for railway maintenance and renewal engineers, used to control the gap between the rail ends during the thermite rail welding process.

Designed to be both durable and easy to assemble, its components are up to three times lighter than similar kits and all are genuine one or two person lift which is revolutionary for this type of product. This reduction in weight massively helps with ergonomics and fatigue for the user and greatly assists in reducing issues with the load capacities of transport vehicles.

The RP can be used with existing petrol and the latest Enerpac ZC battery pack, the latter providing a reliable, quiet and lightweight way to operate stressors which has less impact on the environment and eliminates the need to carry petrol fuel to the site.

- Revolutionary lightweight ergonomic design all components are genuine one or two person lift.
- No need to dig out ballast.
- Rapid set-up time.
- Fitted with quick-release couplers.



- Utilises traditional captive pin connectors.
- Cylinder rods protected by steel sleeves, help prevent physical damage and weld spatter contamination.
- Transport/storage stillage available

**NetworkRail**

Approved Product



# Enerpac ZC Hydraulic Stressor Pump

Stock Code WPP/500

The ZC pump is a Network Rail Approved lightweight hydraulic pump which enables operation of rail stressors which operate at the same pressure. Fitted with standard flat face couplers, this unit is the first of its kind which utilises lithium-ion technology to provide a high-performance product with zero emissions.

## Quietest Rail Stressor Pump Available

The RP is fitted with a Briggs & Stratton brushless motor which combined with the top quality Enerpac hydraulic system provides the most reliable and quietest pump on the market. The unit is over 30% lighter than existing petrol units which massively helps with ergonomics and transport to site without the need to carry petrol fuel.

The pump is supplied with two 82v 4Ah batteries and charger which charges each battery in as little as 60 minutes and when used with the new Enerpac RP rail stressor, provides the lightest powered stressing system available to the industry.



Available with or without side protection plates. Stock Code WPP/5001



- High performance with no emissions.
- 82v 4Ah Lithium-ion batteries.
- 60 minute fast charge (per battery).
- Vastly reduced noise level.
- Supplied with two batteries and a charger.
- Compatible with other rail stressors (working at the same pressure).
- Weighs 34.8kg (without battery).

Battery and charger case available as an optional extra.

Stock Code WPP/500



Approved Product

# Permanent Way Equipment

## Hand Tools (standard/insulated range)

We offer a range of hand tools manufactured from the strongest materials and specially designed with comfort and balance in mind to aid safety on site.

Our tubular steel shafted solid socket shovels are designed for the heavier usage expected within the rail industry. The contoured tubular steel handles are rotary welded into the body of the socket for extra strength and rigidity, producing a very robust yet lightweight tool. Our hammers are manufactured to exacting standards and are ideal for railway use. Supplied as standard with hickory shafts but also available with hardwood and fibreglass handles.

### All Steel Ballast Shovel

**28" All Steel MYD Shovel** | 254mm x 216mm x 318mm  
Stock Code –WHT/103 | Weight: 2.6kg

### Sledge Hammer

**36" Hickory Shaft Hammer** | Available as 10lb & 7lb  
Stock Code – WHT/108 & WHT/105 | Weight: 5kg & 3.6kg

### Keying Hammer

**36" Hickory Shaft Hammer** | Available as 10lb & 7lb  
Stock Code – WHT/102 & WHT/104 | Weight: 5kg & 3.6kg

### Slewing Bar

**Hexagon Heel & Point Bar** | 1524mm x 32mm (60" x 1.25") Hexagon Bar  
Stock Code WHT/101 | Weight: 8.6kg



## Insulated Range

PolyFibre Insulated Tools provide full conformity to the exacting specifications of 'BS8020:2002.

BS8020:2002 is an exacting specification that demands full adherence to detailed manufacturing and testing procedures for safe working practices to be maintained by the user when working on or in close proximity to live conductor rails and cables. Every single tool is flash tested to 10,000 Volts and issued with an individual certificate.

### Insulated Ballast Shovel

**28" Taper Mouth Shovel** | 254mm x 216mm x 318mm  
Stock Code –WHT/203 | Weight: 2.5kg

### Insulated Keying Hammer

**36" Insulated Hammer** | Available as 10lb & 7lb  
Stock Code – WHT/202 & WHT/207 | Weight: 5kg & 3.6kg

### Insulated Sledge Hammer

**36" Insulated Hammer** | Available as 10lb & 7lb  
Stock Code – WHT/205 & WHT/206 | Weight: 5kg & 3.6kg

### Insulated Slewing Bar

**Insulated Heel & Point Bar** | 1524mm x 32mm (60" x 1.25")  
Stock Code – WHT/201 | Weight: 4kg

### Insulated Jack Levers

**Insulated Jack Operating Levers** | Available for a wide range of track jacks





# Overhead Line Equipment

## Lever Hoists



### 1 William Hackett SS-L5 QP (Quad Pawl) Lever Hoist

Fitted with unique and patented pawl design and travelling end stop.

Capacity	Lifting Height	Weight	Stock Codes
800kg	1.5m	5.9kg	WLH/701
1600kg	1.5m	7.4kg	WLH/702
3200kg	1.5m	13.7kg	WLH/703

### 2 Yale D85 Lever Hoist

Heavy duty made from rugged high tensile white malleable cast iron.

Capacity	Lifting Height	Weight	Stock Code
750kg	1.5m	8.2kg	WLH/102
1500kg	1.5m	16.3kg	WLH/101
3000kg	1.5m	19.6kg	WLH/103

### 3 Yale PT Lever Hoist

Made from pressed steel, the PT range is lightweight, versatile and very popular for OHL installation.

Capacity	Lifting Height	Weight	Stock Code
800kg	1.5m	5.5kg	WLH/201
1600kg	1.5m	9.6kg	WLH/202
3200kg	1.5m	16.0kg	WLH/203

### 4 Yale Uno Plus Lever Hoist

Economy range, lightweight and featuring a compact design.

Capacity	Lifting Height	Weight	Stock Code
750kg	1.5m	7.2kg	WLH/301
1500kg	1.5m	12.5kg	WLH/302
3000kg	1.5m	21.5kg	WLH/303

### 5 Tiger PROLH Lever Hoist

Popular industrial lever hoist, fitted with patented Twin Cam Pawl to enhance safety. Also fitted with a travelling end stop.

Capacity	Lifting Height	Weight	Stock Codes
800kg	1.5m	7.8kg	WLH/501
1500kg	1.5m	11.0kg	WLH/502
3000kg	1.5m	18.7kg	WLH/503

All hoists are available in additional capacities, larger lifting heights and some can be fitted with load limiters as optional extras.

# Overhead Line Equipment

## Wire Rope Pulling Machines

### Wire Rope Pulling Machines

Used with wire ropes of various lengths to pull conductor cables over long distances. Fitted with overload protection. Some models can be supplied hydraulically operated to ease use.



#### Tractel Tirfor 500 Series

Compact, lightweight and easy to handle  
Combine ease of handling and safety

Stock Code	Model	Capacity (Kg)	Rope Dia (mm)	Weight (Kg)	L x W x D (mm)
WTM/101	T508D	800	8.3	6.6	420 x 250 x 59
WTM/102	T516D	1600	11.5	13.5	530 x 315 x 127
WTM/103	T532D	3200	16.3	24	620 x 355 x 130



#### Tractel Tirfor TU Series

Very rugged and durable design  
Ideal for pulling heavy loads

Stock Code	Model	Capacity (Kg)	Rope Dia (mm)	Weight (Kg)	L x W x D (mm)
WTM/201	TU8	800	8.3	8.4	527 x 256 x 108
WTM/202	TU16	1600	11.5	20	660 x 330 x 140
WTM/203	TU32	3200	16.3	27	627 x 330 x 156



#### Yale Yaletrac Series

Lightweight Design  
Constructed from high strength alloy

Stock Code	Model	Capacity (Kg)	Rope Dia (mm)	Weight (Kg)	L x W x D (mm)
WTM/301	Y08	800	8.4	7	430 x 240 x 60
WTM/302	Y16	1600	11.5	14	545 x 270 x 97
WTM/303	Y32	3200	16	21	680 x 330 x 110

### Wire Ropes

Wire ropes of various lengths can be supplied to suit each of the above machines.

Standard lengths are available from 10 to 60 metres but longer ropes can be supplied as a special order. Reels are also available to store and protect ropes.





# Bowthorpe Equipment

To complement our range of standard lifting equipment, Worlifts are an established supplier of quality lightweight equipment for use in installation and maintenance of all types of catenary systems.

## Bowthorpe Equipment

Bowthorpe Clamps and Wedges have been developed to tension conductor cables in overhead line systems. Used with slings, shackles and lifting products such as Lever Hoists and Tirfor Machines, the conductor wire can be installed to the specific required tension.

### Wedge Specifications:

Stock Code	Product Code	Type	Conductor Diameter	Working Load	Weight
WBE/103	406594594	A	9.0 to 10.7mm	60kN	1.7kg
WBE/104	406594595	B	10.8 to 12.5mm	60kN	1.7kg
WBE/105	406594597	C	14.4 to 16.1mm	60kN	1.6kg
WBE/106	406598602	D	16.2 to 18.2mm	60kN	1.2kg
WBE/107	406598604	E	20.5 to 22.5mm	60kN	1.1kg
WBE/108	406594003	F	18.3 to 20.4mm	100kN	2.5kg
WBE/109	406594596	Y	12.6 to 14.3mm	60kN	1.6kg
WBE/110	406598598	AS	9.0 to 10.7mm	60kN	1.1kg
WBE/111	406598599	AL	10.8 to 12.5mm	60kN	1.3kg

### Body Specifications:

Stock Code	Product Code	Conductor Diameter	Weight
WBE/101	438158001	9.0 to 24.5mm	2.5kg
WBE/112	438158002	24.5 to 32.0mm	4.0kg



### Standard Running Out Block

Stock Code	WRB/102
SWL	350kg
Weight	2.2kg
Pulley Diameter	120mm
Overall Height	350mm
Width	90mm
Depth	45mm (120mm including pulley)

### Twin Leg Pulling Sling

Stock Code	Working Limit	Working Length	Weight
WBE/102	44kN	750cm	2.3kg



# Overhead Line Equipment













## Webbing & Round Slings

**Polyester Webbing Slings** are manufactured and colour coded in accordance with BS EN 1492-1:2000. **Endless Polyester Round Slings** are manufactured and colour coded in accordance with BS EN 1492-2:2000.

The working load limits (WLL) listed in the table below are the maximum weights which slings are designed to carry in general lifting service according to the standard uniform load method of rating. In exceptionally hazardous conditions or in any other circumstances which might indicate a need for a WLL lower than the designed figure, the degree of hazard should be assessed by a competent person and the working load limit adjusted accordingly. The WLL, which should be marked on the sling itself, must not be exceeded in any circumstances.

WLL (tonnes)	Colour									
		M = 1	M = 0.8	Parallel M = 2	$\theta = 0^\circ$ to $45^\circ$ M = 1.4	$\theta = 45^\circ$ to $60^\circ$ M = 1	$\theta = 0^\circ$ to $45^\circ$ M = 1.4	$\theta = 45^\circ$ to $60^\circ$ M = 1	$\theta = 0^\circ$ to $45^\circ$ M = 2.1	$\theta = 45^\circ$ to $60^\circ$ M = 1.5
1.0	Violet	1.0	0.8	2.0	1.4	1.0	1.4	1.0	2.1	1.5
2.0	Green	2.0	1.6	4.0	2.8	2.0	2.8	2.0	4.2	3.0
3.0	Yellow	3.0	2.4	6.0	4.2	3.0	4.2	3.0	6.3	4.5
4.0	Grey	4.0	3.2	8.0	5.6	4.0	5.6	4.0	8.4	6.0
5.0	Red	5.0	4.0	10.0	7.0	5.0	7.0	5.0	10.5	7.5
6.0	Brown	6.0	4.8	12.0	8.4	6.0	8.4	6.0	12.6	9.0
8.0	Blue	8.0	6.4	16.0	11.2	8.0	11.2	8.0	16.8	12.0
10.0	Orange	10.0	8.0	20.0	14.0	10.0	14.0	10.0	21	15.0
Over 10.0	Orange									

M = Mode factor for symmetrical loading. Handling tolerance for slings or parts of slings indicated as vertical =  $0^\circ$

Straight Lift	Choked Lift	Basket Hitch		Two Leg	Three & Four Leg
					
					



WLL 50000 KG

WLL 30000 KG





## Flat Duplex Webbing Sling Stock Codes

	WLL	1t	2t	3t	4t	5t	6t	8t	10t
EWL		Violet	Green	Yellow	Grey	Red	Brown	Blue	Orange
1 m		SWS101	SWS201	SWS301	N/A	N/A	N/A	N/A	N/A
1.5 m		SWS101.5	SWS201.5	SWS301.5	N/A	N/A	N/A	N/A	N/A
2 m		SWS102	SWS202	SWS302	SWS402	SWS502	N/A	N/A	N/A
2.5 m		SWS102.5	SWS202.5	SWS302.5	SWS402.5	SWS502.5	N/A	N/A	N/A
3 m		SWS103	SWS203	SWS303	SWS403	SWS503	SWS603	SWS803	SWS1003
4m		SWS104	SWS204	SWS304	SWS404	SWS504	SWS604	SWS804	SWS1004
5m		SWS105	SWS205	SWS305	SWS405	SWS505	SWS605	SWS805	SWS1005
6m		SWS106	SWS206	SWS306	SWS406	SWS506	SWS606	SWS806	SWS1006
7m		SWS107	SWS207	SWS307	SWS407	SWS507	SWS607	SWS807	SWS1007
8m		SWS108	SWS208	SWS308	SWS408	SWS508	SWS608	SWS808	SWS1008
9m		SWS109	SWS209	SWS309	SWS409	SWS509	SWS609	SWS809	SWS1009
10m		SWS1010	SWS2010	SWS3010	SWS4010	SWS5010	SWS6010	SWS8010	SWS10010

## Round Sling Stock Codes

		WLL	1t	2t	3t	4t	5t	6t	8t	10t
EWL	CIRC		Violet	Green	Yellow	Grey	Red	Brown	Blue	Orange
0.5 m	1m		SRS101	SRS201	SRS301	SRS401	N/A	N/A	N/A	N/A
1 m	2m		SRS102	SRS202	SRS302	SRS402	SRS502	SRS602	SRS802	SRS1002
1.5 m	3m		SRS103	SRS203	SRS303	SRS403	SRS503	SRS603	SRS803	SRS1003
2 m	4m		SRS104	SRS204	SRS304	SRS404	SRS504	SRS604	SRS804	SRS1004
2.5 m	5m		SRS105	SRS205	SRS305	SRS405	SRS505	SRS605	SRS805	SRS1005
3 m	6m		SRS106	SRS206	SRS306	SRS406	SRS506	SRS606	SRS806	SRS1006
4 m	8m		SRS108	SRS208	SRS308	SRS408	SRS508	SRS608	SRS808	SRS1008
5 m	10m		SRS1010	SRS2010	SRS3010	SRS4010	SRS5010	SRS6010	SRS8010	SRS1010
6 m	12m		SRS1012	SRS2012	SRS3012	SRS4012	SRS5012	SRS6012	SRS8012	SRS1012
8 m	16m		SRS1016	SRS2016	SRS3016	SRS4016	SRS5016	SRS6016	SRS8016	SRS1016
10 m	20m		SRS1020	SRS2020	SRS3020	SRS4020	SRS5020	SRS6020	SRS8020	SRS1020

Wear Sleeves are available for all the slings listed, single part and double part for the Roundslings

# Overhead Line Equipment

## Green Pin Shackles

Made from high tensile steel, Grade 6, quenched and tempered. Manufactured to EN 13889 and meets performance of US Fed Spec RR-C-271. Hot dipped galvanised finish with a safety factor of 6:1.



1



2



3



4

### 1 Green Pin Standard Bow Shackles

Stock Code	Capacity	Body Dia	Pin Dia	Length	Width of Bow	Width of Jaw	Weight
	tons	mm	mm	mm	mm	mm	kg
11002A	0.5	7	8	48.5	34	12	0.05
11003A	0.75	9	10	56	40	13.5	0.10
11004A	1	10	11	63.5	46	17	0.14
11005A	1.5	11	13	74	51	19	0.19
11006A	2	13.5	16	89	58	22	0.36
11007A	3.25	16	19	110	75	27	0.63
11008A	4.75	19	22	129	89	31	1.01
11009A	6.5	22	25	144	102	36	1.50
110010A	8.5	25	28	164	118	43	2.21
110011A	9.5	28	32	185	131	47	3.16
110012A	12	32	35	201	147	51	4.31

### 2 Green Pin Standard Bow Shackles with Safety Bolt

Stock Code	Capacity	Body Dia	Pin Dia	Length	Width of Bow	Width of Jaw	Weight
	tons	mm	mm	mm	mm	mm	kg
12032A	0.5	7	8	48.5	34	12	0.06
12033A	0.75	9	10	56	40	13.5	0.11
12034A	1	10	11	63.5	46	17	0.16
12035A	1.5	11	13	74	51	19	0.22
12036A	2	13.5	16	89	58	22	0.42
12037A	3.25	16	19	110	75	27	0.74
12038A	4.75	19	22	129	89	31	1.18
12039A	6.5	22	25	144	102	36	1.77
12040A	8.5	25	28	164	118	43	2.58
12041A	9.5	28	32	185	131	47	3.66
12042A	12	32	35	201	147	51	4.91

### 3 Green Pin Standard Dee Shackles

Stock Code	Capacity	Body Dia	Pin Dia	Length	Width of Jaw	Weight
	tons	mm	mm	mm	mm	kg
11502A	0.5	7	8	41.5	12	0.05
11503A	0.75	9	10	50	13.5	0.09
11504A	1	10	11	59	17	0.14
11505A	1.5	11	13	68	19	0.19
11506A	2	13.5	16	81	22	0.32
11507A	3.25	16	19	97	27	0.54
11508A	4.75	19	22	112	31	0.87
11509A	6.5	22	25	134	36	1.34
115010A	8.5	25	28	154	43	2.08
115011A	9.5	28	32	167	47	2.77
115012A	12	32	35	180	51	3.72

### 4 Green Pin Standard Dee Shackles with Safety Bolt

Stock Code	Capacity	Body Dia	Pin Dia	Length	Width of Jaw	Weight
	tons	mm	mm	mm	mm	kg
12536A	2	13.5	16	81	22	0.39
12537A	3.25	16	19	97	27	0.67
12538A	4.75	19	22	112	31	1.08
12539A	6.5	22	25	134	36	1.66
12540A	8.5	25	28	154	43	2.46
12541A	9.5	28	32	167	47	3.40
12542A	12	32	35	180	51	4.51



# Dynamometers

A range of load link dynamometers and tension gauges to accurately measure the load during installation of conductor wires.

1

## Dynafor Industrial

- 1t to 20t capacity.
- Integral display.
- Up to 300 hrs battery life.



2

## Dynafor Pro

- 1t to 250t capacity.
- Available with or without remote display.
- Bluetooth connectivity to phone or tablet.
- Up to 1000 hrs battery life.



3

## Dynafor Expert

- 0.5t to 10t capacity.
- Available with or without remote display.
- Bluetooth connectivity to phone or tablet.
- Up to 1000 hrs battery life.
- Accuracy 0.1%.



## Dillon 5" (125mm) Analogue Tension Gauge

- 4000kg capacity.
- 25kg Increments.
- Supplied with shackles and case.
- Accuracy  $\pm 0.5\%$ .



### 1 Dynafor Industrial

Stock Code	Capacity	Accuracy	Weight
	tons		kg
WLM/401	1	$\pm 3$	0.75
WLM/402	3.2	$\pm 9.6$	0.93
WLM/403	6.3	$\pm 18.9$	1.44
WLM/404	12.5	$\pm 37.5$	3.22
WLM/405	20	$\pm 60$	4.95

### 2 Dynafor Pro (with HHD)

Stock Code	Capacity	Accuracy	Weight
	tons		kg
WLM/501	1	$\pm 0.2$	0.7
WLM/502	3.2	$\pm 0.2$	0.86
WLM/503	6.5	$\pm 0.2$	1.6
WLM/504	15	$\pm 0.2$	3.66
WLM/505	25	$\pm 0.2$	5.33

### 3 Dynafor Expert (with HHD)

Stock Code	Capacity	Accuracy	Weight
	tons		kg
WLM/601	0.5	0.1	2.3
WLM/602	1	0.1	2.3
WLM/603	2	0.1	2.3
WLM/604	3.2	0.1	2.3
WLM/605	5	0.1	3.35
WLM/606	6.3	0.1	3.35
WLM/607	10	0.1	6.45

# Overhead Line Equipment

## Live Line Tester

### Pfisterer KP-Test 5KL Voltage Detector

**Stock Code – WLL/102**

Robust, precise and easy-to-use Live Line Tester, critical to ensure the safety of workers whilst working on or near Overhead Lines.

This Network Rail Approved product is used to verify the lack of voltage prior to the commencement of work. It can be used in rain and snow and has a loud integrated audible signal for reliable voltage tests even on noisy sites.

- Self-test on activation.
- Visual and acoustic signals.
- Bright LEDs.
- Can be used in all weather conditions.
- Adaptor supplied to fit existing poles.
- 25kV – 50Hz.
- Class L as defined in IEC 61243-1.



Now available with optional transport case to provide optimum storage conditions and protection when transported to site.

**Stock Code – WLL/102 (box only)**



# Overhead Line Equipment

## Height Safety Equipment

We supply a variety of height safety products and have the expertise to assess specific requirements to ensure total safety when carrying out work on OHL. As well as fall protection products we can supply equipment to rescue personnel should a fall take place.

### The Working at Height Regulations 2005 Main points:

- Working at height, no longer means above 2 metres before PPE is required. The current regulations state "Where a person could fall a distance liable to cause personal injury".
- **Make sure you have done the following:**
  - Method Statement
  - Risk Assessment
- Have a rescue plan in place. Do NOT rely on the Emergency Services.
- Train people in the use of Fall Protection Equipment.
- Inspect Fall Protection Equipment (keep records).

### Fall Factors: Calculating the potential fall distance

When using a shock-absorbing lanyard, it is important to understand how to calculate the potential fall distance to avoid contact with lower level. The calculation below gives the minimum fall distance between the anchorage point of the lanyard and the lower level.

### This is calculated by allowing for:

- Twice the length of the lanyard (to allow for the length of the lanyard and the height of the worker).
- +1.75m deceleration distance to allow for elongation of the shock absorber and any give in the lanyard.
- +1m safety margin.
- TOTAL = 6.75m clearance required using a 2m lanyard.



### RGH 2 Multiple Use Harness

Complying to EN 361:2002

- Front & rear attachment points
- Fast fit buckles
- Rip-stitch fall indicators
- Fully adjustable



### RGH 4 Multiple Use Harness

EN 361:2002, EN 358:2018

- Front & rear attachment points
- Side D rings on the belt
- Ideal for fall arrest and work positioning
- Rip-stitch fall indicators
- Fully adjustable



### RGH 6 Deluxe Harness

EN 361:2002, EN 358:2018

- Front & rear attachment points
- Fold back side D rings
- 4 No tool loops
- Shoulder comfort pad
- Rip-stitch fall indicators
- Fully adjustable



### RGK42 Trauma Suspension Straps

Trauma straps help to prevent the effects of toxic shock if the user is left suspended. The leg straps of a harness can cause loss of circulation to the legs and feet in the event of a fall. Standing on these straps will relieve the pressure on the groin and release the tension within the webbing.

# Overhead Line Equipment

## Fall Arrest Devices

### Connectors



#### RGK1

Steel Screwgate Karabiner

- 17mm Opening
- Weight 160g



#### RGK2

Steel Twistlock Karabiner

- 17mm Opening
- Weight 192g



#### RGK5

Steel Twistlock Scaffold Karabiner

- 56mm Opening
- Weight 750g



#### RGK10

Steel Double Action Snap Hook

- 19mm Opening
- Weight 275g



#### RGK10

Aluminium Double Action Scaffold Hook

- 60mm Opening
- Weight 480g

### Lanyards



#### RGL1 Single Leg Webbing Lanyard & Shock Absorber

An industry standard, and usually the minimum equipment issued/required with a harness for anyone working at height.

- 1.4m (up to 140kg user)
- 1.8m (up to 100kg user)



#### RGL2 Kernmantle Rope Lanyard & Shock Absorber

This single leg fall arrest safety lanyard is produced using 11mm kernmantle rope with machine stitched connection eyes at each end.

- 1.4m (up to 140kg user)
- 1.8m (up to 100kg user)



#### RGL3 Twin Leg Webbing Lanyard & Shock Absorber

The extra leg allows progression between anchor points by means of double clipping, and also optimum safety by ensuring the user is always connected.

- 1.4m (up to 140kg user)
- 1.8m (up to 100kg user)



#### RGL12 Single Leg Webbing Restraint Lanyard

This single-leg work restraint safety lanyard is to be used when working in a fixed area away from an open edge with no risk of a fall.

- 1m, 1.3m, 1.8m (including connectors)



# Fall Arrest Blocks



## RGA1 Fall Arrest Block – 2.5m (Webbing)

The perfect personal issue fall arrest block for operatives working at height at a length of 2.5m.

The compact and lightweight design reduces the risk of trip hazards and makes it ideal for work in compact areas. The block has an almost instant lock-off in the event of a fall, and it recoils back into the casing when slack is introduced.

The connector comes with a built-in fall indicator to show when the block has experienced a fall and should be taken out of use.

This item must be used with a safety harness.



## RGA2 Fall Arrest Block – 10m

RGA2 Fall Arrest Block – 10m  
A popular multipurpose fall arrest block, which provides semi-permanent protection whilst allowing uninhibited movement during working activities.

A karabiner or anchorage slings can be used to connect the carrying handle to an anchorage point.

To make self-connecting to a safety harness easier we recommend using an extension strop (RGL4).

This item must be used with a safety harness.



## RGA3.3 WEB DEF Defender Fall Arrest Block – 3.3m (Webbing)

This 3.3m Defender fall arrest block has a webbing line which means it is exceptionally lightweight. It also comes with an aluminium swivel hook which has a fall indicator which allows users to know when the item has been part of a fall.

The Defender range as a whole offers a lighter more compact alternative to traditional fall arrest blocks, without losing any of their benefits. They have a sleeker design and top swivel to help with connection.

This item must be used with a safety harness.



## RGA4 Fall Arrest Block with recovery winch – 15m

A three-way retrieval block with the expected fall arrest capabilities, but with the added extra of an up/down winch mechanism. The recovery feature means operatives who have experienced a fall can be winched up or down to safety.

This fall arrest block must be backed up with a separate fall arrest system, and a rescue provision that is also separate to this device.

This item must be used with a safety harness.

# Site Handling Equipment

## Sleeper Lifting

A range of beams in various configurations to facilitate the lifting and transportation of sleepers on site or in storage yards. These beams are also used in conjunction with Road Rail Vehicles for laying sleepers at the correct spacing during track renewal processes. Beams can be fitted with standard Pandrol E Clip hook or Fastclip plate dropper chains.

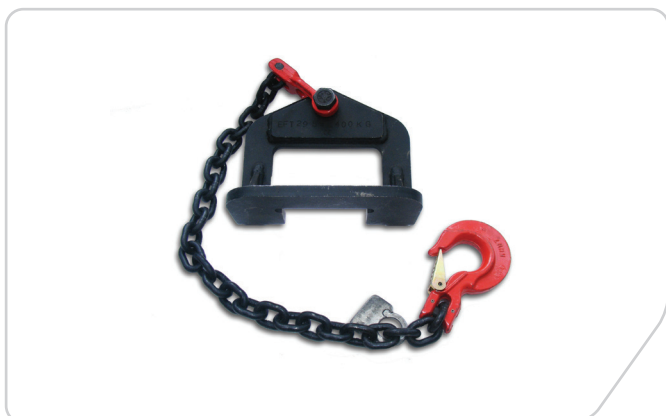
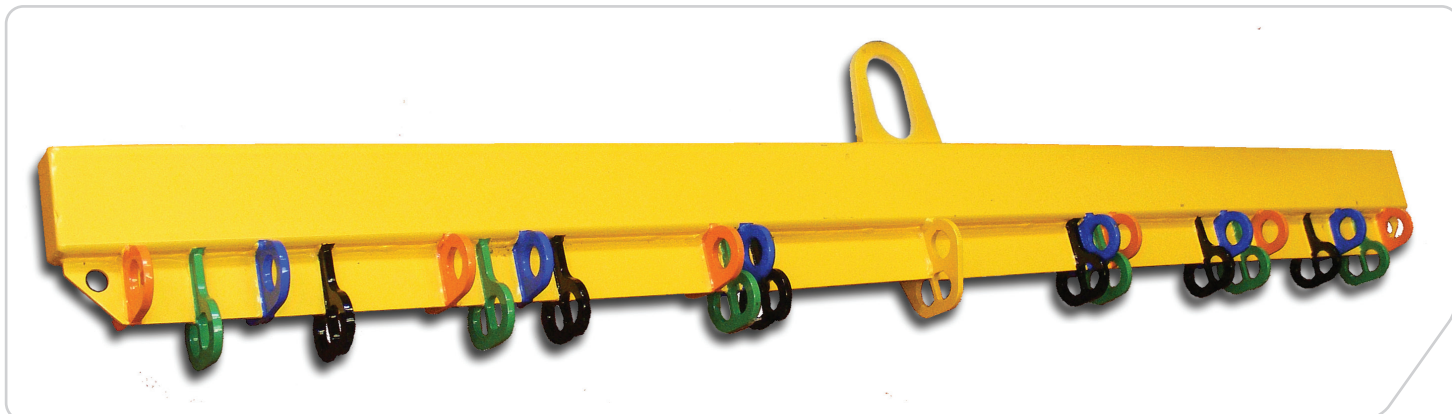
### Sleeper Lifting Beams

Our beams can be used to lift wooden, steel and concrete sleepers fitted with Pandrol E Clip and Fastclip housings. The standard range is available with fixed or adjustable dropper chain lifting centres and our special range is fitted with fixed multipoint lugs. This allows the laying of sleepers at various spacings without making any adjustments to the beam; saving time and ensuring the correct spacings are being used on site. All beams are fitted with a main central lifting eye and supplied in standard yellow. Our standard range of load/laying beams are fitted with dropper chain centres of 305mm.

Stoke Code	Item	Weight
WPH/201	26 Link Dropper Chain f/w Right Hand Pandrol Lifting Hook	2.6kg
WPH/202	26 Link Dropper Chain f/w Left Hand Pandrol Lifting Hook	2.6kg
WFC/201	26 Link Dropper Chain f/w Fastclip Lifting Plate	3.0kg
WSB/101	4 Sleeper Loading Beam	25kg
WSB/202	7 Sleeper Load/Laying Beam	47.5kg
WSB/203	7 Sleeper Multi Point Laying Beam	58kg

### WSB/101 & WSB/202 Beams

Dropper Chain Lifting  
Point Centres - 325mm





# Rail Handling

A wide variety of products for the lifting, transporting and inspection of rail, points and crossing components. This range includes clamps and bespoke lifting beams to suit individual requirements.

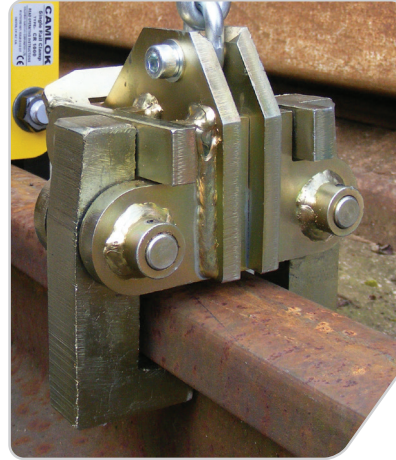


## Camlok CR1000 Rail Lifting Clamp

Stock Code - WRC/101

This proven design of clamp is designed to lift a wide range of rail profiles securely and safely. Can be fitted to Lifting Beams, Ironmen, Scooters and Road Rail Vehicles using a variety of adaptors, shackles or chain components.

**Capacity: 1000kg | Weight: 13kg**



## Universal Rail Lifting Clamp

Stock Code - WRC/104

A simple but robust lifting clamp, fitted with a manual positive locking gate. Fits most common rail profiles and used extensively on LUL Network.

**Capacity: 1500kg | Weight: 7kg**

## Rail Handling Beams

Rail handling beams are available in various configurations to allow the lifting of single and multiple lengths of rail. To allow use under OHL, these beams are manufactured with a central lifting eye but can be supplied with smaller eyes at each end to allow a double leg chain sling to be fitted. These beams are usually fitted with Camlok CR1000 rail clamps and are attached using a short chain assembly.



## Multi Rail Lifting Clamps

These are designed to rapidly lift large quantities of rail section. Used in pairs and in conjunction with a spreader beam these clamps can lift up to 12 lengths of rail at a time. Fitted with automatic double action safety locks. These clamps can only be used on one type of rail section; this should be advised when ordering.



## Single Rail Lifting Beams

### 3.5 Metre Lifting Beam

Stock Code – WRC/201

Lifts up to 9.1m (30ft) of rail section

Can be supplied with or without rail lifting clamps

### 7.5 Metre Lifting Beam

Stock Code – WRC/202

Lifts up to 18.3m (60ft) of rail section

Can be supplied with or without rail lifting clamps

# Lifting Equipment

## Chain Slings & Accessories

As standard, Grade 8 lifting slings are supplied but Grade 10 slings and products are available. These are available in various configurations to be used for general lifting purposes either on site, maintenance workshops and storage facilities. Lifting capacities are shown in the chart below.

If used correctly our slings offer a long service life with a high degree of safety. The working load limits stated on the EC Declaration of Conformity supplied with every chain sling have been determined on the basis that the loading of the chain sling is symmetrical (multi leg slings) and there are no particular hazardous conditions.

### Periodic Thorough Examination

Throughout the life of the chain sling it is recommended that an examination as per the requirements of Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) takes place. This can be as part of an agreed written plan agreed between a competent person and the owner of the sling.



		Single Leg	Two Leg		Three & Four Leg		Endless
			$0^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	$0^\circ < \beta \leq 45^\circ$	$45^\circ < \beta \leq 60^\circ$	
Chain dia. mm	Grade	Factor 1	Factor 1.4	Factor 1	Factor 2.1	Factor 1.5	Factor 1.6
7	8	1.5	2.12	1.5	3.15	2.24	2.5
7	10	2	2.8	2	4.2	3	3.2
8	8	2	2.8	2	4.2	3	3.2
10	8	3.15	4.25	3.15	6.7	4.75	5
10	10	4.0	5.6	4	8.4	6	6.4
13	8	5.3	7.5	5.3	11.2	8	8.5
13	10	6.7	9.5	6.7	14	10	10.7
16	8	8	11.2	8	17	11.8	12.5
16	10	10	14	10	21.2	15	16
19	8	11.2	16	11.2	23.6	17	18
19	10	14	20	14	30	21	22.4
23	8	16	23.6	16	35.5	25	26.5
23	10	21	29.5	21	44	31.5	33.5
26	8	21.2	30	21.2	45	31.5	33.5
26	10	27	38	27	57	40	43
32	8	31.5	45	31.5	67	47.5	50
32	10	40	56	40	85	60	65



# Ordering Chain Slings Made Easier

Order your Grade 8 Chain Sling on our website in 5 easy steps...



- Select the number of legs.
- Input the weight of load to be lifted.
- Input the leg length, or distance between the lifting points.
- Select the termination fittings.
- View your sling and instantly order online via our shop.

# Site & Work Lights

## Exin Light

The Exin Light series is a lighting solution based on the latest LED technology. Manufactured from ABS747 plastic this makes the range lightweight and durable, ideal for a wide range of applications.

Each unit is fitted with shock absorbing rubber to both the base and lid giving extra protection during normal use. Each head can be angled down by up to 60 degrees and can be retracted in to the base when not in use. The base also contains the battery along with a separate compartment which stores the 240v and 12v charger. A battery charge level indicator is also in the back of the base and a red LED warning light in the reflector head which shows when the battery is approximately 60 minutes from discharge. All the lights in the range are rated at IP65.



### Exin IN120LB DD

Stock Code: WEL/104

Weight	12.2kg
Closed Height	580mm
Open Height	1120mm
Lumens	1030 per side
Run Time One Side	30 hrs
Run Time Both Sides	15 hrs

### Exin TM120LB SS

Stock Code: WEL/102

Weight	11kg
Closed Height	600mm
Open Height	1100mm
Lumens	1030 per side
Run Time One Side	30hrs
Run Time Both Sides	N/A

# Workshop & Depot Equipment

## Hydraulic Jacks

### Tangye hydraulic jacks

Worlifts are the UK's leading Tangye hydraulic jack distributor, authorised Tangye Repair Centre and stockists of the full range of Tangye lightweight aluminium jacks. This series of jacks is lightweight, portable and reliable and can be used for a variety of tasks especially in rolling stock maintenance and repair depots.

#### Hydralite Jack

A large range of jacks designed to lift, lower, manover and position heavy loads with maximum safety. Manufactured from high strength aluminium alloy to create a lightweight lifting solution.



**Hydralite Plain Base Jack**

Stock Code	Model	Capacity (tonne)	Closed Height (mm)	Stroke (mm)	Weight (Kg)
WTJ/302	PS620	20	263	152	10.9
WTJ/303	PS1220	20	438	305	16.7
WTJ/304	PS630	30	263	152	15.4
WTJ/305	PS1230	30	451	305	23.4
WTJ/306	PS660	60	293	152	27.4
WTJ/307	PS1260	60	500	305	43.7
WTJ/308	P6100	100	313	152	49



**Hydralite Claw Jack**

Stock Code	Model	Capacity Head (tonne)	Capacity Claw (tonne)	Closed Height Head (mm)	Closed Height Claw (mm)	Weight with Claw (Kg)
WTJ/402	PS620C	20	8	276	67	14.5
WTJ/403	PS1220C	20	8	452	67	22.2
WTJ/404	PS630C	30	12	276	73	20.3
WTJ/405	PS1230C	30	12	470	73	31
WTJ/406	PS660C	60	24	327	73	43.1
WTJ/407	PS1260C	60	24	533	73	64.9



**Hydralite Screwed Ram Jack**

Stock Code	Model	Capacity (tonne)	Closed Height (mm)	Stroke (mm)	Weight (Kg)
WTJ/502	PS620S	20	289	152	10.9
WTJ/503	PS1220S	20	464	305	16.7
WTJ/504	PS630S	30	292	152	15.4
WTJ/505	PS1230S	30	479	305	23.4
WTJ/506	PS660S	60	330	152	27.4
WTJ/507	PS1260S	60	536	305	43.7
WTJ/508	P6100S	100	357	152	53



# Workshop & Depot Equipment

## Hydraulic Jacks



### Hydramite Jack

A powerful and compact jack, operates in any orientation making this series very versatile.

Stock Code	Model	Capacity (tonne)	Closed Height (mm)	Stroke (mm)	Weight (Kg)
WTJ/102	8104H	6.5	140	75	3.6
WTJ/103	1 105 002	10	182	115	6.3
WTJ/104	1 105 003	15	230	152	10



### Hydaclaw Jack

Robust jack with same lifting capacity on head and toe. Can be used horizontally and manufactured with wide stable base.

Stock Code	Capacity Head & Toe (tonne)	Closed Height Head (mm)	Closed Height Toe (mm)	Stroke (mm)	Weight (Kg)
WTJ/202	5	505	41	178	18

## Enerpac POW'R-RISER



### Enerpac POW'R-RISER Jacks

Stock Code	Model	Capacity (tonne)	Closed Height (mm)	Stroke (mm)	Weight (Kg)
	(240v-1ph - 50Hz)				
WPR/101	PREME06014L	54	610	356	177
WPR/102	PREME06027L	54	940	686	272
WPR/103	PREME10016L	90	660	406	231

136 & 181 ton models are also available as well as air driven units. Electric units are fitted with 6.1m pendant control cords, pneumatic 3.6m.



# Workshop & Depot Equipment

## Enerpac

### Enerpac Hydraulic Cylinders

Enerpac hydraulic cylinders are available in hundreds of different configurations. Whatever the industrial application... lifting, pushing, pulling, bending, holding... whatever the force capacity, stroke length, or size restriction Enerpac have a solution. A full Enerpac Catalogue is available from the sales office.

Cylinder Series	Capacity (ton)	Model	Closed Height (mm)	Stroke (mm)
RC TRIO - General Purpose	5	RC-55	216	127
	10	RC-102	121	54
		RC-106	248	156
		RC-1010	349	304
	15	RC-154	200	101
		RC-156	271	152
	25	RC-252	165	50
		RC-254	216	102
		RC-256	273	158
		RC-2514	476	362
	50	RC-506	283	159
RCS- Low Height	10	RCS-101	88	38
	20	RCS-201	98	45
	30	RCS-302	117	62
	45	RCS-502	122	60
	90	RCS-1002	141	57
RSM- Low Height	5	RSM-50	32	6
	10	RSM-100	43	11
	20	RSM-200	51	11
	30	RSM-300	58	13
	45	RSM-500	66	16
	90	RSM-1000	85	16
RCH - Hollow Plunger	12	RCH-121	55	42
	20	RCH-202	162	49
	30	RCH-302	178	64
	60	RCH-603	247	76
	95	RCH-1003	254	76

N.B Full Range of Cylinders viewable at [worlifts.co.uk/enerpac](http://worlifts.co.uk/enerpac).

# ENERPAC



### Enerpac Gauge Adaptor Assembly

Model Number	Male End NPTF	Female End 3/8" NPTF	Range Bar, PSI	
GA45GC	3/8" -18	CR400	0-700	0-10,000

45 Degree angle, slim and narrow design, Easy to fit in a broad range of systems, maximise controlled load movement, Glycerine dampened gauge with dual scale & Enerpac High-Flow female coupler CR400.



Cylinder Model	Capacity (ton)	Power Box Model	Stroke (mm)
RC-102	10	SCR102PGH	54
RC-206		SCR106PGH	156
RC-154	15	SCR154PGH	101
RC-156		SCR156PGH	152
RCS-101	10	SCL101PGH	38
RCS-201	20	SCL201PGH	45
RSM-100	10	SRS100PGH	11
RSM-200	20	SRS200PGH	11
RSM-300	30	SRS300PGH	13
RSM-500	50	SRS500PGH	16

### Enerpac Portable Power Box Sets

Enerpac Portable Power Boxes include a single-acting cylinder, a P-392 two-speed lightweight handpump, a GA45GC gauge assembly, a 1.8M length hose and couplers with a maximum operating pressure of 700 bar. A complete and ready to use hydraulic set that all fits inside its own smart and sturdy carry case.



# Workshop & Depot Equipment

## Enerpac

### Enerpac Hand Pumps

The Enerpac range of manual pumps includes high-pressure, 10,000 psi (700 bar) hydraulic hand pumps that are portable, durable and simple to use. These pumps are also equipped with safety features to provide dependable performance, while maintaining worker safety.

Hand Pump Range	Model	Pump Type	Usable Oil Capacity (cm3)	Max Handle Effort (kg)	Piston Stroke (mm)
Light Weight	P-391	Single Speed	901	38.6	25.4
	P-392	Two Speed	901	42.2	28.6
ULTIMA	P-39	Single Speed	672	39	25.4
	P-80	Two Speed	2,200	35	35

NB- More Hand Pumps available. Visit [worlifts.co.uk/enerpac](http://worlifts.co.uk/enerpac).



### Enerpac Hoses

Enerpac high pressure hydraulic hoses; thermo-plastic hoses for demanding applications and heavy-duty rubber hoses with rubber coating, designed for demanding applications featuring a 4:1 Safety Factor. These hoses exhibit low volumetric expansion under pressure to enhance the overall system efficiency.

Internal Diameter (mm)	Model Number	Hose End Assemblies and Couplers		Hose Length (m)
6.4	HC-7203	End One	End Two	0.9
	HC-7206	3/8" NPTF	CH604	1.8
	HC-7210			3.0
	HC-7220			6.1

NB- More hose sizes available. Visit [worlifts.co.uk/enerpac](http://worlifts.co.uk/enerpac).



### Enerpac Bolting Tools

Enerpac Bolting Tools offer the complete range of products, ensuring joint integrity in a variety of components. Whatever the requirement, be it, joint assembly, controlled tightening or joint separation, Enerpac products can supply a safe, accurate, and efficient solutions.



#### Products in the range include:

- Manual Torque Multipliers
- Square Drive Hydraulic Torque Wrenches
- Portable Torque Wrench Pumps
- Flange Alignment Tools
- Step-type Industrial Spreaders

### Hydraulic Nut Splitters

Ideal for the removal of corroded or seized nuts in many applications. Unique angled head design to ease operation with cutting heads that can be reground. These are supplied with a spare cutting head, spare head retaining bolt and Allen key. Fitted with CR400 Coupler.





# Workshop & Depot Equipment

## Norbar Torque Tools

### Industrial Torque Wrenches Adjustable – New Generation

- Robust construction, accurate to  $\pm 4\%$ .
- A large break angle reduces the possibility of over-torquing.
- Can be split and packed in two parts, a smaller transport package.
- A new comfortable handle guides the user's hand to the correct position.

Model	Part Number		Range		Length	Weight
	3/4"	1"	Nm	lbf.ft	mm	Kg
3AR-N	120101	120101.01	120 - 600	100 - 450	954	6
4AR-N	120110	120110.01	200 - 800	150 - 600	1214	6.7
5R-N	120115	120115.01	300 - 1000	200 - 750	1449	7.4
5AR-N	120118	12118.01	700 - 1500	500 - 1000	1764	9.6



### NorTorque®

The NorTorque utilises Norbar's proven mechanism and internal components and incorporates them into a purposeful and attractive torque wrench. Available as standard or tethered, for working at height.

- Accurate to  $\pm 3\%$ .
- Light and fast adjustment saves operator time and effort.
- "Push-through" ratchets allow torque control in both the clockwise and counter-clockwise directions.

Model	Part Number	Drive	Range		Length	Weight
			Nm	lbf.ft	mm	Kg
60	130101	3/8"	12 - 60	10 - 45	328	0.7
100	130103	1/2"	20 - 100	20 - 80	375	0.8
200	130104	1/2"	40 - 200	30 - 150	459	1.0
300	130105	1/2"	60 - 300	45 - 220	587	1.4
340	130106	1/2"	60 - 340	45 - 250	679	1.6



### Professional Torque Wrench

The Professional range has become one of the most popular available worldwide. However, this new version has been re-engineered and now provides new and improved features to increase user satisfaction and prolong the life of the wrench and reduce ownership costs. Fitted with Timestrip® which gives a visual indication that the wrench is due for calibration. Available in dual scale, Nm only or lb ft only and "Mushroom" head or Reversible ratchets.

- Accurate to  $\pm 3\%$ .
- Large scale for better visibility and more accurate setting.
- Timestrip feature, visual indication that the wrench is due for re-calibration.

Model	Drive	Part No Mushroom Head	Part No Reversible Ratchet	Range		Length Mushroom Head	Length Reversible Ratchet	Weight Mushroom Head	Weight Reversible Ratchet
				Nm	lbf ft	mm	mm	kg	kg
Pro 50	3/8"	15002	15012	10 - 50	7.5 - 37.5	335	327	0.7	0.69
Pro 100	1/2"	15003	15013	20 - 100	15 - 75	387	327	0.94	0.69
Pro 200	1/2"	15004	15014	40 - 200	30 - 150	470	367	1.07	0.76
Pro 300	1/2"	15005	15015	60 - 300	50 - 220	593	367	1.42	0.76
Pro 340	1/2"	15006	15016	60 - 340	50 - 250	685	466	1.48	1.04
Pro 400	3/4"	15007	1517	80 - 400	60 - 300	686	466	1.93	1.04



# Workshop & Depot Equipment

## Norbar Torque Tools

### NorTronic® Electronic Torque Wrench

The NorTronic® is an electronic torque and angle wrench capable of measuring, displaying, storing and transmitting test results and receiving configuration settings from TDS (Torque Data System) PC software via a USB or wireless interface. Two full-colour OLED displays positioned at 90° to each other for visual indication both horizontally and vertically. Rated at IP44 against dust and water ingress.

Model	Drive	Part No	Range	Length	Weight
			Nm	mm	kg
NorTronic 50	⅜"	43500	5 - 50	468	1.20
NorTronic 50	½"	43501	5 - 50	468	1.20
NorTronic 200	½"	43502	20 - 200	593	1.45
NorTronic 330	½"	43503	30 - 330	808	1.89
USB Adaptor (868 MHz)		43508			



### ProTronic® Electronic Torque Wrench

The ProTronic is a high-precision torque wrench with a large backlit LCD display, that measures accurate and consistent torque readings. It also features an audible buzzer when a pre-set torque/angle value is reached.

Model	Drive	Part No	Range	Length	Weight
			Nm	mm	kg
ProTronic 100	⅜"	130517	5 - 100	458	1.15
ProTronic 100	½"	130518	5 - 100	462	1.30
ProTronic 200	½"	130519	10 - 200	650	1.65
ProTronic 340	½"	130520	17 - 340	749	1.85



### HandTorque Compact Series Torque Multiplier

- Compact to allow excellent access to applications.
- Lightweight for torque capacity.
- Supplied as standard with aluminium reaction arm.
- Torque multiplication accuracy ±4%.
- Supplied with calibration certificate allowing the accurate calculation of input torque.

Compact Series	Part No	Drive Input	Drive Output	Anti Wind-up	Maximum Torque	Weight
					Nm	kg
HT-52/4.7	180200	½"	¾"		1000	1
HT-52/22.2	180201	⅝"	¾"		1000	1.3
HT-52/22.2	180202	½"	¾"		1000	1.4
HT-52/22.2 AWUR	180203	⅝"	¾"	✓	1000	1.4
HT-52/22.2 AWUR	180204	½"	¾"	✓	1000	1.4
HT-52/22.2 AWUR	180205	⅝"	1"	✓	1000	1.4
HT-52/22.2 AWUR	180206	½"	1"	✓	1000	1.4
HT-72/5.2	180208	½"	1"		1500	2.7
HT-72/5.2	180209	¾"	¾"		1000	2.7
HT-75/5.2	180210	¾"	1"		2000	2.7
HT-72/27	180212	½"	1"		2000	2.7
HT-72/27 AWUR	180214	½"	1"	✓	2000	3.2
HT-92/25 AWUR	180215	½"	1"	✓	4000	5.4
Ht-119/25 AWUR	180216	½"	1½"	✓	7000	9.3



# Norbar Torque Tools

## EvoTorque Battery Torque Tool (EBT) - Network Rail Approved

The EBT is a transducer-controlled battery-powered torque tool designed for accurately applying torque to threaded fasteners. The unique 'intelligent joint sensing' technology continually measures the joint during tightening and when necessary, employs dynamic braking to avoid torque over-shoot due to motor inertia, consistently achieving highly accurate results of up to  $\pm 3\%$  of setting. Uses a powerful motor coupled with either a single-speed or auto two-speed gearbox for rapid joint completion times.

EBT comes supplied as standard with complimentary PC software "EvoLog" for data management and tool configuration. EBT also offers great flexibility in connection possibilities as it can be interfaced with third-party production control software.

- 18v, 5.0Ah battery and efficient motor give outstanding performance per charge
- "Safe to start" button ensures hands are safely positioned at start up
- OLED display ensures visibility in all conditions
- High-powered LED to illuminate application
- Accurate to  $\pm 3\%$  of setting
- 3,000 reading memory, time and date stamped
- Clear indication of successful joint application
- USB and Bluetooth® 4.0 data transfer (also called Bluetooth® Smart)
- 12 user IDs can be downloaded to the tool and results can be stored against individual users
- Kits supplied with hard case, 2 no batteries and 240v charger



### Single Speed - "Safe to Start" models

Part Number	Drive	Range		Tool Weight
		Nm	lbf.ft	Kg
180349	¾"	160 - 800	118 - 600	3.7
180445	1"	200 - 1350	150 - 1000	5.7
180541	1"	400 - 2700	295 - 2000	5.9
180637	1"	800 - 4000	590 - 2950	7.9

### Auto Two Speed - "Safe to Start" models

Part Number	Drive	Range		Tool Weight
		Nm	lbf.ft	Kg
180469	¾"	338 - 1350	250 - 1000	5.9
180565	1"	200 - 1350	499 - 2000	6.8
180661	1"	1000 - 4000	738 - 2950	8.3

### Single Speed - Single Trigger models

Part Number	Drive	Range		Tool Weight
		Nm	lbf.ft	Kg
180850	¾"	160 - 800	118 - 600	3.7
180898	1"	200 - 1350	150 - 1000	5.7
180946	1"	400 - 2700	295 - 2000	5.9
180994	1"	800 - 4000	590 - 2950	7.9

### Auto Two Speed - Single Trigger models

Part Number	Drive	Range		Tool Weight
		Nm	lbf.ft	Kg
180922	1"	338 - 1350	118 - 600	5.9
180970	1"	676 - 2700	150 - 1000	6.8
181018	1"	1000 - 4000	295 - 2000	8.3

**NetworkRail**

Approved Product



# Workshop & Depot Equipment

## Pneutorque Pneumatic Torque Multipliers

The PneuTorque consists of a robust air motor driving a Norbar multiplier with three or more stages of epicyclic gearing. Torque control is achieved by adjustment of the air pressure. An air pressure versus torque graph and calibration certificate is supplied with each tool and allows specific torque values to be set.

PneuTorque operation is quiet, less than 85 dB(A) without any impacting and accurate to  $\pm 5\%$ . These units are comfortable for the operator to use, reducing fatigue and consequently increasing safety.

### Pneutorque PTM Series



**PTM-52 Series – Stall Tools – Bi-Directional**

Model	Part No	Drive	Range		Weight
			Nm	lbf.ft	
PTM-52-500-B	18100.B06	3/4"	100 - 500	74 - 370	41
PTM-52-800-B	18101.B06	3/4"	160 - 800	118 - 590	41



**PTM-72 Series – Stall Tools – Bi-Directional**

Model	Part No	Drive	Range		Weight
			Nm	lbf.ft	
PTM-72-1000-B	18102.B06	3/4"	200 - 1000	147 - 738	6.1
PTM-72-1350-B	18103.B08	1"	270 - 1350	200 - 1000	6.1
PTM-72-2000-B	18104.B08	1"	400 - 2000	295 - 1475	6.5



**PTM-80, PTM-92 & PTM-119 Series – Stall Tools – Bi-Directional**

Model	Part No	Drive	Range		Weight
			Nm	lbf.ft	
PTM-80-2700-B	180296.B08	1"	540 - 2700	400 - 2000	7.5
PTM-92-4000-B	18159.B08	1"	800 - 4000	590 - 2950	8.5
PTM-92-4000-B	18159.B12	1 1/2"	800 - 4000	590 - 2950	8.5
PTM-119-4500-B	18108.B12	1 1/2"	900 - 4500	660 - 3300	13.3
PTM-119-6000-B	18109.B12	1 1/2"	1200 - 6000	885 - 4425	13.3

### Lubro Control Unit

Torque control is achieved by adjustment of the air pressure feeding the PneuTorque. An air pressure versus torque graph is supplied with each tool which allows specific torque values to be set. The Lubro Control Unit is Norbars filter, regulator and lubricator. Supplied with a 3m hose and a 100mm pressure gauge for accurate torque setting.



# Manual Handling

A large range of products to provide solutions to many manual handling problems within rolling stock maintenance depots and workshops.

## Pallet Trucks

- Capacities up to 5 tonne
- Fork widths from 470mm to 850mm
- Fork lengths from 940mm to 1220mm
- Maintenance free wheel bearings

### Options include:

Parking Brake, Weigh Scales, Low height forks



## High Lift Pallet Trucks

- 1 tonne capacity
- Lift height 800mm
- Lowered height 85mm
- Fork width 540mm
- Fork length 1150mm



## Trolley Lifts

- Capacity 400kg
- Lift Heights 850mm to 1200mm
- Platform width 550mm
- Platform Length 650mm



## Scissor Lift Tables

- Capacities up to 750kg
- Lift heights 720mm to 1330mm
- Platform widths 450mm to 510mm
- Platform lengths 700mm to 1000mm
- Closed heights 220mm to 420mm



## Hydraulic Hand Stackers

- Capacities 500kg & 1000kg
- Lift heights 900mm & 1600mm
- Fork width 570mm
- Fork lengths 1150mm & 1122mm



## Electric Pallet Trucks

- Capacities 1500kg & 2200kg
- Fork Width from 520mm to 560mm
- Stroke 115 & 120mm
- Travel Speed with Load 4.2km/h to 5.8km/h
- Weight with Battery 165kg to 525kg

# Hegenscheidt – MFD

## Re-railing System

Worliffs are the Sole UK agents for Hegenscheidt-MFD Re-Railing equipment and associated products.

Hegenscheidt-MFD jacks, or MFD jacks as they are widely known, are a double-acting hydraulic re-railing system used worldwide to re-rail all types of rail vehicles and rolling stock. The system is lightweight, robust, reliable and very safe and can be operated by one person via a control panel situated away from any potentially hazardous areas.

The system has been specifically designed to be modular and depending on how the component parts are assembled, any rail vehicle: - Tram, Underground, Railway Carriage, Locomotive, Traction Unit or Smelting Plant Vehicle can be up righted and re-railed. A typical kit is made up of a drive Pump, Control Unit, Hose Sets, Jacks, Bridges, Roller Carriages, Displacing Jack, Counter Supports and distance Bar.

### The new TH-30 lifting Jack Series:

This latest design has seen up to a 20% reduction in weight compared to the previous range, providing easier handling and positioning, and reducing fatigue of the user. This series of jacks has an integrated base plate for greater stability and can be used on an incline of up to 6 degrees. Although lighter, these jacks are very robust and durable which significantly reduces maintenance costs.

#### TH-30 400 Series Jacks

Part No	04-1042 TH-30	04-2042 TH-30
Closed Height	250mm	450mm
No of Pistons	2	2
Total Stroke	220mm	589mm
Stroke I	116mm	299 mm
Stroke II	104mm	290mm
Effective force I	429kN	429kN
Effective force II	191kN	191kN
Oil capacity	2.4L	6.2L
Bottom flange dia	295mm	295mm
Weight	27 kg	38.7kg



#### TH-30 600 Series Jacks

Part No	04-1062 TH-30	04-2062 TH-30
Closed Height	250mm	425mm
No of Pistons	2	2
Total Stroke	195mm	500mm
Stroke I	103mm	250mm
Stroke II	92mm	250mm
Effective force I	641N	641kN
Effective force II	312N	312kN
Oil capacity	3.3L	8.1L
Bottom flange dia	295mm	295mm
Weight	33kg	46.6kg



#### TH-30 1200 Series Jacks

Part No	04-1122 TH-30	04-2122 TH-30
Closed Height	250mm	420mm
No of Pistons	2	2
Total Stroke	188mm	500mm
Stroke I	95mm	250mm
Stroke II	93mm	250mm
Effective force I	1246kN	1246kN
Effective force II	642kN	6421kN
Oil capacity	6L	16L
Bottom flange dia	375mm	375mm
Weight	53.2kg	76.7kg





# Re-railing System

## Pump Units

These pump units combine the latest technology and are easily transported. Equipped with modern petrol engines or electric motors they provide superior power for fast and safe operation with lifting or pushing jacks.



Pump Units		
	Petrol	Electric Motor
Part No	02-4000	04-8000
Power	8.1kW	5.5kW
Output	10.8L per min	8.5L per min
Oil Capacity	70L	70L
Useable capacity	63L	63L
Length	825mm	825mm
Width	470mm	565mm
Height	854mm	854mm
Weight (excluding oil)	87kg	113kg

## Control Unit

The latest control unit is compact with a removable tripod which is adjustable in height and can be folded for easy and space-saving transportation and storage.

It is now possible to carry out synchronised lifting with just one lever which improves safety during the re-railing operation.

**Control Unit**  
Part Number 02-2004  
Weight - 25kg

**Tripod**  
Part Number 03-9001  
Weight - 14kg



# Hegenscheidt – MFD

## Re-railing System

### Equipment for lateral displacement

Lateral displacement equipment allows the lifted derailed vehicle to be moved until it is precisely aligned with the track before being lowered back into the correct position.

#### Re-railing Bridges

Re-railing Bridges are hollow extruded sections of high-strength light metal alloy. All bridges can be joined together with a steel coupling. Bridges are equipped with retractable handles to assist with positioning and transport, the top surface has drilled holes to accommodate the Counter Support and Displacing Jack.

##### Re-railing Bridges

Part No	Capacity	Capacity Fully Supported	H x L x W	Weight
05-2450	600kN	1200kN	180 x 4500 x 280mm	175kg
05-2330	600kN	1200kN	180 x 3300 x 280mm	128kg
05-2225	600kN	1200kN	180 x 2250 x 280mm	88kg
05-2120	600kN	1200kN	180 x 1200 x 280	47kg

Reduced height bridges are available with capacities of 100kN



#### Roller Carriages

Roller Carriages are used for traversing the load on the Re-railing Bridge. Rollers fitted with maintenance-free bearings permit easy lateral movement. Available with or without rotating and sliding plates.

##### Roller Carriages

Part No	Type	Height without plate	Height with plate	Weight
05-1015	150kN without plate	66mm	-	18kg
05-1016	150kN with plate	66mm	101mm	30kg
05-2061	600kN without plate	108mm	-	58kg
05-2062	600kN with plate	108mm	140mm	82kg
05-2121	1200kN without plate	108mm	-	70kg
05-2122	1200kN with plate	108mm	140mm	94kg



## Full Aftersales Services



As you would expect from a dedicated agent, Worliffs supports all sales:

- Supply of spare parts & ancillary items
- Preventative maintenance schemes
- On-site inspection, test & recertification
- Repair & refurbishment
- All engineers OEM trained





# HydraHire Division

## Your Solution for Hydraulic Equipment Rentals!

### Introducing the Worliffs HydraHire Brochure!

Don't miss the opportunity to explore the Worliffs HydraHire Brochure and discover how our hydraulic equipment can elevate your projects to new heights. Request your brochure today and experience the Worliffs difference!

Or you can read the full brochure on our website:

[www.worliffs.co.uk/hire](http://www.worliffs.co.uk/hire)

Our HydraHire division is dedicated to hiring out the best and most modern tools to clients who need a temporary injection of specialised equipment.

The sheer range of items we supply is matched only by the quality of the manufacturers we work with, and when a business hires from Worliffs they can be certain of working with the latest equipment from industry leading names such as Enerpac, Tange and Norbar.

The range and quality of the equipment we supply is matched by the expertise of the Worliffs team itself. If you're not sure exactly what kind of equipment you need then simply explain the task in hand to a member of our team and they'll be able to point you in the right direction. After more than 40 years in the industry there's no such thing as a problem we haven't dealt with before.

**Our fleet of hydraulic equipment includes hydraulic torque equipment, heavy duty hydraulic jacks and hydraulic jacking equipment including cylinders and hand pumps.**

We also hire out electric and pneumatic pumps, valves, manifolds, hoses and pressure gauges, as well as specialist items such as Tange Aluminium Toe Jacks and Norbar electric, pneumatic and battery operated torque tools.

Our position as market leaders in the hydraulic tool hire sector is underlined by our provision of the latest and most innovative products. From battery driven hydraulic pumps to lightweight aluminium cylinders and battery operated torque wrenches, we supply the best and latest solutions, enabling our clients to work quickly and safely with the best tools available on the market right now.





# Equipment Repairs & Testing

## Workshop Services

To support the sales of rail specific equipment we provide a comprehensive repair facility where inspection, testing and repairs to a wide range of products are carried out in fully equipped modern workshops.

We have expertise in the following products:

- Mechanical Track Jacks
- Hydraulic Track Jacks
- Stressing Equipment
- Stressing Hydraulic Power Packs
- Rail Trolleys
- Ironmen
- Rail & Sleeper Lifting Equipment
- Loose Lifting Equipment & Lifting Products
- Hand Tools
- Manual & Hydraulic Torque Wrenches

Our dedicated workshop engineers are vastly experienced in working on small railway plant and equipment and are backed up by large stocks of OEM spares and facilities which include:

- Heated Chemical Cleaning Tanks
- Shotblast Equipment
- Hydraulic Test Machines
- Welding & Machining Plant
- Spray Paint Booth

All equipment is assessed and a quotation provided free of charge and all our repairs are covered by a comprehensive warranty. We can provide customised service and repair packages which including fixed price schedules which can assist our customers in controlling their long term repair costs.

On the return of repaired equipment, our customers are provided with the relevant certification to ensure full compliance with LOLER & POWER legislation.

Incorporated within our workshop, we have installed a range of sophisticated test equipment to provide the accurate testing of rail specific plant as well as standard lifting equipment and loose lifting products.

Standard test equipment includes:

- Dynamic Hydraulic Jack Testing Machines
- Dynamic Mechanical Jack Testing Machines
- Dynamic Lifting Equipment Testing Rigs
- Calibrated Proof Load Test Weight
- Calibrated Load Measuring Equipment
- Calibrated Pressure Measuring Equipment
- Calibrated Brake & Insulation Testing Tools

Specialist test equipment:

- Purpose Built Test Track Area
- Hand Arm Vibration Testing Meters (HAVS)
- Calibrated Bolt Load Meters (BLM)
- Portable Appliance Testers (PAT)





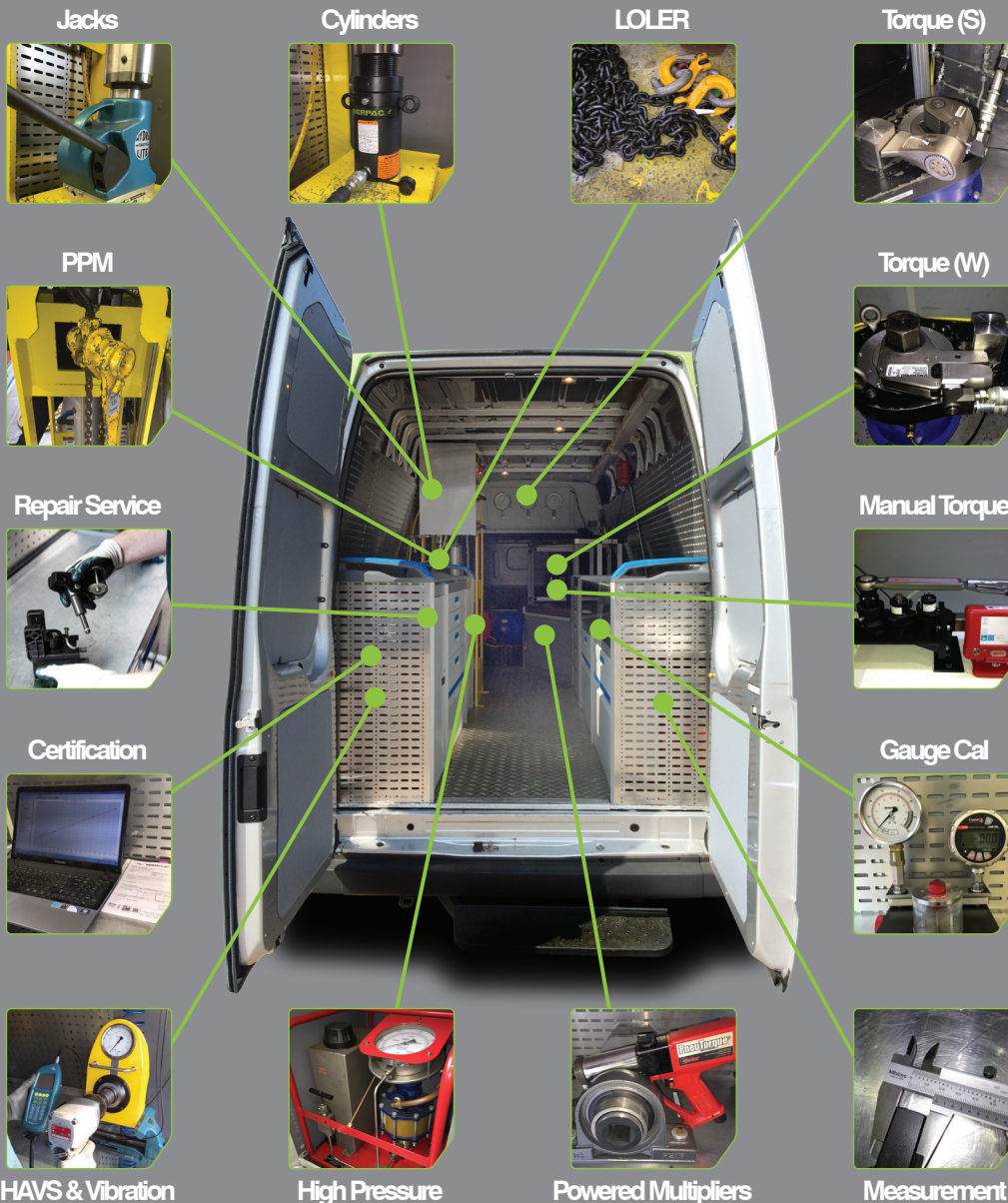
# On-Site Services

Unique to the UK Rail Industry, we developed a fleet of specialist on-site testing vehicles which are fully equipped with dynamic testing machines and load measuring equipment to carry out thorough examinations and tests on various items of rail specific small plant and lifting products.

With safety being paramount within the industry, this national service enables the client to ensure his equipment is inspected and tested to current statutory regulations and rail industry requirements with minimum disruption and down time.

All our engineers are fully competent and trained to test and repair all leading brands of plant and all equipment used to carry out the test procedures is traceable back to national standards.

Should faults be found during the inspection or test process, these can be rectified and minor repairs carried out as a number of common spares and consumables are stocked within the test vehicle.



## Key Features:

- Equipment remains on site
- Fast same day certification
- On-line access to certification
- Eliminates transport costs
- No equipment downtime - reduces additional hire or purchase costs
- Clear billing - known costs up front
- Reduces CO2 emissions - less equipment movement

## Equipment Certified:

- Dynamic load testing of Mechanical Ratchet Jacks
- Dynamic load testing of Hydraulic Jacks
- Dynamic load testing of Stressing Cylinders
- Dynamic load testing of Tirfor Winches & Pulling Machines
- Static functional testing of Rail Clamps
- Static functional testing of Bowthorpe Wedges & Bodies
- Thorough Examination of Rail & Sleeper Lifting Beams
- Thorough Examination of Height Safety Equipment
- Thorough Examination of Loose Lifting Equipment

## Specialist Services:

- Torque Wrench Calibration
- Pressure Gauges
- Verniers and Micrometers
- Tensile and Compression Load Cells
- Test Machine Calibration
- Asset Management
- Preventative Maintenance
- Technical Support

# WORLIFTS

“join the journey”

## Rail Division

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**National coverage with support  
for all products and services**