balance weight technology

MORE THAN JUST A WHEEL BALANCE WEIGHT

The experts in consumables for the wheel and tyre service industry

INNOVATION & DESIGN

Tel: +44 1686 610169 Email: sales@traxjh.com www.traxjh.com





APPROVED BY THE AUTOMOTIVE INDUSTRY





Leaders in balance weight innovation and design, Made in UK to Original Equipment Standards

The company invented the CAM-BACK[™] clip-on weight, widely regarded as the best solution available for universal fitment to steel wheels. With adhesive weights becoming more popular, TRAX has developed a wide range for both OE and aftermarkets including the development of new adhesive tapes. Steel is the preferred material due to low cost and ease of recyclability.

SUPPLIERS TO ORIGINAL EQUIPMENT

The company has a wide range of problem solving and consultancy skills in product design and manufacture. TRAX wins and retains Original Equipment (OE) business on the strength of its product design and quality. TRAX is certified to OE quality & environmental standards IATF 16949 & ISO14001.

TRAX BRAND - OE DESIGN AND QUALITY BUILT IN

The TRAX brand means you get OE levels of design expertise and quality. TRAX is widely recognised to represent customer service, superior product design, and consistent quality. This is even more relevant in today's markets with low quality, low cost weights readily available. Designed to be universal in application, TRAX weights are accepted as a brand leader in many markets.





IATF 16949 & ISO14001 Certified

BALANCE WEIGHT TECHNOLOGY



TRAX Professional Range







CLIP-ON WEIGHTS FOR CARS & VANS

ZINC CLIP-ON WEIGHTS FOR STEEL WHEELS

The benefits



1. SAFETY - The top cam increases the force required to remove the weight which ensures it will not fall away from the rim.

2. RETENTION – The bottom cam forces the weight body away from the rim thereby opening the spring clip and significantly increasing retention. This increased retention ensures no movement of the weight on thin section rims which can cause imbalance

3. SLIMLINE – The slimline shape allows good wheel trim clearance.

Heavy braking can make weights slide around the rim causing imbalance and wheel vibration. CAM-BACK[™] weights eliminate this problem by giving the highest retention and a universal fitment across heavy duty and thin section rims.



Coated or uncoated weights?

Uncoated zinc weights have been widely fitted on steel wheels across Europe (including Scandinavia) since 2005. Over 60% of weights sold for steel wheels have been uncoa

Please see page 18 for more details









200X Universal CAM-BACK[™] (uncoated)

Our most popular weight. The CAM-BACK™ design, invented by TRAX, ensures the weight fits the widest range of steel wheels and ensures maximum retention. See 'The benefits' article to the left for more information. Uncoated.

Size range: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g Box quantities: 5/30g 100pcs/box; 35/60g 50pcs/box

200C Universal CAM-BACK[™] weight (plastic coated)

200C with added plastic coating to OE standards. Approved by RENAULT and VOLVO.

Size range: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g Box quantities: 5/30g 100pcs/box; 35/60g 50pcs/box

207X Special weight for Renault steel wheels (Also available coated)

Developed for RENAULT the series 207 to fit steel rims 5 to 50g with improved fit and retention. The CAM-BACK[™] design for maximum safety & retention. Also available plastic coated to OE standards.

Size range: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50g Box quantities: 5/30g 100pcs/box; 35/60g 50pcs/box

840C Special weight for heavy duty steel wheels (plastic coated)

This weight is designed to fit heavy duty steel wheels as found on light trucks up to 3.5 tonnes (eq FORD TRANSIT, MB SPRINTER, RENAULT TRAFIC, VW TRANSPORTER) Plastic coated to OE standards.

Size range 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90g Box quantities: 25 weights per box

ZINC CLIP-ON WEIGHTS FOR ALLOY WHEELS









(plastic coated) Designed to fit most European cars with rim horns 4.5/6.5mm thick. Approved by VOLVO and RENAULT. For thicker rims (as found on some Japanese cars) the series 340C is recommended. Plastic coated to OE standards.

Size range: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g Box quantities: 5/30g 100 pcs/box; 35/60g 50 pcs/box Also available in 25 pcs/box

326X Universal weight for alloy wheels (uncoated)

Designed to fit most European cars with rim horns 4.5/6.5mm thick.

Size range: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g Box quantities: 5/30g 100 pcs/box; 35/60g 50 pcs/box

340C Japanese and thick section alloy wheels (plastic coated)

Designed to fit thicker section alloy rim horns 6.5/7.5mm, as found on many Japanese cars, NISSAN, HONDA and TOYOTA. Plastic coated to OE standards.

Size range: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50g Box quantities: 25 weights per box

328C Weight for alloy wheels for RENAULT 10-60g (plastic coated)

Developed with RENAULT to fit alloy rims with improved fit and retention.

Size range: 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g Box quantities: 25 weights per box

BALANCE WEIGHT TECHNOLOGY

326C Universal weight for alloy wheels

Alloy wheel rim horns will vary significantly in shape, height and depth. Each car manufacturer can have a different alloy rim shape depending on the rim manufacturer. Wide tolerances are allowed within ETRTO specifications.

For guidance only.



Outside these ranges adhesive weights are recom



Unique TRAX quality system product traceability

Underneath each box is a yellow sticker which identifies traceability

- · Date of manufacture
- · Who packed the weights
- · Weight series number
- Weight size
- Material manufacturing date



TRAX STEEL ADHESIVE WEIGHTS

A WIDE RANGE OF ADHESIVE WEIGHTS

TRAX PROFESSIONAL

for the optimum & most reliable performance

TRAX BRANDED a quality branded weight



"EASY LINER" ADHESIVE TAPE

Easy to remove - with oversized liner Easy to tear - with paper tape liner









UNIQUE CARTON PACKAGING

TRAX has unique adhesive weight packaging for the easy handling of 12 Kg cartons.

With boxes of 50 or a carton of 200 you have pack size flexibility & stronger packaging for these heavy weights.









with oversized liner



with paper tape liner



with blue plastic tape liner



- Easy to remove no more frustration
- Quick
- Easy to tear by hand
- Minimum damage to adhesive
- Better weight fitment
- Difficult to tear
- Damages adhesive
- Problems on fitment

TRAX PROFESSIONAL









The soft foam Lohmann tape sticks better on alloy rim surfaces increasing the bond strength.

With hard foam (eq blue liner) adhesive tapes, moisture can ingress underneath the adhesive reducing the bond strength.





A high instant stick and premium bonding adhesive with tape as approved by Original Equipment companies. A popular weight, widely used by aftermarket customers who want the best adhesive solution to ensure weights do not fall off.

COLD WEATHER ADHESIVE WEIGHT FITMENT

The TRAX PROFESSIONAL range is fitted with tape that has been developed for fitment in cold temperatures down to MINUS 10°C. Typical "blue liner" adhesive weights for OE and aftermarkets are not recommended to be fitted below 16°C. At lower temperatures the "blue liner" adhesive becomes harder and may not stick causing the weights to fall off.

19mm wide by 4.0mm high. 60g strips 12x5g or 4x5g /4x10g



AVAILABLE IN BLACK OR GREY



BALANCE WEIGHT TECHNOLOGY

HIGH PERFORMANCE - OE TAPE

RECOMMENDED FOR NEW OR REFURBISHED ALLOY WHEELS

The TRAX PROFESSIONAL range is recommended for fitting to NEW or REFURBISHED alloy wheels where low surface energy (non-stick) paints and lacquers can cause weights to fall off. See website or page 20 for more information.





COLOURS

Why do adhesive weights fall off? see page 28



TRAX PROFESSIONAL - STRIPS





615C



614B

614C Universal PROFESSIONAL 60g

A premium steel adhesive weight with superior grey plastic coating and Easy Liner with Lohmann tape. Fits rim sizes 12 to 22 inch. 12x5g pieces. 19mm wide x 4mm high.

Box quantities: 50 strips. 4 boxes per carton. 80 cartons per pallet

Also available in a 5Kg roll 614C SP.

614B Universal PROFESSIONAL 60g 12x5g (plastic coated) BLACK

The same as 614C except BLACK Also available in a 5Kg roll 614B SP.

615C Universal PROFESSIONAL 60g 4x5g & 4x10g (plastic coated) GREY

The same as 614C except in 4x5/4x10g pieces.

615B Universal PROFESSIONAL 60g 4x5g & 4x10g (plastic coated) BLACK

The same as 614B except in 4x5/4x10g pieces.







TRAX PROFESSIONAL - ROLLS



EASY LINER

614C SP Universal PROFESSIONAL 5Kg Plastic coated GREY. The same as 614C except in 5Kg rolls. 1000 x 5g

614B SP Universal PROFESSIONAL 5Kg

Plastic coated BLACK. The same as 614B except in 5Kg rolls. 1000 x 5g Box quantities: 1 box per roll (150 rolls/pallet)

TRAX BRANDED - STRIPS

605E Universal 60g 12x5g

A slimline steel 60g strip with a high quality zinc coating with "EASY LINER" (oversized liner made of paper - easy to remove and tear). 19mm wide by 3.8mm high.

Also available in a 5Kg roll 605E SP

Box quantities: 50 strips. 4 boxes per carton. 80 cartons/pallet.

605C (Grey) /605B (Black) Universal 60g

The same as 605E but with additional plastic coating in grey or black.

Also available in a 5Kg roll 605C SP and 605B SP.



610E Universal 60g 4x5g & 4x10g

Our most popular weight. A 60g steel strip with a high quality zinc coating and "EASY LINER".

Box quantities: 50 strips. 4 boxes per carton. 80 cartons/pallet.

610C (Grey) /610B (Black) Universal 60g

The same as 610E but with additional plastic coating in grey or black.



620C Extra slimline 40g 2.8mm high 8x5g (plastic coated) GREY

Recommended for use where brake caliper clearance is a problem

Box quantities: 50 strips. 4 boxes per carton. 80 cartons/pallet.



622C Ultra slimline 2.2mm 12x2.5g (plastic coated) GREY

Box quantities: 100 strips. 2 boxes per carton. 80 cartons/pallet.



BALANCE WEIGHT TECHNOLOGY

















TRAX BRANDED - STRIPS (CONTINUED)



805C





TRAX BRANDED - ROLLS



Made from high quality lead – easy to bend and cut. 3.8mm high x 20mm wide. Boxed 100 with 4 boxes per carton (24Kg).

Not to be used in markets where lead is banned as a material for balance weight use.

Box quantities: 100 strips. 4 boxes per carton

805C 4x4 Heavy Duty - plastic coated GREY + 805B

Ideal when heavy adhesive weights are required - eg 4x4 & SUV vehicles.

Made from steel in 2 sizes 100g (4x25g) and 200g (4x50g) with a quality grey plastic coating.

100g 20mm wide x 7mm high 200g 25mm wide x 9mm high

Box quantities:

100g (4x25g) 50 strips 4 boxes per carton (20Kg) 200g (4x50g) 30 strips 4 boxes per carton (24Kg)

605B SP (black) Universal 5Kg

ADHESIVE WEIGHTS FALLING OFF? - SEE PAGE 28

ECO - STRIPS

An Eco line adhesive weight range. Plain white box with no TRAX branding. Brown oversized paper liner. The weight segments are cut from lengths of steel. Lower cost but less accuracy and poorer appearance. TRAX branded weights are pressed from steel sheet giving better accuracy and improved appearance.

ECO LINE CAR STRIPS



601E 4x5g/10g

An Eco line weight of 5g and 10g segments. Width 19mm, height 3.8mm. Box quantities: 100 no carton. 160 boxes per pallet.

601C (grey) / 601B (black) 4x5g/10g

The same as 601E but with additional plastic coating in grey or black. Width 19mm, height 3.8mm.

Box quantities: 100 no carton. 160 boxes per pallet.

602E 12x5g

A budget line weight of 12x5g segments. Width 19mm, height 3.8mm. Also available in a 5Kg roll 602E SP. 150 rolls/pallet.

Box quantities: 100 no carton. 160 boxes per pallet.

602C (grey) / 602B (black) 12x5g

The same as 602E but with additional plastic coating in grey or black. Also available in a 5Kg roll 602C SP and 602B SP 150 rolls/pallet. Width 19mm, height 3.8mm

Box quantities: 100 no carton. 160 boxes per pallet.



10



ROLL HOLDER

Designed to hold 5Kg rolls. Quality construction, requires bolting to the floor.

Single roll holder also available.

Single holder part no. roll-hol-0001(green)

Double holder part no. roll-hol-0002 (green) / roll-hol-0003 (red)

605E SP (electroplate) 605C SP (grey)

The same as the 60g strips but in 5Kg roll form.

Width 19mm, height 3.8mm

Box quantities: 1 roll per box 150 rolls per pallet

602C SP (grey plastic coating) 602B SP (black plastic coating) **Universal 5Kg**

The same as the 60g strips but in roll form. Width 19mm, height 3.8mm

ECO - ROLLS

602E SP (electroplate)

Box quantities: 1 roll per box 150 rolls per pallet.



BALANCE WEIGHT TECHNOLOGY



See page 21 for private brand information



Customer logo boxes & labels

For 24 pallet orders customers can have their own private label and box for any mix of the unbranded product range of adhesive weights.







OE ADHESIVE WEIGHTS

TRAX has developed adhesive weights made from steel for OE use. Steel adhesive weights are used or approved by many OE companies including Nissan, Stellantis / Opel, Renault, Ford, Volvo, Jaguar. Range Rover, Honda.

Steel can be up to 40% lower cost than zinc or composite materials. Steel weights can also be supplied in roll form for plant automation.

WEIGHTS NOT STICKING - LOW SURFACE ENERGY

TRAX has developed a new adhesive tape that can bond better to new alloy rims where problems can occur due to a low surface energy resulting in weights falling off. A low surface energy means that it is more difficult for the adhesive tape to stick to the rim with the full chemical bonding required not taking place (eg a waxed surface). Cleaning the rims with an isopropanol based cleaner is recommended but it will not guarantee a satisfactory paint or lacquer surface to allow the adhesive weight to bond.

Adhesive weights may also fall off over a period of days or weeks as the surface energy levels of the paint or lacquer can change over time when first applied.

STEEL STRIP WEIGHTS



623M

611M Slimline 60g strip 3.8mm high

A high quality strip weight made from steel. Approved by Renault, Ford & Honda. High corrosion resistance to 600hrs. Zinc coating. Will fit any size rims.

Size range: 60g strips 4x5g & 4x 10g - Width: 20mm Height: 3.8mm

Box quantities: 50. Also available as a service kit.

623M Slimline 4.0mm high

A high quality steel strip weight of 5g segments. Will fit any rim size. Zinc coated with high corrosion resistance tested to 600 hours. Approved by Renault & Nissan.

Size range: 5-100g strips.

Box quantities: Bulk box up to 8 Kg Width 20mm, height 4.0mm. Also available as a service kit.





623C (GREY) 623B (BLACK) **SLIMLINE 4.0MM HIGH**

A high quality steel strip weight. Zinc electroplating plus grey plastic coating with corrosion resistance tested to 1000 hrs. Approved by Stellantis / Opel. Width 20mm, height 4.0mm.

Size range: 5-60g strips.

STEEL OE SINGLE PIECE WEIGHTS



650C Heavy duty 6.8mm high. Fits up 22" rims

A high quality adhesive weight series made from steel. As approved by Land Rover/ Range Rover & Ford this is an ideal weight for large 4x4 alloy wheels. Available up to 100g, the weight is short allowing the best opportunity to hide the weight behind the rim spokes. High quality tape and corrosion protection - plastic coated. Fits 16" to 22".

Size range: 5g/100g.

Box quantities: 25 pieces - or 8Kg bulk box.

660C Standard 5.8mm high

A high quality adhesive weight series made from steel. As approved by Range Rover and Jaguar and fitted to Range Rover Evoque. High quality tape and corrosion protection - plastic coated. Fits 16" to 22" rims. Width 15mm, height 5.8.

Size range: 5g/60g.

Box quantities: 25 pieces - or 8Kg bulk box.

670C Slimline 3.8mm high

A high quality weight series made from steel. Recommended where caliper clearance can be a problem. Approved by Volvo. High quality tape and corrosion protection plastic coated. Fits 16" to 22" rims.

Size range: 5g/60g.

Box quantities: 25 pieces - or 8Kg bulk box.

BALANCE WEIGHT TECHNOLOGY

Box quantities: Bulk box up to 8 Kg.

Also available as service kit



623B





660C



TRUCK WEIGHTS



810X









810X Tubeless truck. LEAD

Fits tubeless truck wheels - a popular weight in use for many years. Sizes 50g to 200g are slimline in shape to ensure clearance with steering parts which can be a problem on the inside of some truck wheels.

Size Range: 50, 75, 100, 150, 200, 250, 300, 350, 400g Box Quantities: 10 weights per box

840C Heavy duty steel wheels – vehicles up to 3.5 tonnes. ZINC

This weight is designed to fit heavy duty steel rims as found on light trucks up to 3.5 tonnes (eg FORD TRANSIT, MB SPRINTER, RENAULT TRAFIC, VW TRANSPORTER). Plastic coated to OE standards.

Size Range: 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90g Box Quantities: 25 weights per box

805C TRUCK ADHESIVE- plastic coated GREY. 100g & 200g

To fit truck alloy wheels. Not recommended for Alcoa Dura-Bright® alloy rims as the tape may not stick due to the special rim surface coating or black. Made from steel in 2 sizes 100g (4x25g) and 200g. (4x50g) with a quality grey plastic coating.

Box Quantities

100g (4x25g) 50 strips 4 boxes per carton (20Kg) 200g (4x50g) 30 strips 4 boxes per carton (24Kg)

ASSORTMENT BOXES

Please enquire regarding assortment boxes – these are usually made to order

TRAX branded box Description

200C-999-TX00 326C-999-TX00 340C-999-TX00 200C coated zinc for steel wh 326C coated zinc for alloy wh 340C coated zinc for Japanes

Raaco plastic box Description

200C-999-RA00 326C-999-RA00 340C-999-RA00 650C-999-RA00 660C-999-RA00 670C-999-RA00 200C coated zinc for steel wh 326C coated zinc for alloy wh 340C coated zinc for Japanes 650C coated OE steel adhesiv 660C coated OE steel adhesiv 670C coated OE steel adhesiv





630E & 630B Motorcycle weights

Available in electroplated (630E) or black plastic coated (630B) surfaces. Easy Liner tape. Trax branded. 4x5g/10g 60g strip. 15mm wide x 4.8mm high

Box quantities: 50/box. 4 boxes per carton

950X Motorcycle weight

50g lead strip (Pb) with 2.5g and 5g segments, St Gobain V2800 adhesive. 11mm wide 6.5mm high

Box quantities: 50 pieces



Quality RAACO plastic box

BALANCE WEIGHT TECHNOLOGY

	Size range	box qty
eels	5-40g	100
eels	5-40g	100
e alloy wheels	5-40g	100
	Size range	box qty
eels	5-40g	270
eels	5-40g	270
e alloy wheels	5-40g	250
e for alloy wheels	60-100g	156
e for alloy wheels	5-30g	245
e for alloy wheels	5-50g	270



Trax assortment boxes 5-40g 100 pieces



PACKAGING

Please see the TRAX website www.traxjh.com for packaging details

TRAX BRANDED PACKAGING

TRAX has a strong brand image with the familiar green and black colours. TRAX clip-on boxes are put into cartons to ensure delivery in a good condition.

Adhesive weights are typically boxed in 50's with 4 boxes (200) per carton.

This gives distributors the opportunity to sell by the box or the carton. Today, most TRAX adhesive weights are sold in cartons of 200 to tyre retail outlets

PRIVATE LABELS

Private labels are available - designed to customers requirements. There are limitations on adhesive weight private labels- please enquire



See page 21 for more details





OEM SERVICE KITS





Service kit
611M-999-SK01
623B-999-SK01
623C-999-SK01
623M-999-SK01
650C-999-SK01
660C-999-SK01
670C-999-SK01

BALANCE WEIGHT TECHNOLOGY



balance weight technology

Uncoated zinc weights Zinc balance weights and 'white rust' corrosion

ARTIFICIAL TESTS DO NOT REPRESENT WHAT HAPPENS IN REAL CONDITIONS ON A WHEEL

Laboratory tests for the corrosion testing of zinc balance weights rely on spraying a salt water solution in a chamber to create a "fog" (mist) around the weight for several hundred hours (eg ASTM B117, ISO 9227, DIN 50021 SS). Typically 240 hours in a laboratory test is claimed to represent 5 years life on a car.

Balance weights put into a static salty wet environment for several hundred hours can display a heavy flocculent white deposit (zinc hydroxide) and pictures of such weights have been shown around the balance weight market as below:

LABORATORY ENVIRONMENT

Example of a picture of weights shown in the market. This shows uncoated zinc weights placed into an artificial laboratory salt spray environment.



REAL ENVIRONMENT

Uncoated zinc weight after having been fitted to a steel wheel running approximately 16,000Km (10,000 miles) over 18 months (UK).

The surface has darkened with superficial corrosion which does not affect the weight performance or the steel wheel. This weight was fitted to a 3.5 tonne light truck with no wheel trims for maximum exposure to the road.



Laboratory tests are useful for a comparison between the performance of different surfaces and materials but do not represent what happens on wheel in real life conditions. In addition the aftermarket would not expect a weight to last for 5 years but the life of the tyre which would typically be around half of this time or less with the seasonal change over from summer to winter tyres. Car companies use weights with corrosion protection as the specification is for the part to last the life of the car or a minimum 5 years.

The primary reason given for the difference between laboratory test and real conditions is that when exposed to the weather the weights develop a protective skin called a "patina". This patina comprises of zinc carbonate and offers an inert corrosion protection layer for the zinc metal. Detail of how the zinc carbonate "patina" will form are as below. This process is more commonly known as "weathering" with the effects of exposure to rain water, free air circulation, and constant wetting and drying. In addition there is often a heavy deposit of black brake dust and dirt building up on the weights which will give some additional protection. The continuous wetting and drying as seen in real life on a wheel gives fast "weathering" and the build up of the protective "patina" zinc carbonate layer.

PATINA INFORMATION

The formation of the zinc patina begins with exposure of the zinc weight to atmospheric oxygen. Initially a thin layer of zinc oxide develops on the surface as a result of the oxygen reacting with the zinc. This oxide layer reacts with water to form a white gelatinous zinc hydroxide ("white rust").

During a drying phase the zinc hydroxide reacts with the carbon dioxide in the atmosphere forming a thin layer of zinc carbonate (patina). The rate of patina formation will depend on the environmental conditions but the constant wetting and drying as found on a wheel represents good conditions for this weathering process.



TRAX offers the market a choice of coated or uncoated clip-on weights. There is a market for both. Distributors and tyre retailers are being advised it is essential to corrosion protect zinc balance weights and are not given a choice encouraging them to use more expensive coated weights.

Uncoated weights are now being widely fitted across aftermarkets in Europe.



TRAX PROFESSIONAL ADHESIVE WEIGHTS

Ideal for general tyre shop use offering a high level of bonding for all alloy wheels and "all weather" fitment. The TRAX "PROFESSIONAL" range has been introduced due to demand for higher levels of adhesion ensuring that weights do not fall off.

- Tape approved for Original Equipment use
- High bond sticks better to alloy rim surfaces
- Soft foam adhesive backing sticks better to the inside of alloy rim surfaces
- High bonding strength at elevated temperatures
- Can be fitted at low temperatures down to -10°C
- High quality tape made in Germany by Lohmann
- Plastic coated for superior appearance and corrosion protection

SOFT FOAM



SOFT FOAM TAPE

rough surface alloy wheel



JLohmann

Ideal for cold weather fitment. normal blue liner tapes have much reduced stickiness at low temperatures and are recommended to be fitted at a minumum temperature of 16°C.

The soft foam Lohmann tape sticks better on alloy rim surfaces increasing the bond strength.

With hard foam (eg blue liner), adhesive tapes moisture can ingress underneath the adhesive reducing the bond strength.

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BALANCE WEIGHT TECHNOLOGY

The PROFESSIONAL range can be fitted on cold wheels down to -10°C. Ideal for winter use.

AVAILABLE IN BLACK OR GREY COLOURS



PROFESSIONAL BRANDED BOXES



TRAX PROFESSIONAL - STRIPS

614C Universal PROFESSIONAL 60g 12x5g (plastic coated) GREY

A premium slimline steel 60g strip with grey plastic coating. Oversized liner for easy removal. 4.0mm high.

Also available in a 5Kg roll 616C SP

Box quantities: 50 strips. 4 boxes per carton.

614B Universal PROFESSIONAL 60g 12x5g (plastic coated) BLACK

The same as 614C except BLACK Box quantities: 50 strips. 4 boxes per carton.

615C Universal PROFESSIONAL 60g 4x5g & 4x10g (plastic coated) GREY

A premium slimline steel 60g strip with grey plastic coating. Oversized liner for easy removal. 4.0mm high.

Box quantities: 50 strips. 4 boxes per carton.

615B Universal PROFESSIONAL 60g 4x5g & 4x10g (plastic coated) BLACK

The same as 615C except BLACK

Box quantities: 50 strips. 4 boxes per carton.





615C



614B

TRAX PROFESSIONAL - ROLLS

616C SP Universal PROFESSIONAL 5Kg (plastic coated) GREY

The same as 614C except in 5Kg rolls Box quantities: 1 roll per box

WHY DO ADHESIVE WEIGHTS FALL OFF?

See information on Page 28 and 29



PRIVATE BRAND – ADHESIVE WEIGHTS

- Private brand
- Private label
- Low MOQ of 24 pallets (3840 boxes)
- Direct to your warehouse
- TRAX service
- Consistent quality
- Competitive price
- Bespoke design





BALANCE WEIGHT TECHNOLOGY





VALVES

- High-quality rubber and brass
- · Protection against environmental & mechanical wear
- High quality manufacturing
- Trax branded packaging
- 100 pieces / bag, 1000 / box
- Available sizes TR412, TR413, TR414, TR418
- ETRTO compliant
- TUV approved
- Specialist valves also available



TYRE MOUNTING CONSUMABLES



101	Πa	κc
pos	ssik	ole.
5ltr	or	20

Part No: 5Ltr: 101L-500-BU01 20Ltr: 101L-000-BU01











Pro Range rimseal

Is applied to the inside of the rim to create a professional airtight seal between the tyre and both alloy and corroded steel rims.

Part No: BLACK: 102R-500-BU01

DOWNLOAD AS PDF



BALANCE WEIGHT TECHNOLOGY

Pro Range liquid tyre lubricant

To make the tyre mounting and demounting process as simple as For Plant and Commercial tyre fitting only. Available in a Oltr Jerry can.

Pro Range standard white paste

For use mounting and demounting standard passenger car tyres.

Available in a 5Kg bucket

Pro Range tyre bead wax

Used for mounting and demounting all types of tyres to prevents damage during fitting. Wax based to help prevent rim rust.

Available in a 5Kg bucket

Part No: 101W-500-BU01

Available in standard or black. Black rimseal is less visible compared to standard rimseal. Available in a 5Kg bucket

STANDARD: 101R-500-BU01



TYRE MOUNTING CONSUMABLES



Pro Range tyre bead aerowax

Pro Range tyre bead aerowax, blue in colour used for mounting and demounting all types of tyres to prevents damage during fitting. Wax based to help prevent rim rust. Aerowax has a lower density compared to standard wax to reduce over application. Available in a 5Kg bucket

Part No: 101A-500-BU01



Pro Range HD tyre grease

For the mounting and removal of truck, earthmover, and handling machinery tyres. Not for use on car or motorcycle tyres. Available in a 5Kg bucket

Part No: 101G-500-BU01

TRAX PROFESSIONAL (OE TAPE)

A high instant stick and premium bonding adhesive. A popular weight, widely used by tyre shop and garage customers who want the best adhesive weight sticking solution. Available in 12x5g or 4 x5g/10g pieces Specifically developed for high performance, the Trax Pro adhesive weights are also recommended for fitting to NEW or REFURBISHED alloy wheels where low surface energy (non-stick) paints and lacquers can cause weights to fall off. The adhesive can be fitted at low temperatures down to MINUS 10°C - typical "blue liner" adhesive weights for OE and aftermarkets are not recommended to be fitted below 16°C. At lower temperatures the "blue liner" adhesive becomes hard and may not stick causing the weights to fall off. 19mm wide by 4.0mm high. Packaging: 50 strips per box. 4 boxes per carton. 80 cartons per pallet (16,000 strips).

TRAX BRANDED 605B / 605E / 610CE - In electroplated, grey or black plastic coating

Our biggest selling range - TRAX branded. Superior adhesive tape, corrosion protection & appearance than Eco line adhesive weights. High quality TRAX packaging with 4 boxes per carton. Easy to hold with marketing advantages. Available in electroplate or grey or black plastic coating. 19mm wide x 3.8mm high. Packaging: 50 strips per box. 4 boxes per carton. 80 cartons per pallet (16,000 strips)

601E / 602E - In electroplated, grey or black plastic coating ECO LINE

An Eco line weight. Plain white box. Brown oversized paper liner. 19m wide x 3.8mm high. Packaging: 100 strips per box. No cartons. 160 boxes per pallet (16,000 strips). For 24 pallet orders customers can have their own box & label for any mix of the unbranded product range of adhesive weights. See page 21.

ADHESIVE ROLLS

The strips are also available in 5Kg rolls. Quality made roll holders available. 150 rolls per pallet.

"EASY LINER" ADHESIVE TAPE



An innovative company - TRAX now has "Easy Liner" tape across the car adhesive range.

- Easy to remove with oversized liner
- Easy to tear with paper tape liner
- · Minimum damage to adhesive
- Better weight fitment
- No more frustration



BALANCE WEIGHT TECHNOLOGY

614B / 614C - In grey or black plastic coating





















with paper tape liner



with blue plastic tape liner.

Difficult to tear / Damages adhesive / Problems on fitment

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TRAX Professional		Coating	Width	Heiaht	Adhesive	Tape liner color	Easy tear paper tape?	Easy removal oversized liner?	Corrosion resistance microns (µ) Zn plating	Box atv	Boxes/ carton	Pallet qty boxes	Pallet qty cartons	Pallet qty strips/ rolls	Box	
5g/10g x 4 (60g)	9 2			,						:						
615C-060-TX50	-13	Zn + Grey plastic	19mm	4.0mm	HIGH STICK	Lohmann	Yes	Yes		50	4	320	80	16,000	TRAX PRO	Contraction of the
615B-060-TX00	a Pe	Zn + Black plastic	19mm	4.0mm	HIGH BOND	Lohmann	Yes	Yes		50	4	320	80	16,000	TRAX PRO	1
					OE APPROVED											
5g x 12 (60g)	M				CAN BE FITTED				CORROSION							
614C-060-TX50	l'and	Zn + Grey plastic	19mm	4.0mm	DOWN TO -10°C	Lohmann	Yes	Yes	RESISTANCE	50	4	320	80	16,000	TRAX PRO	5
614B-060-TX50	N N	Zn + Black plastic	19mm	4.0mm		Lohmann	Yes	Yes	TYPICAL Zn	50	4	320	80	16,000	TRAX PRO	?
					S UB ZERU SES				PLATING 15µ							
5Kg rolls					a loa a conclud in the law 10 of 14 T											る目
614C-500-SP01		Zn + Grey plastic	19mm	4.0mm	Lohmann	Lohmann	Yes	Yes		-	No carton	150	No carton	150	TRAX PRO	· 译述
614B-500-SP01		Zn + Black plastic	19mm	4.0mm		Lohmann	Yes	Yes		-	No carton	150	No carton	150	TRAX PRO	
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RAX RAX

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GOOD CORROSION RESISTANCE

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Vhite

5g x 12 (60g) 505E-060-TX50 505C-060-TX50 505B-060-TX50

918 22

gty





Application guidelines for TRAX adhesive balance weights





PREPARE Wheel

Good surface cleaning is essential. Prepare the wheel by removing any excess dirt or break dust using a clean cloth and an appropriate cleaning agent (eg ispoproponol 90%). The wheel temperature ideally should be a mininum 16°C as lower rim temperatures will affect the ability of the adhesive to give a satisfactory intitial bond.

CUT TO Correct Weight

Once the wheel has been cleaned in the required imbalance zone, cut the strip or roll to the required weight. It is recommended to use scissors or a sharp knife to avoid rupturing or folding over the adhesive.



FITTING ADHESIVE WEIGHTS TO NEW OR REFURBISHED ALLOY RIMS - weights may not stick

A new or refurbished alloy rim may look clean but the surface paint or lacquer can have fresh wax or chemicals which do not allow a good adhesive bond. Please see page 20 for details of fitting adhesive weights to new or refurbished alloy rims.

TRAX "Professional" series adhesive weights with LOHMANN tape are recommended for new or refurbished alloy rims. NOTE: Fitting adhesive weights in cold weather can be a problem as standard adhesive tapes (eg "blue liner") can start to lose their stickiness below 16°C leading to poor bonding strength and weights falling off. For fitment at temperatures below 16°C we recommend using the TRAX Professional adhesive weight range which has been tested on cold wheel fitment down to -10°C.







3

REMOVE Protective liner

Remove the protective liner from the underside of the adhesive. Care must be taken not to touch or contaminate the exposed adhesive to dirt or grease prior to application.



APPLY WEIGHT

Fit the adhesive weight to the identified imbalance zone and apply even pressure across the balance weight to ensure that maximum adhesion is gained. Balance weight adhesive tape is pressure sensitive and the weight should be pushed hard across the length for 2-3 seconds to ensure a satisfactory initial bond. It is recommended not to re-seat the weight to ensure optimum adhesion.







WHY DO ADHESIVE WEIGHTS FALL OFF?

A reliable solution - The PROFESSIONAL adhesive weight range with LOHMANN TAPE is recommended for a high quality all round tyre shop adhesive weight fitment. Particularly recommended for new or refurbished alloy rims. Approved for OE use.

Reasons why adhesive weights may not be sticking to alloy rims...

1. For "blue liner" tape (including the St Gobain/Norton as used by some OE - plus most Chinese weights) it is recommended to only fit this tape to rims at temperatures of 16°C or above. Below this temperature the adhesive is less sticky and may fall off. The "blue liner" tape is designed to be fitted in car plants at factory temperatures. This is one reason why TRAX developed the PROFESSIONAL adhesive tape solution as this can be fitted down to minus 10°C. Tyre shops in cold weather can have adhesive weight fitment problems due to the adhesive not being very "active" at colder temperatures. More retention problems are noticed in colder weather months. It is recommended to store your adhesive weights at room temperature.

2. All adhesive tapes used on balance weights are pressure sensitive. It is necessary to push on the length of the whole weight hard for 2/3 seconds. Failure to do so may mean the adhesive will not chemically bond to the rim surface and may fall off. The Trax PROFESSIONAL tape offers a better solution as the tape is softer allowing for a more consistent and reliable fitting.

3. Grooves or a rough surface on the rim surface are also a problem. There is less surface for the adhesive to stick to, plus moisture can ingress under the tape from the ends. The Trax PROFESSIONAL tape is softer which allows a better fit to the inside of alloy rim surfaces which can sometimes be seen with "as cast" finishes or "orange peel" or machined grooves etc.

Typical blue liner tapes (eg most Chinese and St Gobain/Norton tapes) have a hard surface which is OK to stick to a smooth surface (eg a badge or bodyside moulding to a painted car surface) however the inside of alloy rims are not always a smooth flat finish. The Trax PROFESSIONAL tape is soft which means it will adhere better to a rough or grooved surface and therefore will typically stick better to the inside of alloy rims. The downside of using a soft tape (it is the carrier for the adhesive) is that it will not peel cleanly from the rims. In our experience fitters are more worried about making sure the weights will not fall off than if they peel cleanly from the rims after use.



Tip - use a CARAMEL WHEEL in an electric drill to quickly remove tape residue on the alloy wheel

Tip - if the adhesive weight is not sticking to the rim then take another and stick to clean glass. If the weight sticks well then it is not the tape adhesive causing the problem but the rim surface, poor cleaning, a lack of pressure on application or cold temperature. Or a combination of all these working together.

4. We recommend cleaning rims using an ISOPROPONOL based cleaner. It evaporates quickly and is relatively non-toxic, compared to alternative solvents. It is used widely as a solvent and as a cleaning fluid, especially for dissolving oils. It will also remove condensation from the metal rims.

5. On new or refurbished rims the surface energy (see technical note below) of the paint or lacquer can be too low to readily allow the adhesive to bond. Some paints and lacquers do not allow the adhesive to chemically bond with the rim surface - or the rim may have been wiped with cloth containing a silicone polish. The rim looks clean but in fact has a slippery surface not allowing the tape to stick.

The ability to stick may also vary around the inside of the alloy wheel if it has been sprayed with a lacquer or paint with a low surface energy (ie a surface which is not easy to stick to). The surface energy may vary as the paint or lacquer density changes depending on the spray consistency and how well it is sprayed behind the wheel spokes. This also helps explain why there can be differences in the bonding ability of adhesive tapes on different wheels.

This means you may get different sticking results depending where you fit the adhesive weight around the rim.

6. Sometimes on a new or refurbished rim the weight will apparently stick well but over a matter of days or a week or so will fall off as the paint or lacquer surface is still curing which can "lift" the weight. It is like painting in your house - although the paint is "dry" if you get close you can still smell the paint some days later as it can take time for the paint surface to fully harden and cure.

Technical Note - Surface energy is measured in dynes - the higher the dynes the better the stick will be. We recommend a minimum of 36 dynes as a surface energy level for alloy rim surfaces - although this is also dependent on ensuring the weight is properly fitted and the rim is clean. The ready bonding ability will also depend on temperature. We are aware of alloy rim surfaces down to 28 dynes - for example a rubber tyre will be around 30 dynes and you would not expect to stick adhesive weights to a tyre!

There are surface energy pens which will give an indication of a surface energy. They can only give an indication but are the only easy way of measuring surface energy - the alternative is to use a laboratory. We can advise sources of these "pens" if required but you can find them on the internet.

7. When fitting adhesive weights to new or refurbished wheels it is necessary to always clean the rims in the area where the adhesive weights are to be fitted using an ISOPROPONOL wet wipe. Not only does this help to clean the rim but it also removes condensation. Wet wipes are preferred - using a chemical spray will not be consistent and putting too much on to the rim is a problem as the weight may try to be fitted before the isoproponal has had time to evaporate.

Tip for OE tyre fitting - if using "blue liner" hard adhesive tape (eg St Gobain/Norton), it is recommended to store alloy rims in a heated warehouse for a minimum of 24 hours and to ensure the rims are at a minimum 16°C when balanced. Fitting rims straight from a delivery truck in cold weather should be avoided. This is not a requirement if using the Trax PROFESSIONAL range as the adhesive is still active at sub- zero temperatures down to -10°C.

TRAX PROFESSIONAL RANGE

614C







BALANCE WEIGHT TECHNOLOGY

ALSO AVAILABLE IN BLACK

615C

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Trax Professional Range - available in grey or black

60g strips		Coating colour
615C-060-TX50 5/10g	boxed 50 with 4 cartons/box	GREY
615B-060-TX50 5/10g	boxed 50 with 4 cartons/box	BLACK
614C-060-TX50 12 x 5g	boxed 50 with 4 cartons/box	GREY
614B-060-TX50 12 x 5g	boxed 50 with 4 cartons/box	BLACK
5kg Rolls		Coating colour
614C-500-SP01		GREY
614B-500-SP01		BLACK









HIGH PERFORMANCE – OE TAPE

A high instant stick and premium bonding adhesive - with tape as approved by Original Equipment companies. A popular weight, widely used by aftermarket customers who want the best adhesive solution to ensure weights do not fall off.

COLD WEATHER ADHESIVE WEIGHT FITMENT

The Trax PROFESSIONAL range is fitted with tape that has been developed for fitment in cold temperatures down to MINUS 10 °C. Typical "blue liner" adhesive weights for OE and aftermarkets are not recommended to be fitted below 16 ° C. At lower temperatures the "blue liner" adhesive becomes harder and may not stick causing the weights to fall off.

RECOMMENDED FOR NEW OR REFURBISHED ALLOY WHEELS

The Trax PROFESSIONAL range is recommended for fitting to NEW or REFURBISHED alloy wheels where low surface energy (non-stick) paints and lacquers can cause weights to fall off. See website or page 20 for more information.

20mm wide by 4.0mm high. 60g strips 12x5g or 4x5g /4x10g

FITTING ADHESIVE WEIGHTS TO NEW OR **REFURBISHED ALLOY WHEELS FSSENTIAL GUIDANCE**

New or refurbished alloy rims may have coatings and lacquers applied to the alloy surface. Also when the rim paint is being dried, waxes can come to the surface creating a low surface energy (non-stick) and not allowing the adhesive weight to properly bond to the rim.

For this reason it is essential to clean the rims where the weight is to be applied to ensure that there are no traces of chemicals on the surface (eg wax or silicon).

Failure to clean the rim can lead to adhesive weights falling off within days of fitment, causing balancing failure.





Wet wipes are recommended for rim cleaning containing an appropriate cleaning agent (eg isoproponol). On weight application, the wheel rim should be dry and be at a minimum temperature of 16°C (60°F). After removal of the backing liner, the weight should be fitted immediately and a minimum 60N pressure applied for approximately 3 seconds as tape pressure is required to enable good bonding. Typically this can be achieved by hand pressure but may not be reliable. The adhesive should not be touched before fitment to the rim.

Even with good surface cleaning, problems have been found whereby over time (a few days or up to 3 weeks) good initial adhesion can deteriorate to an extent where the weight can fall off. This can be caused by the leaching of low surface energy substances (eg wax) coming through the freshly painted rims over time. Should such an event occur, it is necessary to investigate the paint or lacquer used to ensure that at all times the surface energy where the adhesive weight is fitted is above a recommended 36 dynes. Adhesives will only work if the surface energy (measure in dynes) is sufficiently high to ensure a good chemical bond.

Initial bond is typically achieved approximately 15 minutes after fitment; maximum bond strength may not be achieved until 24/72 hours after fitment. It is recommended to store adhesive weights in a cool dry location away from direct sunlight and they should be used within 1 year of purchase.

Depending on the wheel radius, there may be a small visible gap between the adhesive and the rim, either on the centre or to the outer edges of the weight. This is due to radii difference as the weight fitment meets a compromise on various rim sizes. The balance weights have been tested to withstand a minimum shear force to Original Equipment standards and, whilst desirable, it is not essential to have the adhesive in contact across all of the surface to achieve specification.



BALANCE WEIGHT TECHNOLOGY



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