

Welding /Grinding/Weld Inspection

- Abrasives
- Equipment
- Gauges
- Tools
- PPE



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CONTENTS


Welding / Grinding Gauges	5
Mould Alignment Gauge Set.....	5
Rail Head Depth Gauge.....	5
Rail Wear Gauge	5
Rolling Contact Fatigue Grinding Gauge Set.....	6
Square – Welders’ Extended	6
Square – Welders’.....	6
Stepped Flashing Gauge	7
Straight Edge – Welders’/Weld Inspectors’.....	7
Straight Edge – Welders’/Weld Inspectors’ Replacement Yellow Polyethylene Storage Box.....	7
Straight Edge – 4 Nibbed for Dipped/Battered Joints	8
Switch Blade Angle Gauge with Taper Gauge	8
Taper Gauge Graduated 0.5-20mm (supplied with Switch Blade Angle Gauge) also available separately	8
Taper Gauge Graduated 0.3-4mm.....	9
Taper Gauge Peaked and Dipped	9
Taper Gauge Welders’ ‘GO’	9
Weld Combination Gauge.....	10
Welding Gauge Calibration Equipment	11
Master Straight Edge	11
Master Straight Edge Support Stand	11
Master Feeler Gauge Set	11
Master Engineers' Square.....	12
Rail Wear Gauge Calibration Block.....	12
Rail Head Depth Gauge Calibration Block	12
Welding Equipment	13
Abrasive Linishing Belts	13
Adjustable Wrenches.....	13
Aluminium Storage Boxes.....	14
Aluminium Storage Box with Partitions.....	14
Cooper Wedge Plates	14
3M Cubitron II Grinding / Cutting and Fibre Discs.....	15


Documentation / Rail Cutting Disc Protective Bag	16
Files	16
Gas Cylinder Combination Spanner	16
Gas Cylinder Support Frame	17
Gas Cylinder Trolley	17
Hammers	18
Heatshield Gel.....	18
Hot Mats	18
Hot Pans.....	19
Inspection Mirror.....	19
Rail Cutting Discs	19
Ratchet Lever Clamps for Matweld Grinding Frame	20
Rules and Tapes	20
Scriber – Carbide Tipped	20
Spark Gun	21
Stopwatches	21
Surface Marking – Ball Paint Markers	21
Surface Marking – Cold Surface Marker	22
Thermometers	23
Torch.....	23
Wedges	24
Weld Crucible Extension Piece	24
Welders’ Non-conductive Umbrella and Umbrella Support Clamp	24
Wire Scratch Brushes.....	25
Weld Inspection.....	26
Weld Inspection Kit.....	26
Chalk	27
Engineers’ Rule	27
Feeler Gauge Set.....	27
Hammers	28
Hand Stamps for Weld Inspection	28
Inspection Mirror.....	28
Nozzle Cleaners.....	29
Rail Wear Gauge	29
Scriber – Carbide Tipped	29
Square – Welders’	30
Stepped Flashing Gauge	30


Straight Edge – Insulated – Weld Inspectors’	30
Straight Edge – Welders’/Weld Inspectors’	31
Replacement yellow polyethylene storage box	31
Straight Edge Support Set.....	31
Tape Measure	32
Taper Gauge Graduated 0.3-4mm.....	32
Taper Gauge Peaked and Dipped	32
Taper Gauge Welders’ ‘GO’	33
Tool Bag – Heavy Duty.....	33
Torch.....	33
Weld Alignment Inspection Gauge complete with checking block	34
Replacement Checking Block only	34
Weld Combination Gauge.....	34
Weld Inspection Gauge Set – Insulated.....	34
Wire Scratch Brushes.....	35
Pre Heater Checking Equipment	36
Checking Equipment for Thermit Preheaters.....	36
Crossing Inspection.....	37
Crossing Inspection Gauges.....	37
Welding PPE	38
Anti Vibration Gloves.....	38
Hearing Protection.....	38
Heat Resistant Gauntlets	38
Respirators and Filters.....	39
Safety Goggles	39
Contact Details	40


Products may change without prior notice, please check with our Sales Office for up-to-date information


Welding / Grinding Gauges


<p>Mould Alignment Gauge Set</p> <p>Mould Alignment Gauge Set for the Thermit SkV-E process Mould Alignment Gauge Set for the Thermit SkV-F process</p>	<p>Part Number URLT/002716 Part Number LT/RG/42</p>
<p>To assist in centralising and vertically setting Thermit moulds</p>	


<p>Rail Head Depth Gauge</p>	<p>Part Number 0046/035046</p>
<p>The development of the gauge follows the introduction of the Thermit® head repair (HRW) process. The gauge enables the depth of material remaining in the head section to be established. The measurement is then compared to the depth of the defect previously measured ultrasonically. This enables the engineers to then establish if there is sufficient material remaining in the head of the rail to allow the use of the HRW process to remove the defect and repair the rail.</p>	


<p>Rail Wear Gauge</p>	<p>Part Number 0039/028152</p>
<p>Used to verify the amount of wear on the head of the rail. Also used by welders to establish the correct mould selection.</p> <p>Used for checking wear in rail types:-</p> <p>Bull Head : 95 Flat Bottom : 80A, 98,109,110A,113A, and UIC60</p> <ul style="list-style-type: none"> • Measuring range = 0-21mm in 1mm increments • Supplied with top and bottom stabilising feet to ensure correct alignment • Zinc coated for corrosion protection • Supplied in a leather wallet 	


Rolling Contact Fatigue Grinding Gauge Set	Part Number URLT/003187
<p>The Rolling Contact Fatigue Grinding Gauge Set is used to measure accurately the rail vertically and the gauge corner at 45°. Operators can now evaluate quickly the amount of material that is removed during the grinding process, either from the head of the rail or from the gauge corner and therefore help to eliminate the risk of removing too much material.</p>	 A photograph of a blue foam-lined carrying case for a grinding gauge set, resting on a bed of dark gravel. The case is open, revealing several metal gauges and tools neatly arranged inside.

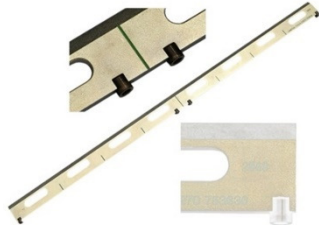
Square – Welders' Extended	Part Number URLT/003904
<p>To set preheaters and align moulds for the Railtech welding process.</p> <p>Blade dimensions: 275mm long x 25mm wide x 2mm thick Stock dimensions: 131.5mm long x 25mm wide x 10mm thick</p>	 A photograph of a long, thin, L-shaped metal square tool. The tool is made of polished metal and has a small engraved label on the shorter leg that reads 'LAWTON TOOLS' and '2000 1000 2008'.


Square – Welders'	Part Number URLT/001537
<p>To check the squareness of the ends of rail prior to welding and aligning alumino thermic moulds. Also used by weld inspectors to check the alignment of the welds.</p> <p>Blade dimensions: 181mm long x 19mm wide</p>	 A photograph of a shorter, L-shaped metal square tool, similar in design to the extended version but smaller in size.


Stepped Flashing Gauge	Part Number URLT/002697
<p>To check for excess flashing around the weld collar.</p> <p>Stepped in 1mm, 2mm and 3mm increments.</p>	


Straight Edge – Welders’/Weld Inspectors’	Part Number 0046/035302
<p>Used by both welders and weld inspectors for checking the alignment of rail sections, either prior to or after the welding / grinding processes.</p> <ul style="list-style-type: none"> • Nib height = 1.5mm +/- 0.05 • Nibbed edge and bevelled edge • Dimensions: 1016mm long x 50.0mm high x 8.0mm thick • 7 engraved check positions • Individual serial number for asset tracking / periodic calibration recording • Zinc coated for corrosion protection • Supplied with certificate of conformity • Supplied in a yellow polyethylene protective storage box 	


Straight Edge – Welders’/Weld Inspectors’ Replacement Yellow Polyethylene Storage Box	Part Number URLT/004258
<p>Replacement polyethylene storage box for straight edge.</p>	

Straight Edge – 4 Nibbed for Dipped/Battered Joints	Part Number 0039/025024
<p>For checking alignment of dipped and battered joints.</p> <ul style="list-style-type: none"> • Outer nib height = 6.0mm +/- 0.05 • Inner nib height = 4.5mm +/- 0.05 • Dimensions: 1016mm long x 50.0mm high x 8.0mm thick • 7 engraved check positions • Individual serial number for asset tracking / periodic calibration recording • Zinc coated for corrosion protection • Supplied with certificate of conformity • Supplied in a yellow polyethylene protective storage box (LT/RG/44BOX) 	
Switch Blade Angle Gauge with Taper Gauge	Part Number 0057/048780
<p>Used for checking the angle on switchblades. Supplied with stainless steel protractor and graduated depth marker. Also supplied with a taper gauge graduated from 0.5-20mm x 0.5mm increments. Used to measure hogging in the slide pads.</p>	
Taper Gauge Graduated 0.5-20mm (supplied with Switch Blade Angle Gauge) also available separately	Part Number URLT/017338
<p>Taper gauge graduated from 0.5-20mm x 0.5mm increments supplied with Switch Blade Angle Gauge. Used to measure hogging in the slide pads. Can also be used for measuring other gap clearances.</p> <ul style="list-style-type: none"> • Clear engraved markings • Zinc coated for protection against corrosion • Overall dimensions 227mm long x 12mm wide x 20mm (Highest) 	

Taper Gauge Graduated 0.3-4mm	Part Number URLT/005309
Protective Wallet	Part Number 0111/103838
<p>Used with welders straight edge to check and measure the flatness of the head of the rail.</p> <p>One side reads from 0.010" to 0.150" x 0.001" and the other from 0.30mm to 4.00mm x 0.05mm.</p>	

Taper Gauge Peaked and Dipped	Part Number URLT/002717
<p>Used with welders' straight edge to easily verify whether the head of the rail is flat, peaked or dipped.</p> <p>Used by Weld Inspectors in conjunction with a nibbed straight edge to verify quickly and easily the flatness of the rail head. The gauge will indicate if any peaks/dips are present relative to the 1.5mm nominal height setting. The peaked range is from 1.5mm nominal down to 0.5mm in 0.1mm increments and the dipped range is from 1.5mm nominal to 2.5mm in 0.1mm increments.</p>	

Taper Gauge Welders' 'GO'	Part Number URLT/001513
<p>Used with welders' straight edge to validate the flatness of the head of the rail.</p> <p>Side one for 75 - 100MPH line speeds Side two for 101-140MPH line speeds</p>	

Weld Combination Gauge	Part Number URLT/001517
<p>To check foot and web alignment, flatness across the head, rail gall and bolt hole clearances. Supplied in a leather wallet.</p>	



Welding Gauge Calibration Equipment



Master Straight Edge	Part Number URLT/002276
Supplied with UKAS certificate of calibration. Validity is for 5 years.	
Master Straight Edge Support Stand	Part Number URLT/002826
Dimensions: 910mm long x 180mm wide x 210mm high	
Master Feeler Gauge Set	Part Number URLT/001171
Set supplied with UKAS certificate of calibration. Validity is for 1 year. Blade length 75mm Number of blades 20, from 0.05 to 1.00mm to DIN2275	


Welding Gauge Calibration Equipment



Master Engineers' Square	Part Number URLT/012838
<p>Supplied with UKAS certificate of calibration. Validity is for 5 years.</p> <p>Dimensions 300mm (blade) x 200mm (stock) Manufactured to BS939:2007</p>	
Rail Wear Gauge Calibration Block	Part Number URLT/003345
<p>Supplied with UKAS calibration certificate. Validity is for 5 years.</p>	
Rail Head Depth Gauge Calibration Block	Part Number 0046/035047
<p>Supplied with UKAS calibration certificate. Validity is for 5 years.</p>	

Welding Equipment

<p>Abrasive Linishing Belts</p> <p>Abrasive belt 20mm (wide) x 533 x P40 grit Abrasive belt 30mm (wide) x 533 x P60 grit</p>	<p>Part Number 0111/103803 Part Number 0111/103802</p>
<p>A heavy duty semi flexible aluminium oxide cloth belt used on small portable hand held linishing machines for remedial grinding / removal of excess flashing from around the weld collar / under the foot of the rail on both thermic alumino and flash butt type welds.</p>	
<p>Adjustable Wrenches</p> <p>Adjustable wrench 150mm/6" (24mm jaw capacity) Adjustable wrench 200mm/8" (28mm jaw capacity) Adjustable wrench 250mm/10" (32mm jaw capacity) Adjustable wrench 300mm/12" (38mm jaw capacity) Adjustable wrench 375mm/15" (50mm jaw capacity) Adjustable wrench 450mm/18" (60mm jaw capacity)</p>	<p>Part Number 0039/059982 Part Number 0039/059984 Part Number 0039/059986 Part Number 0039/059988 Part Number 0039/059990 Part Number 0086/011614</p>
<p>A range of adjustable wrenches from 6" to 18" with a phosphate finish. Manufactured to ISO6787:1982</p>	

Aluminium Storage Boxes			
<u>External</u>	<u>Internal</u>	<u>Weight</u>	
600 x 400 x 400mm	545 x 345 x 375mm	6.5kg	Part Number URLT/009907
800 x 400 x 330mm	745 x 345 x 305mm	8.0kg	Part Number URLT/001697
800 x 600 x 400mm*	745 x 540 x 380mm	12.5kg	Part Number URLT/001450
<p>Seven sizes of lightweight aluminium storage and transportation boxes.</p> <p>Storage Box complete with checker plate lid and internal rubber mat.</p> <p>*This box is ideal for the storage of the ESAB BV1000 welding kit.</p> <p>For additional sizes please see website for details. www.lawtontools.co.uk</p>			 

Aluminium Storage Box with Partitions	Part Number 0111/107229
<p>Specially partitioned version of LT/SB/833 800x400x330mm. This box is ideal for the storage of the rail alignment kits or for welding kits. Within the box are 8 off 85x85x200mm compartments at one end, which provide locations for small parts making retrieval easy or can be used to provide protection for items such as aerosols, preventing damage to the aerosol and paint being released inside of the box.</p>	

Cooper Wedge Plates	Part Number 0057/027161
<p>To prevent damage to wooden sleepers when using steel wedges to align the rail prior to welding.</p>	 

3M Cubitron II Grinding / Cutting and Fibre Discs

Cutting and grinding discs:

125 x 4.2 x 22mm Cubitron II cutting and grinding discs

Type 27. Number of discs per box = 10

Part Number 0111/110415

180 x 4.2 x 22mm Cubitron II cutting and grinding discs

Type 27. Number of discs per box = 10

Part Number 0111/110414

230 x 4.2 x 22mm Cubitron II cutting and grinding discs

Type 27. Number of discs per box = 10

Part Number 0111/110416

Grinding wheels:

125 x 7 x 22mm Cubitron II depressed centre grinding wheel

Type 27. Number of discs per box = 10

Part Number 0111/110422

180 x 7 x 22mm Cubitron II depressed centre grinding wheel

Type 27. Number of discs per box = 10

Part Number 0111/110420

230 x 7 x 22mm Cubitron II depressed centre grinding wheel

Type 27. Number of discs per box = 10

Part Number 0111/110421

Cut off wheels:

125 x 2 x 22mm Cubitron II cut off wheel

Type 41. Number of discs per box = 25

Part Number 0111/110417

180 x 2.5 x 22mm Cubitron II cut off wheel

Type 42. Number of discs per box = 25

Part Number 0111/110418

230 x 2.5 x 22mm Cubitron II cut off wheel

Type 42. Number of discs per box = 25

Part Number 0111/110419

Fibre discs:

180 x 22mm Cubitron II fibre discs P36 grit

Number of discs per box = 25

Part Number 0111/105671


178 x M14 - 2.0 High performance ribbed back-up pad


Pack quantity = 1


Part Number 0111/110424


High performance abrasive discs for rapid metal removal / metal cutting or fast profile blending on site. Reduces contact time and therefore reduces operator fatigue when grinding or cutting.







Documentation / Rail Cutting Disc Protective Bag	Part Number URLT/020856
<p>For documentation, task files and maintenance manuals. Also suitable for the storage of 14" rail cutting discs.</p> <p>Labels can be supplied if required, designed to customer's own requirements in waterproof duro vinyl.</p>	




Files	
<p>Welders' Mould File Flat 200mm (8") Welders' Mould File Half Round 160mm (6")</p>	<p>Part Number URLT/000328 Part Number URLT/003315</p>
<p>Welders' carbide mould files.</p>	


Gas Cylinder Combination Spanner	Part Number 0111/109067
<p>Heavy duty gas cylinder combination spanner, for 5/8" cylinder nuts, 3/8" BSP hose connections and 1/4" valve spindles.</p>	


Gas Cylinder Support Frame	Part Number 0094/006005
Fitting Kit	Part Number 0094/011011
<p>A Network Rail approved frame to support gas cylinders on Harsco (Permaquip) Type B Trolleys.</p> <p>For additional details please see website. www.lawtontools.co.uk</p> <p>Please note:</p> <p>This product is designed and Network Rail product acceptance has been granted for use solely on Harsco/Permaquip Type 'B' trolleys. Under no circumstance should this arrangement be mounted on any other trolley type, or any other manufacturers' similarly designed trolley.</p>	


Gas Cylinder Trolley	Part Number 0111/108011
<p>Trolley for oxygen- propane gas cylinders with 16" pneumatic tyres.</p>	




<p>Hammers</p> <p>Welders' chipping hammer with steel spring handle Ball pein hammer (2lb) with hickory shaft Sledge hammer (10lb) with hickory shaft Sledge hammer (4lb) with 16" fibreglass shaft</p>	<p>Part Number 0039/128400 Part Number 0086/011632 Part Number 0039/128328 Part Number 0039/034698</p>
<p>Welders' chipping hammers, 2lb ball-pein hammer and sledge hammers.</p>	
<p>Heatshield Gel</p> <p>A spray on gel used for example to stop /reduce heat migration during arc welding defect repairs of austenitic manganese steel and stainless steel grade sections, or to rapidly cool hot surfaces.</p>	<p>Part Number 0111/107720</p> 
<p>Hot Mats</p> <p>To keep track-side and ballast free of debris during weld operations.</p>	<p>Part Number URLT/002582</p> 




Hot Pans	Part Number URLT/002275
Designed to remove safely hot welding debris from site.	
Inspection Mirror	Part Number URLT/018342
Large slim folding mirror. 150mm x 120mm with a plain rectangular mirror. Aluminium case. For weld inspection.	
Rail Cutting Discs	Part Number X0171
350mm (14") rail cutting discs for use with 14 inch rail saws. Klingspor Kronoflex A24 SX Special - 350 x 4 x 25.4 rail cutting discs	



Ratchet Lever Clamps for Matweld Grinding Frame	Part Number URLT/022908
Used to secure the Matweld grinding frame to the rail section. Four clamps are required to secure the frame.	

Rules and Tapes	
Rule - steel (rustless) 6"/150mm Rule - steel (rustless) 12"/300mm Stanley Powerlock Tape Measure 16ft-5mtr	Part Number STA035340 Part Number URLT/001914 Part Number 0039/063881
Steel Rules (rustless) and tapes	


Scriber – Carbide Tipped	Part Number URLT/000601
Welders' scriber for marking Thermit/Railtech moulds	

<p>Spark Gun</p> <p>Spark Gun Flints</p>	<p>Part Number URLT/002149 Part Number LT/SG/02F</p>
<p>Triple flint spark gun. For easy and rapid single handed ignition of welding and cutting torches. When one flint wears, turn triangular head to use the next flint.</p>	
<p>Stopwatches</p> <p>Digital Stopwatch Analogue Stopwatch</p>	<p>Part Number URLT/004704 Part Number 0040/017589</p>
<p>Digital stopwatch, reading to 0.01 sec with day/date function and neck cord.</p> <p>Analogue stopwatch, reading to 0.2 sec.</p>	
<p>Surface Marking – Ball Paint Markers (White)</p>	<p>Part Number MKL84600C</p>
<p>Markal ball type paint marker, colour white. Provides bright, durable weather resistant markings.</p> <p>Bottle size: 59ml</p>	

Surface Marking – Ball Paint Markers (Yellow)	Part Number MKL84601C
<p>Markal ball type paint marker, colour yellow. Provides bright, durable weather resistant markings.</p> <p>Bottle size: 59ml</p>	
Surface Marking – Cold Surface Marker (White)	Part Number MKLWHITE
<p>Markal Paintstik markers are solidified real paint markers in stick form, combining the long lasting durability of paint with the ease of application of a crayon.</p> <p>Marking any material, surface or texture - rough, smooth, wet, dry, icy, rusty or even oily.</p> <p>These markers dry like paint with excellent abrasion and are fade and weather resistant.</p>	
Surface Marking – Cold Surface Marker (Yellow)	Part Number MKLBYELLOW
<p>Markal Paintstik markers are solidified real paint markers in stick form, combining the long lasting durability of paint with the ease of application of a crayon.</p> <p>Marking any material, surface or texture - rough, smooth, wet, dry, icy, rusty or even oily.</p> <p>These markers dry like paint with excellent abrasion and are fade and weather resistant.</p>	


<p>Thermometers</p> <p>Digital Rail Thermometer with rail temperature magnetic sensor on 3 metre lead. Range -50°C to +70°C (-58°F to +158°F)</p> <p>Analogue Magnetic Rail Thermometer with magnetic back plate adheres directly onto the web of the rail to measure the rail temperature. Range -30°C to +60°C</p> <p>Digital Indoor/Outdoor Thermometer with outdoor sensor on 3 metre lead. Range -50°C to +70°C (-58°F to +158°F)</p>	<p>Part Number URLT/005866</p> <p>Part Number 0039/066333</p> <p>Part Number URLT/004058</p>
<p>Digital and analogue readout of ambient or rail temperature.</p>	
<p>Torch</p> <p>LED - Lenser® P7.2 torch</p>	<p>Part Number 9407</p> 


<p>Wedges</p> <p>Size 1 Large 330mm x 38mm x 38mm Size 2 Small 150mm x 38mm x 12.7mm</p>	<p>Part Number URLT/002231 Part Number URLT/002230</p>
<p>Two sizes of steel wedges are available to assist in rail alignment prior to welding.</p>	
<p>Weld Crucible Extension Piece</p>	<p>Part Number URLT/001579</p>
<p>To raise the height of the welding crucible for L80 welds</p>	
<p>Welders' Non-conductive Umbrella and Umbrella Support Clamp</p>	<p>Part Number 0057/050603</p>
<p>Umbrella Support Clamp Kit (comprising: non-conductive welders' umbrella, umbrella support clamp, stabiliser bar, combination wrench and storage bag.</p> <p>For additional details please see website. www.lawtontools.co.uk</p>	


<p>Wire Scratch Brushes</p> <p>4-row wire scratch brush 4-row wire scratch brush with scraper Brass crimped wire scratch brush</p>	<p>Part Number URLT/005351 Part Number 0005/004164 Part Number LT/TK/10/04</p>
<p>Steel and brass scratch brushes</p>	


Weld Inspection

The following products are all used by weld inspectors.




Weld Inspection Kit	Part Number URLT/003616
<p>Gauge and tool kit for the inspection of Thermit and Railtech weld processes.</p> <p>All items contained in this kit can be purchased individually.</p> <p>Comprising:</p> <p>0046/035302 Straight Edge – Welders’/Weld Inspectors’ with Box 0039/028152 Rail Wear Gauge with Wallet URLT/001517 Weld Combination Gauge with Wallet URLT/002697 Stepped Flashing Gauge (1mm/2mm/3mm) URLT/001513 Taper Gauge Welders' GO with Wallet URLT/005309 Taper Gauge Graduated 0.3-4mm URLT/002717 Taper Gauge Peaked and Dipped X1202 Feeler Gauge Set URLT/001537 Welders' Square URLT/002765 Welders' Hand Stamp (A) URLT/000375 Welders' Hand Stamp (X) URLT/001914 Engineers’ Rule 12"/300mm (2 edge) 0039/063881 Stanley Powerlock Tape Measure 5m/16' (steel) LT/TK/10/04 Wire Hand Brush Brass (crimped) LT/TK/10/06 Nozzle Cleaners (1 set) 0086/011632 2lb Ball Pein Hammer 0039/128400 Welder’s Chipping Hammer (spring handle) URLT/000601 Scriber - carbide tipped URLT/018342 Inspection Mirror, Large, Slim, Folding Aluminium 9407 LED Lenser® P7.2 LT/TK/10/03 White Chalk (pk 12) URLT/000017 Tool Bag (Orange)</p>	


Chalk	Part Number LT/TK/10/03
White anti dust chalk supplied in boxes of 12	


Engineers' Rule	Part Number URLT/001914
300mm / 12" Rustless rule	

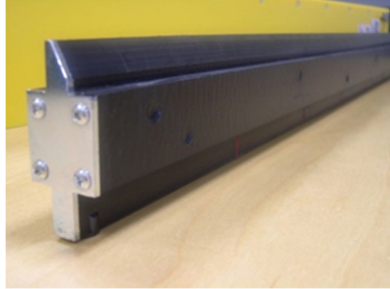
Feeler Gauge Set	Part Number X1202
Blade length 75mm Number of blades 20, from 0.05 to 1.00mm to DIN2275	


<p>Hammers</p> <p>Welders' Chipping Hammer 2lb Ball Pein Hammer</p>	<p>Part Number 0039/128400 Part Number 0086/011632</p>
<p>Welders' chipping hammer with steel spring handle</p> <p>2lb Ball pein hammer with hickory shaft</p>	
<p>Hand Stamps for Weld Inspection</p> <p>Welders single character hand stamp (A) Welders single character hand stamp (X)</p> <p>Please stipulate which character is required when ordering</p>	<p>Part Number 0039/053081 Part Number 0039/053081</p>
<p>Heavy duty, machine engraved, welders' mini stress identification hand stamps. Character height 8mm.</p>	
<p>Inspection Mirror</p>	<p>Part Number URLT/018342</p>
<p>Large slim folding mirror. 150mm x 120mm with a plain rectangular mirror. Aluminium case. For weld inspection.</p>	


Nozzle Cleaners	Part Number LT/TK/10/06
<p>Used for determining depth of holes i.e. weld porosity.</p> <p>0.45mm to 1.7mm</p>	
Rail Wear Gauge	Part Number 0039/028152
<p>Used to verify the amount of wear on the head of the rail. Also used by welders to establish the correct mould selection.</p> <p>Used for checking wear in rail types:-</p> <p>Bull Head : 95 Flat Bottom : 80A, 98,109,110A,113A, and UIC60</p> <ul style="list-style-type: none"> • Measuring range = 0-21mm in 1mm increments • Supplied with top and bottom stabilising feet to ensure correct alignment. • Zinc coated for corrosion protection. • Supplied in a leather wallet. 	
Scriber – Carbide Tipped	Part Number URLT/000601
<p>Welders' scriber for marking Thermit/Railtech moulds</p>	

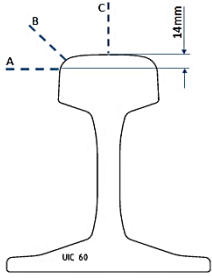

Square – Welders’	Part Number URLT/001537
<p>To check the squareness of the ends of rail prior to welding and aligning alumino thermic moulds. Also used by weld inspectors to check the alignment of the welds.</p> <p>Blade dimensions: 181mm long x 19mm wide</p>	


Stepped Flashing Gauge	Part Number URLT/002697
<p>To check for excess flashing around the weld collar.</p> <p>Stepped in 1mm, 2mm and 3mm increments.</p>	


Straight Edge – Insulated – Weld Inspectors’	Part Number 0046/019265
<p>One metre long insulated straight edge, used by Weld Inspectors while working in live line 650 -750 d.c. 3rd / 4th rail areas.</p>	

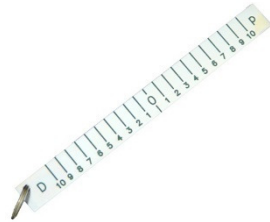
<p>Straight Edge – Welders’/Weld Inspectors’</p>	<p>Part Number 0046/035302</p>
<p>Used by both welders and weld inspectors for checking the alignment of rail sections, either prior to or after the welding / grinding processes.</p> <ul style="list-style-type: none"> • Nib height = 1.5mm +/- 0.05 • Nibbed edge and bevelled edge • Dimensions: 1016mm long x 50.0mm high x 8.0mm thick • 7 engraved check positions • Individual serial number for asset tracking / periodic calibration recording • Zinc coated for corrosion protection • Supplied with certificate of conformity <p>Supplied in a yellow polyethylene protective storage box.</p>	


<p>Replacement yellow polyethylene storage box</p>	<p>Part Number URLT/004258</p>
<p>Replacement polyethylene storage box for straight edge.</p>	


<p>Straight Edge Support Set</p>	<p>Part Number 0046/035006</p>
<p>Used to position / support the straight edge on the side of the rail at 14mm below the crown of the rail, on the gauge corner at 45° or on top of the head of the rail section.</p> 	


Tape Measure	Part Number 0039/063881
Stanley Powerlock Tape Measure 16ft/5mtr	


Taper Gauge Graduated 0.3-4mm	Part Number URLT/005309
Protective Wallet	Part Number 0111/103838
Used with welders straight edge to check and measure the flatness of the head of the rail. One side reads from 0.010" to 0.150" x 0.001" and the other from 0.30mm to 4.00mm x 0.05mm.	


Taper Gauge Peaked and Dipped	Part Number URLT/002717
Used with welders' straight edge to easily verify whether the head of the rail is flat, peaked or dipped. Used by Weld Inspectors in conjunction with a nibbed straight edge to verify quickly and easily the flatness of the rail head. The gauge will indicate if any peaks/dips are present relative to the 1.5mm nominal height setting. The peaked range is from 1.5mm nominal down to 0.5mm in 0.1mm increments and the dipped range is from 1.5mm nominal to 2.5mm in 0.1mm increments.	

Taper Gauge Welders' 'GO'	Part Number URLT/001513
Used with welders' straight edge to validate the flatness of the head of the rail. Side one for 75 - 100MPH line speeds Side two for 101 - 140MPH line speeds	


Tool Bag – Heavy Duty	Part Number URLT/000017
Heavy duty weather-proof bag / holdall for tools, weld inspection equipment etc.	

Torch	Part Number 9407
LED - Lenser® P7.2 torch	

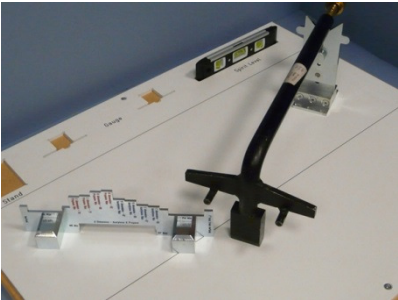
Weld Alignment Inspection Gauge complete with checking block	Part Number LT/RG/29
Replacement Checking Block only	Part Number 0046/016377
<p>Used to check vertical and horizontal alignment of welds (flat bottom rail only).</p> <p>Checking block includes a 32mm recess to check the weld collar width on Thermit SkV-E processes. This item can be ordered separately.</p>	

Weld Combination Gauge	Part Number URLT/001517
<p>To check foot and web alignment, flatness across the head, rail gall and bolt hole clearances. Supplied in a leather wallet.</p>	

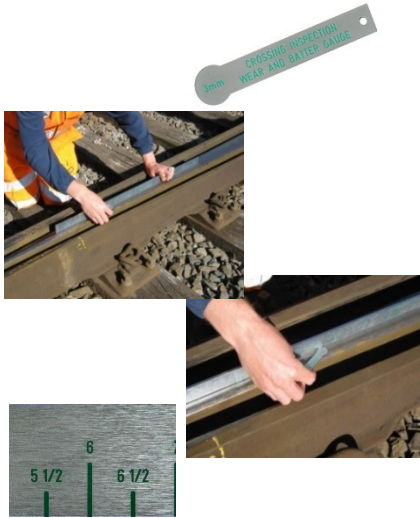
Weld Inspection Gauge Set – Insulated	Part Number 0046/035002
<p>This four part non-conductive gauge set is used by Weld Inspectors for assessing welds located in 3rd and 4th rail areas. Comprises weld combination gauge, engineers’ square and two part weld alignment gauge set.</p> <p>For additional details please see website. www.lawtontools.co.uk</p>	

Wire Scratch Brushes	Part Number LT/TK/10/04
Brass crimped wire scratch brush	




Pre Heater Checking Equipment


<p>Checking Equipment for Thermit Preheaters</p>	<p>Part Number 0111/102709</p>
<p>Used for periodical checking of Thermit acetylene and propane preheaters.</p>	


Crossing Inspection

<p>Crossing Inspection Gauges</p> <p>Graduated Straight Edge for Crossing Inspections and Repairs Crossing Inspection Wear and Batter Gauge (3mm)</p>	<p>Part Number 0046/035004 Part Number 0046/035005</p>
<p>Graduated straight edge:</p> <p>Graduated 1 metre straight edge and batter gauge for assessing wear and batter at the wheel transfer area on crossing sections.</p> <p>Engraved with crossing angles: 4, 4.1/2, 5, 5.1/2, 6, 6.1/2, 7, 7.1/2, 8, 9.1/2", 10.3/4, 13, 15, 16, 18.1/2, 21, 24 & 28.</p> <p>Dimensions. 1000mm long x 40mm high x 8mm thick</p> <p>Crossing inspection wear and batter gauge (3mm):</p> <p>Dimensions: 20mm (wide) x 100mm long x 3mm thick</p>	

Welding PPE

<p>Anti Vibration Gloves</p> <p>Medium size 8 Large size 9 X-Large size 10</p>	<p>Part Number URLT/001769 Part Number URLT/001768 Part Number URLT/001767</p>
<p>Used by engineers when operating hand held or hand guided machinery such as angle grinders, ballast tamping equipment or rail profile grinding equipment.</p>	
<p>Hearing Protection</p> <p>Peltor Optime II</p>	<p>Part Number URLT/002232</p>
<p>Ear defenders with neckband for protection and comfort.</p>	
<p>Heat Resistant Gauntlets</p>	<p>Part Number 0044/115515</p>
<p>This range of Kevlar sewn gauntlets is made from heat resistant heavy grade leather and has an insulating spark resistant felt lining.</p>	

<p>Respirators and Filters</p> <p>3M 6100 respirators (small) 3M 6200 respirators (medium) 3M 6300 respirators (large) 3M 2138 Filter (pack of 2) (to suit all 3 sizes)</p> <p>NB: Each respirator requires two filters</p>	<p>Part Number LT/HP/01 Part Number LT/HP/02 Part Number URLT/007705 Part Number URLT/002976</p>
<p>Primarily used by welders for protection from organic fumes, acid gases and particulates during welding, cutting and grinding processes.</p>	

<p>Safety Goggles</p> <p>Clear Shaded</p>	<p>Part Number 0044/159393 Part Number URLT/000878</p>
<p>Clear goggles for general applications including grinding and applications where hammers are used or equipment has an impacting feature such as needle scalers or ballast tamping tools.</p> <p>Shaded goggles are for Thermic Alumino welding processes and gas burning operations.</p>	

Contact Details

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