

FORTRIS LOAD SECURE LTD

Load & Cargo Securing Catalogue

STRAPPING

LASHING

DUNNAGE BAGS



Yearly millions of pounds worth of cargo is lost due to transportation damage

- * Prevent this from happening
- * Use load & cargo securing products
- * We help to prevent transport damages
- * Protect your customers purchases
- * Protect your customers businesses
- * A few pounds for a peace of mind
- * Growing business opportunities



Introduction of Load Security

The prevention of damage to goods during transport is of utmost importance to ensure the safety of all persons involved in the logistic chain and protecting the environment in which we live.

Some pages in this catalogue are designed to make a number of recommendations regarding the use of our products for typical load securing applications in containers and on flat racks with the aim of preventing the movement of goods and damage.

It is based on the recommendations found in the IMO booklets “Guidelines for Packaging of Cargo Transport Units” known as the CTU Guidelines and the “Code of Safe Practice for Cargo Stowage and Securing”.

The recommendations found in this guide are accepted by many shipping lines and surveyors. However, the safety of the cargo and responsibility for using our products correctly to our instructions always lies with the shipper himself.

Due to the diversity of customer applications and products, Fortris can only make a number of standard recommendations for typical applications.

Fortris will provide further support for more complex loads and customer specific applications on request. Support can be received by contacting our office via our website: www.fortrisuk.co.uk

Guidelines for Packing of Cargo Transport Units (CTUs)

The IMO booklet “Guidelines for Packing of Cargo Transport Units” (CTUs) makes a number of recommendations regarding the stowage and securing of cargos on or in CTUs. A selection has been made of the most relevant recommendations when stowing cargos in containers and flat racks.

①

Secure the cargo against it falling out when the doors are opened



②

Secure the Cargo prevent movement



③

Ensure a tight stow from wall to wall and fill spaces with dunnage bags



④

Build a secure face of the cargo at the doors prevent cargo “fallout”



⑤

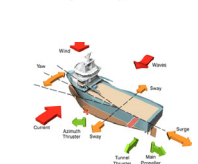
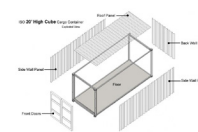
Ensure that the cargo weight is evenly distribute over the CTU floor. The centre of gravity of the cargo should be under 50% of the height of the container



Not more than 60% weight over 50% of CTUs Floor!

⑥

Take particular care to secure cargos on open sided CTUs against sideways movement



Fortris Load Secure...



Securing Cargo Worldwide

Strapping

- Strap Material
- Strap Tensioner
- Strap Dispensers
- Buckles & Hooks



Dunnage Bags

- Paper Dunnage Bags
- Woven Dunnage Bags
- Dunnage Bag Inflator
- Air Compressor



Containerisation Securing Cargo

- Lashing
- Lashing Systems
- Bar Wedge
- Desiccant Bags



- Ratchet Straps
- Jumbo Edge Protectors
- KS 90 Edge Protectors
- 20mm Edge Protectors

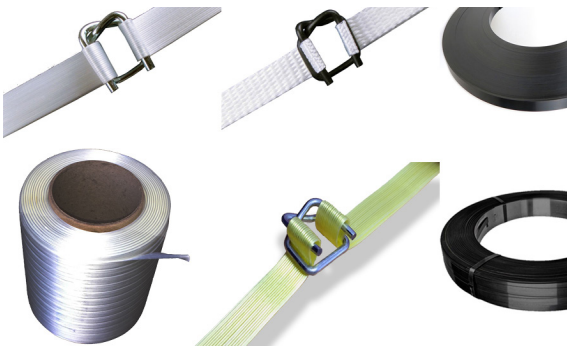


Strapping

Strapping - also known as bundling and banding, is the process of applying a strap to an item to combine, hold, reinforce, or fasten it. The strap may also be referred to as the strapping. Strapping is most commonly used in the packaging industry.

Strap Material

- Hot Melt Strap
- Composite Strap
- Woven Strap
- Bale Strap
- Ribbon Wound Steel Strap
- Oscillated Steel Strap
- Extruded Polyester Strap



Strap Tensioner

Fortris Tensioner has been designed for professional use offering you the superior quality you expect. Available in various sizes:

- 20mm
- 25mm
- 40mm



Dispensers

- Composite Strap Dispenser
- Static Woven Strap Dispenser
- Mobile Woven Strap Dispenser



Buckles & Hooks

- Gold Wire Buckles
- Gold Hooks
- Gold Drop Forged Buckles
- Phosphated Buckles
- Galvanised Buckles



Hot-Melt Strapping



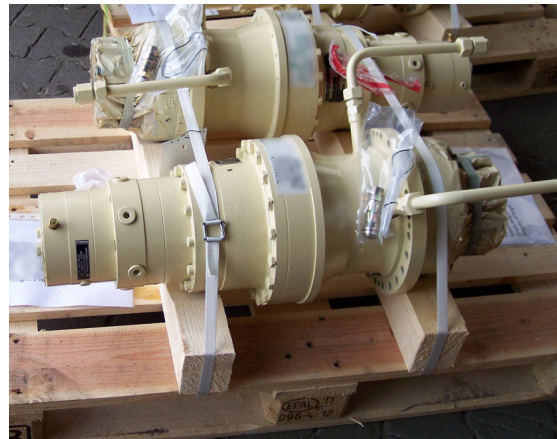
- No Damage to delicate surfaces since it is a textile material
- No corrosion & easy handling
- Low investment costs – a small, manageable system
- Retensionable in case of volume loss of the packaging goods
- No Risk of injury for shippers and consignees in using or opening the strapping
- High breaking load, in linear and system
- Dynamic transport movements are absorbed by the elasticity of the strapping
- Easy disposal
- Weatherproof (UV Radiation)
- Available width 9mm to 32mm (1/3" to 1 1/4")

Coloured Hot Melt

Fortris Hot Melt Strapping is available in various colours such as White, Yellow, Red, Blue and many more. You can also ask our sales staff for more colours.

The basic version of all current polyester strapping Hot Melt Straps have been applied for many years in all industrial branches and are gentle on delicate edges and surfaces. They can be tensioned by hand or by using tools. It can be used with buckles or just using knots for easy binding. The special lamination provides a controlled unreel, meter by meter. That makes it perfect for use in automatic baling press machines.

The material absorbs very little moisture, is weather resistant and protects sensitive surfaces against damage. Furthermore it can be retensioned in case of volume loss in packaged goods and has a high breaking load, linear and within a system.



Strapping with wire buckles

An Important key to all one way strappings.

Wire buckles are the most economic solution for all our strapping systems up to 32mm. When using wire buckles it is important that the belts are applied in the correct way and that the system will be tensioned on the right (left) side of the buckles.

Tensioning on the wrong side will weaken the system and therefore it is not safe.

Item	Belt Width	System	System Core	Meter p.Coil
40HM	13 mm	380 daN	76mm	1100
50HM	16 mm	460 daN	76mm	850
55HM	16 mm	630 daN	76mm	600
60HM	19 mm	560 daN	76mm	500
65HM	19 mm	560 daN	76mm	600
85HM	25 mm	950 daN	76mm	500

Polyester Composite Strapping

The best solution for many applications.

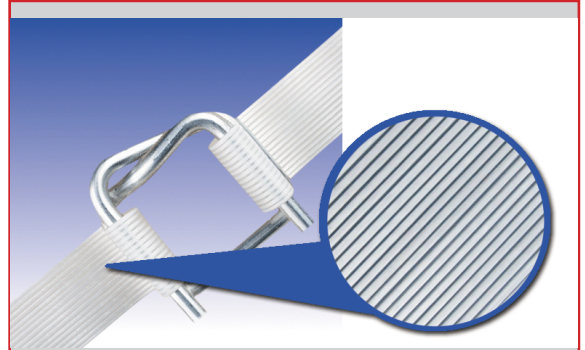
Polyester Composite straps are especially made for usage on rough environmental materials and sharp edges.

The optimise strength is the perfect base to secure the cargo. Composite is made of parallel layers of single polyester threads laminated together with polypropylene.

It does not split, it's flexible and can be used universally. The core of our composite strapping is made of untwisted polyester yarn. Due to our unique and patented process in manufacturing for untwisted yarn this strapping achieves higher strength and lower elongation.

The special recipe of our polypropylene coating ensures an optimal compound with the polyester fibres and is at the same time resistant to most chemical solvents, caustics and acids. Due to higher abrasion protection it is well suited for products with rough surfaces and edges.

For all our composite belts we recommend to use galvanised buckles. In several tests they have performed better than others.



- **High System Strength**
- **No Damage or scratch on any surface**
- **No corrosion – no splicing**
- **Comfortable handling, easy to push under pallets**
- **Low investment costs for this small manageable system**
- **Retensionable & torsion absorbing**
- **No risk of Injury for shippers and consignees in using or opening the strapping**
- **Available width 13mm to 32mm (1/2" to 1 1/4")**
- **Linear breaking strength available from 200 to 1500 daN**
- **Weatherproof (UV radiation)**
- **Easy disposable**



Coloured Composite Strapping

Our successful composite strapping belts are also available in different colours like blue, green, pearly white, dark grey, and yellow. You also can ask our sales staff for special colours. Please send us your special request and our sales team will quote the best possible price for you.

Item	Belt Width	Linear	System	Meter p.Coil
FLS60KF	19 mm	380 daN	610 daN	700
FL40KF	13 mm	300 daN	480 daN	1100
FL50KF	16 mm	425 daN	680 daN	850
FL60KF	19 mm	475 daN	760 daN	600
FL65KF	19 mm	625 daN	1000 daN	500
FL85KF	25 mm	785 daN	1260 daN	500
FL105KF8	32 mm	1500 daN	2400 daN	300

Polyester Woven Strapping



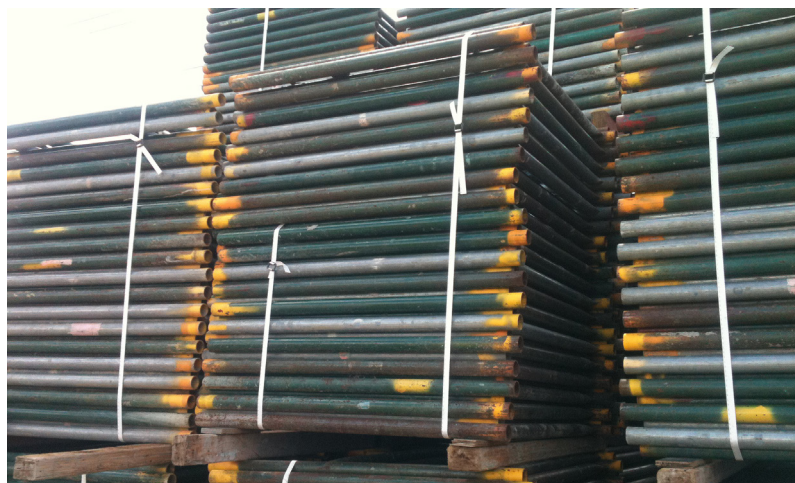
- **No damage to most surfaces**
- **No corrosion & Easy handling**
- **Low investment cost**
- **High shock absorption**
- **A small, manageable system**
- **Limited resistance against lyes and acids**
- **No risk of injury for shippers and consignees in using or opening the strapping**
- **Available width 13mm to 25mm**
- **Linear breaking strength available from 295daN to 1500daN**
- **Special glue coating for usage in bailing press machines available**

Woven strapping PES belts are made of high tensile polyester yarns. Due to its material characteristics it has low elongation (below 10%), is highly tear proof and absorbs very little moisture.

Furthermore it can be retensioned in case of volume loss in the packaged goods and has a high breaking load, linear and within the system.

We provide our woven strapping with a width of 13 mm and a traction force of 375 daN linear / 690 daN within a system up to a width of 25 mm and a traction force of 1.350 daN linear / 2000 daN within a system.

Woven Strapping does not splice, is flexible and universally applicable. Our competent sales team will be happy to assist you in choosing the best suited strapping band and matching accessories.



Item	Belt Width	Linear/System	Length/Coil	Coils/Carton
FL 40 PES	13 mm	375 daN/600 daN	1100m	3
FL 50 PES	16 mm	450 daN/720 daN	850m	3
FL 55 PES	16 mm	600 daN/960 daN	600m	3
FL 60 PES	19 mm	580 daN/930 daN	600m	3
FL 65 PES	19 mm	750 daN/1200 daN	500m	3
FL 75 PES	19 mm	1100 daN/1760 daN	500m	3
FL 85 PES	25 mm	1000 daN/1600 daN	500m	3

Polyester Extruded Strapping

PET Extruded Polyester Strapping is the safe and economical alternative to steel strapping or banding systems. Extruded Polyester Strapping, abbreviated to PET strapping (polyethylene terephthalate) is used in heavy duty applications demanding high tensile strength and fast application by the installer.

Twice as strong as polypropylene strapping and as strong as steel banding, PET Strap is capable of withstanding and retaining a much higher tension on rigid loads. Typical PET extruded polyester strapping applications include bricks, timber, and textiles.

Extruded Polyester Strapping is also safer to use than steel strapping as it does not have sharp edges or present a whiplash hazard to the user.

The featured of extruded polyester strapping also provide many additional benefits over other strapping products. PET strapping is lightweight, flexible, easy to handle, and will not rust (non-corrosive), scratch or stain strapping loads.



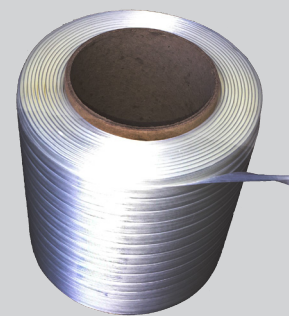
- **High Strength System**
- **Cost effective alternative to Steel Banding**
- **Capable of withstanding higher tensioning**
- **Safer to use than steel banding**
- **Retain tension of rigid loads**
- **Highly resistant to weathering and ultraviolet**

Bale Strapping

Bale strap can also be known as bailing tape or bale press strap. It comes in a wide variety of sizes to fit most bailing machines and waste compactors. Bale strap can also be easily hand tied to secure compacted bales, drums or awkward loads. Bale strap will not tear or fray and can be used with heavy duty steel buckles.

It is non-toxic, will not corrode, rust or stain the goods. It can be used as an alternative to light grade steel and will not damage your products or fork lift truck tyres. It also has a high shock absorption capacity during transportation.

Strap Size	System Strength
9mm x 250m	255daN
9mm x 350m	255daN
9mm x 500m	255daN
13mm x 350m	360daN
13mm x 500m	380daN
16mm x 425m	460daN



- **Strong and lightweight**
- **Easily tied and more secure**
- **Superior to polypropylene string**
- **Minimise injury**
- **Will not unravel**

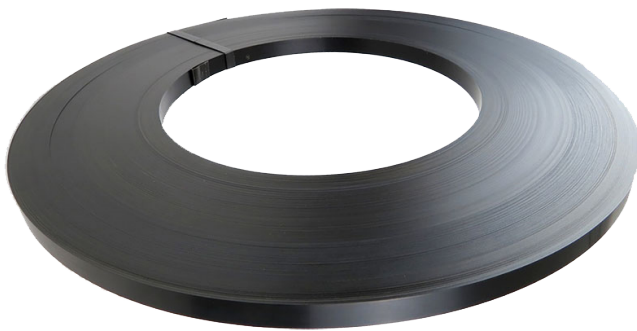
Ribbon/Oscillated Steel Strapping

Steel Strapping

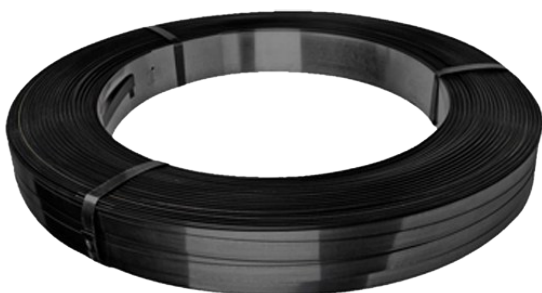
Steel Strapping is used for heavy duty holding where high strength and minimal stretch is required. Steel strapping is commonly used to securely transport Steel Coils, bundles of metal, bailing wire and bricks. Fortris Steel strapping is made from the highest quality steel making it the highest tensile strength strapping.

Steel strapping is heavy duty designed to secure cargo, loads, pallets and consignments with sharp angles. Steel strapping conforms to sharp angles and awkward shapes, meaning that this strapping is ideal for securing, storing and sending any irregular shape consignments.

Ribbon Wound steel strapping has each layer of steel wound directly over the one below – this type of steel banding makes the width of the steel strap the same as the width of the steel coil. Steel banding supplied in cold rolled ribbon wound coils with sheared and dressed edges for safety with a black painted finish for added rust and corrosion protection.



Mill wound steel strapping is much larger coil than ribbon wound strapping. Mill wound steel banding strap is uniformly and tightly coiled across the width of the core. Both ribbon wound and oscillated steel strapping are ideal for securing export cases, sharp edged objects, heavy duty transport packaging, bundling and pallet banding.



Ribbon Wound

- **High Strength - strapping system for high break strain strap applications.**
- **High Tension - steel strapping tools provide high tension safe and secure banding.**
- **Cuts and Abrasion Resistant - Steel banding strap resists cuts and abrasion for road, rail, air or sea freighting.**

Oscillated Steel Strap

- **Steel strapping coil weight is approx 50kg.**
- **Used for general banding, strapping, palletising and bundling of heavy loads.**
- **Use with Fortris Load Secure UK's Steel Tools and Oscillated Steel Band Dispenser.**
- **Extremely strong breaking strain.**

Strap Tensioner

Fortris strapping tensioner is designed for professional use and provides you with the high quality you expect. It has been developed to highly pretension our textile strappings.

Fortris strap tensioners are designed for all strengths of tension applications. Our corded polyester and composite polyester strapping tensioners are made from high-cast aluminium.

These tensioners can be used for all your everyday strapping and tensioning requirements. Our tensioners to suit both corded polyester and composite polyester strapping are available as standard tensioners which are suitable for use with a large range of different width composite, woven and hot melt strapping.

Fortris Load Secure also stock heavy duty tensioners for corded polyester, composite polyester and woven polyester strapping up to 40mm wide. These are versatile strapping tools that tighten our strapping around the pallets and cartons, in order to improve stability and security.



- **Solid design**
- **Low maintenance**
- **Low investment costs**
- **Low weight**
- **Easy handling**

Available Sizes:

- **20mm**
- **25mm**
- **40mm**

Strap Dispensers

Fortris Load Secure provides various types of dispensers for the busy warehouses. We provide three different types, Static Woven Strap Dispenser, Mobile Woven Strap Dispenser and Mobile Composite Strap Dispenser.

The Fortris Mobile Dispenser consists of a rugged construction that is suitable for the high demands of modern logistics processes. Our strap dispenser is equipped with two metal side windows and a band brake. The metal side plates prevent lateral slipping of the strap, while the band brake reduces the run of the coil.

If you are unsure about any of our dispensers or tensioners, please contact our sales team and they will be more than happy to assist you in choosing the right equipment for your needs.



Available types:

- **Static Woven Strap Dispenser**
- **Mobile Woven Strap Dispenser**
- **Mobile Composite Strap Dispenser**

Buckles & Hooks

Gold Wire Buckles

Wire Buckles provide the optimal solution for load securing with our lashing straps. Due to the use of high quality steel used to manufacture these buckles it provides great strength. The special galvanised coating on the Wire Buckles provides the perfect protection against corrosion enabling them to last for a lengthy period of time.



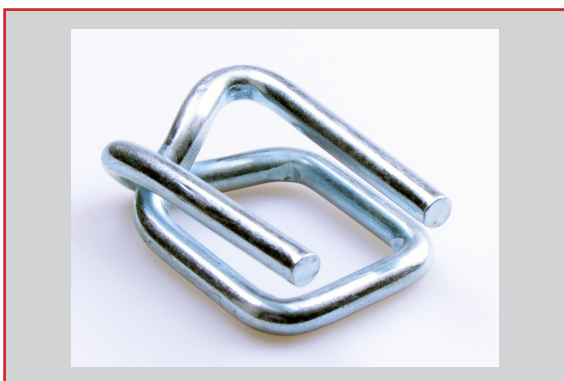
Gold Drop Forged Buckles

Gold Drop Forged Buckles are made from one solid metal piece without any weld points allowing for maximum strength. This method of manufacturing allows for additional strength as there are no weld points at which the buckles can break under heavy force. The Gold Drop Forged Buckles are made from high quality steel allowing for a high quality and strength buckle.



Phosphated Buckles

Phosphated buckles are made of steel and slightly roughened due to a special surface finishing. They are required to safely seal our woven strapping. The phosphated metal buckle has a roughened surface and has a higher system resistance than the galvanized buckle. These buckles are very useful for preventing the load strapping from slipping.

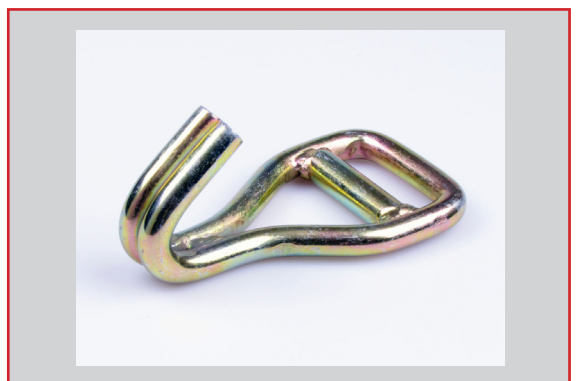


Galvanized Buckles

Our galvanized metal wedges serve to close a strapping band. They are made from steel and due to their galvanizing resistant against corrosion. The wedges are applied in combination with our Composite and Hot-Melt strapping.

Gold Hooks

Gold hooks are used for one way lashing. The high strength steel used to manufacture these hooks provides maximum protection for your load securing solutions. The hooks are coated in special galvanised steel which provides the perfect protection against corrosion. These two major advantages allow the hooks to last a lengthy period of time.



Dunnage Air Bags

Fortris Dunnage Air Bags

Fortris Dunnage Air Bags protect your cargo from sliding, falling, tilting, and other forces. Placed in the gaps / voids between cargos or container walls and filled up with air, the bags allow no space for the cargo to move at all. On top of that they are shock absorbing to the forces encountered during transportation.

You can always rely on Fortris dunnage air bags in rail, road, or sea transportation.

Paper Dunnage Bag Material

The outer layer material is made of a semi-extensible Kraft Paper construction with a very high TEA (tensile energy absorption). Depending on the cargo you can choose the number of layers. The air bag inside, "in liner", is made of co-extruded polyethylene (PE-mix) and guarantees perfect tightness even under high pressure.

Woven Dunnage Bag Material

The outer layer material is made of woven polypropylene fabric with lamination which is strong, durable and water resistant. The air bag inside, the "in liner", is made of co-extruded polyethylene (PE-mix).

Usage

To use place the bag in the gaps between your cargo and start inflating using compressed air. You can easily recognise when the bag is filled enough. Then it sits tight and unmovable in the vault. Don't over fill the bags to avoid damage to your cargo. Now your cargo is effectively secured during transportation. When unloading, just open the valve to deflate. You can use Fortris dunnage air bags several times.

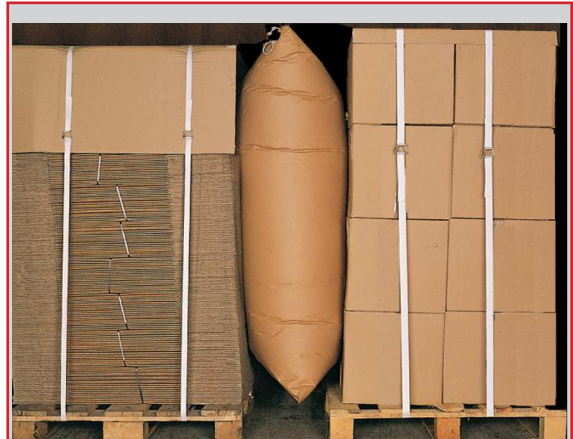
Size

Using the right size is a key point to safe transportation. The width of the bag is most important and the length is dependent on the cargo.

Size of gap/void:	>30 cm	>40 cm	>50 cm	>60 cm
Bag Size – width:	60 cm	90 cm	120 cm	150 cm

Fast Filling System

Our Mega Flow Valve, allows you to fill up air bags much faster with our Venturi air filling device. Blowing compressed air in the special jet chamber inside the filling device creates a vacuum and the device "sucks" a huge amount of additional outside air into the bag. This so called venturi effect saves 30-40% of your time filling bags.



- Many times re-usable
- ISO 9001:2008 certified
- SGS and ROHS test report
- TUV certificate
- Meets most safety standards
- 100% recyclable
- Many standard sizes available
- Choose 3 different valves
- Fast filling system available
- Very user friendly
- For all climatic condition
- Logo printing possible

Mega Flow Valve



Paper/Woven Dunnage Air Bags

Paper Fortris E Bags

Max. filling press = 18kPa / 0.18 bar / 2.6 P.S.I.

Our most economic kraft paper dunnage bag ever.

The very high quality of the paper used allows a standard medium filling pressure even with only 1 ply of paper. For light and medium weight goods without the risk of the penetration with sharp objects these bags are a good solution to secure cargo in a container.

Woven Fortris E Bag Standard

Max. filling press = 18 kPa / 0.18 bar / 2.6 P.S.I.

This is our most economic PP Woven Dunnage Air Bag ever. A half automated process allows us to offer this bag to a low cost price, but still with reasonable safety features. For light and medium weight goods, without the risk of the penetration with sharp objects, these bags are a great solution for securing cargo in containers.

Woven Fortris E Bag Medium

Max. filling press = 20 kPa / 0.20 bar / 2.9 P.S.I.

The PP 90 Easy bag is by far our popular dunnage air bags. Customers around the world have tried and tested this bag more than a million times and have never been disappointed. It can be used for light and medium heavy weights. The bag absorbs the forces encountered during transportation.

Paper Air Bags

Size cm

60x90

60x120

90x120

90x150

90x180

90x225

120x120

120x225

Woven Air Bag Standard

Size cm

60x90

60x120

90x120

90x150

90x180

90x225

120x120

120x225

Woven Air Bag Medium

Size cm

60x90

60x120

90x120

90x150

90x180

90x225

120x120

120x225



Dunnage Bag Inflator

Venturi Fast Filling System

This special tool is designed for the MEGA FLOW valve which is available for all Fortris dunnage air bags.

This fully proved system, that eliminated operator error, can fill your dunnage air bag 30 to 40% faster than any other compressed air filling system! The special designed venturi MEGA FLOW inflation tool leads the air stream in a special chamber and creates a vacuum to suck additional outside air into the bag.

Inflating of dunnage bag has never been easier and faster than with our new fast filling MEGA FLOW inflation tools.

- Press the handle to open the fork, apply it to the mega flow valve.
- Release the handle when inflator is on the valve to open it.
- You can hold the whole bag easy up with this inflator
- Open the slide valve (blue) on the inflators end to start inflating
- When the bag starts building up pressure, the over flow air stream will come out of the top opening of the inflator.
- To build up more pressure in the bag, simply close the top opening with your hand for some seconds.
- When the bag has reached your desired filling pressure, remove the inflator from the valve to close it.
- Close the blue slide valve.



Air Compressor

Fortris 90ltr Direct Drive compressor 2HP

Aluminium head with cast iron cylinder gives added resistance to wear. Suitable for general purpose workshop applications. Pump head directly coupled to heavy duty induction motor for reliable and quiet operation. Welded tank complies with latest European standards. Fitted with fully automatic pressure cut-out switch with twin gauges displaying tank and working pressures. Fitted with ASTA/BS approved non-rewirable plug.

Features:

Motor output: 2hp
Voltage/phase: 230V – 1ph
Rated Supply: 7A
Air Displacement cfm (ltr/min): 7(200)
Maximum Free Air Delivery cfm (ltr/min): 4.8(135)
Maximum Pressure: 116psi/8bar
Receiver capacity: 90ltr
Dimensions (W x D x H): 740 x 400 x 590mm



Container Lashing

Ready made belt lashing system

Container lashing has never been easier than with the Fortris container lashing ready-made belt system. It is for sure the most fast and effective load securing inside a container.

The goods are protected against damage caused by slipping or tilting etc. during transport, and when opening the container doors. There is no risk or danger of injury for the receiver when unloading the container

- The alternative to complex timber constructions
- Ready-made belt system = time and cost reduction
- The fast and inexpensive solution for good cargo securing inside a container
- Easy to hook the four vertical straps into the existing container attachment points (eyes)
- Belt width available as 32mm and 40mm
- Horizontal belts are movable or on a fixed position
- Available for standard and high cube (HQ) container
- Container lashing with 2, 3 or 4 horizontal belts

Polyester Woven Textile Lashing

One-way cargo securing strapping with a high tensile strength is an economic and easy to handle alternative for conventional tension belts and/or complex wooden crates for load securing.

The usage of lashing is steadily increasing as a method for load securing on flat racks and in containers. Lashing helps to replace expensive multiway straps and to support and replace complex wooden crates.

Furthermore lashing straps are utilized to tie bulky goods together and to fix them on suitable carriers. In combination with our metal buckles and using appropriate ratchets, reliable connections between product and carrier can be established, serving to protect your goods against all damages during transport. Lashing straps in widths of 32 to 40 mm with tear strengths from 2000 daN in linear traction up to 5000 daN.

Best results are often gained in combination with other products for load securing. Thus edge protectors protect lashing straps against sharp edges just like our dunnage bags prevent products from moving inside the container.

Our lashing straps can be delivered in bulk coils, in cartons, or in our handy and easy to carry dispenser bag.



- **High tensile strength**
- **Easy handling with dispenser bag**
- **Certified by Germanischer Lloyd**
- **Superior resilience, low elongation**
- **Combinable with other cargo securing systems -e.g. dunnage bags**
- **Alternative to expensive ratchet straps and bulky binding wires**
- **DB approved available width 32mm to 50mm**
- **Linear breaking strength available from 2000 to 5000 daN**
- **One-way strapping for securing (lashing) on flats, rail and in containers**
- **No risk of injury for shippers and consignees in using or opening the strapping**
- **Different colours and printings available**

Container Securing

Bar Wedge

The International Bar Wedge increases the retention forces of the locking bar and prevents the locking bar from slipping. The International wedge is suitable for 2x6" beam or 4x4" beam or two connected 2x4" beams.

A quick glance and you can detect a theft or a manipulation of the cargo immediately. The bar wedge saves time and money. The use of expensive wooden structures is eliminated. Suitable for intermodal containers.

Container Awning

The Fortris container awning is made to secure your cargo and save the people from falling goods when opening the container doors. It is designed for lighter goods and when ever loose cartons are loaded into the container.

The system consists of four 25mm strapping belts of 5 meter with an attached hook on one end and a 2,3 x 2,3 meter PP woven sheet with four attached clamp locks, one on each corner.

The four belts are made from our GW85PES strapping with a linear strength of 1000 daN.

That is strong enough to hold the first rows of cartons safely back in the container. The final cross lashing make this system far stronger than most container netting systems.

Cambuckle Strap

This simple transport belt can be used in any application where it is only a temporary need to fix some cargo onto a transporting unit.

For professional light weight use and personal leisure use.

Many applications in camping, outdoor activities, transportation of bicycles or motorbikes, boats , surf equipment and much more.

Fast and easy to apply to your cargo and it can be used many times. The belts are available with 25mm and 32mm width and have a system strength of 1000 to 1500 daN and is safe to use for any cargo up to 1000KG. For safety reasons it is wise always to use one extra belt.



Ratchet Straps

Ratchet straps are suitable for a variety of tie down applications. Ratchet straps are used to secure loads for transit on flatbed trailers, in vans and lorries, etc. Our heavy duty ratchet straps have strength ratings of between 4000kgs to 5000kgs and come in lengths between 8m and 10m. In addition to the full ratchet strap sets we also supply just the webbing part with a hook and the ratchet handles only.

Ratchet straps allow for one handed tensioning and an easy release buckle for effortless tightening and releasing of your load once at the destination. The range of heavy duty ratchet straps are made from soft, yet hard wearing polyester webbing.

Ratchet straps are used to hold down cargo or equipment during transport. Tie down straps are basically webbing that has tie down hardware sewn to it. The hardware allows the tie down strap to attach to the area surrounding the cargo or equipment, loop over the cargo or equipment, and/or attach to the cargo or equipment.

It usually also provides a method of introducing tension to hold the item in place. There are a variety of choices for hardware; ratchets, cambuckles, snap hooks, flat hooks, wire hooks, s-hooks, and much more.

Ratchet straps are manufactured to secure cargo in place on trucks, trailers, boats, and other freight carriers. Most straps are made with polyester webbing to minimize weathering and damage.

There is a wide variety of hardware for ratchet straps, such as; flat hooks, snap hooks, wire hooks, grab hooks, s-hooks, chain, e fittings, and more.

Ratchet Tensioner

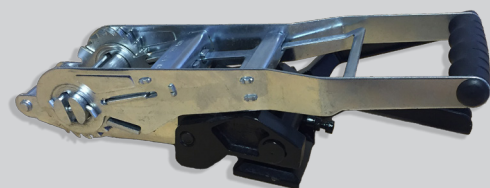
Fortris Load Secure Ratchet Tensioners have been manufactured to the highest standards using the best quality materials. This Tensioner provides high tension strength allowing for a more secure load.

Features:

- Economic solution
- Bracket extremely durable
- Bracket fits to many standard ratchets
- Fast and easy to change the ratchet
- For belts types up to 50mm



- **Manufactured to EN 12195-2:2001**
- **Hard wearing Webbing**
- **Batch tested for quality control**
- **Strength ratings are “minimum break strength”. Unless otherwise specified**
- **The strength rating is based upon a straight tensile pull; Load direction other than straight can result in a significant reduction in strength.**



Edge Protectors

Jumbo Edge Protectors

The Fortris Jumbo edge protector offers a lot of advantages thanks to its shape.

Specifications:

- 140x190x150mm
- 0.2900KG

Jumbo Edge Protector

Due to its versatile shape this Edge Protector offers a wide range of advantages.

- Edge Protector has been specifically designed for the Paper Industry.
- The fillet of the edge protection designed to protect the edge of the paper jumbo
- The unique design, ensures that the pressure point is in a optimise position

Angular dimensions: (leg x width) 140 x 190 x 150 mm

KS 90 Edge Protector

Economic cargo protection

- 90x90x135mm
- 30 units / Pallet
- 200 per box

The KS90 edge protector offers a very economic cargo protection

- Specifically developed to protect cartons and pallets
- Economic, easy reusable
- The unique design ensures that the pressure point is in a optimise position

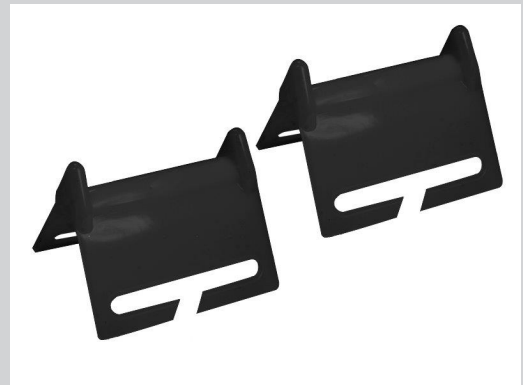
Technical specifications Angular dimensions:
(length x width) 90 x 90 x 135 mm

Plastic Edge Protectors

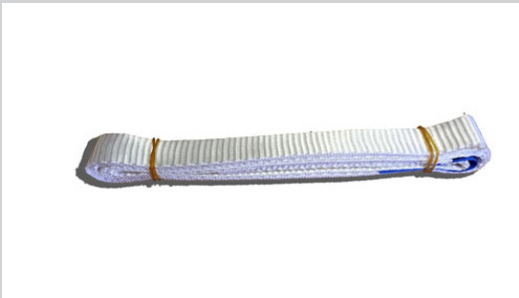
- 20mm Leg Length
- 19mm Wide
- 2000 per box

This simple edge protector offers a very economic cargo protection

- Especially developed to protect cartons and pallets
- Economic, easy reusable
- The unique design ensures that the pressure point is in a optimise position



More Fortris Products



Lifting Slings - Full Range Available

Endless Round Webbing Slings High strength to weight ratio, light to handle and easy to use. Shock absorbing construction and wide load bearing area produce a secure grip and eliminate damage to the load. A single-layered endless lifting sling made of 100% polyester material. The lifting sling has a safety factor of 7:1 and is CE Marked



Bulk Bags

Bulk bags are large heavy duty bags used for transporting free flowing dry products, scrap metal and various waste items that need to be transported in bulk safely. Bulk Bags are normally made from woven polypropylene with standard base dimensions of 90cm x 90cm or 1m x 1m and a variable height ranging from 87cm up to 2m tall depending on users needs and suitability. Bulk bags typically hold 500kg up to 2000kg of product. They can be lifted by the 4 lifting loops attached to the bag or can be placed onto a pallet.



Woven polypropylene sacks

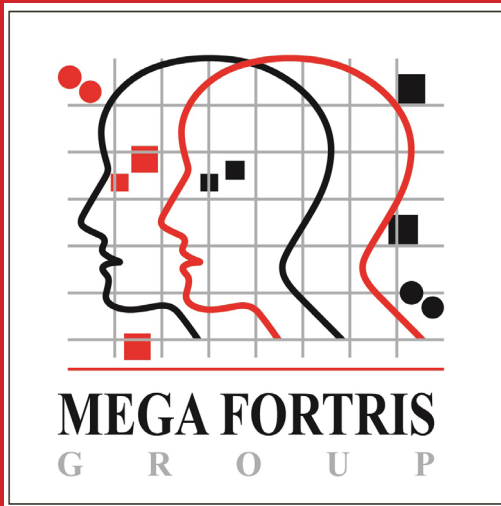
- 45x60cm (18x24")
- White
- 37gram/Bag

Woven Polypropylene Sacks are for single-use only. These large bags are made with polypropylene and are used widely in the scaffolding industry to hold metal fitting clips for scaffold's. These scaffolding clips are used with the banding strapping.



Plastic Slipsheets

Slipsheets are plastic slipsheets with a lip or tab of 3-6 inches referred to as a pull tab on one or more sides. They are made from high density Ppolyethylene and are coated with an anti slip laminate. With load capacities up to 2050 kg, these sheets offer one or two tab options that run the length of the sheet and bend to create easy-to-grasp edges that are "pulled" by the push/pull device. Many benefits result from their relative low cost, light weight, and compact size. Slip sheets cost about 85 percent less than wood pallets, less space is needed for storage and in transport, and their light weight reduces transportation costs. They are recyclable. They are handled using specialized push/pull attachments mounted on forklift trucks. When used with a push/pull device or roller fork attachment, plastic slip sheets create a low-weight shipping and warehousing alternative.



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FORTRIS LOAD SECURE LTD

Fortris Load Secure UK has over 40 years' experience in the Transport industry. We manufacture and supply dunnage bags in paper and woven materials and in all sizes for the maritime shipping industry. We manufacture composite strapping as well as woven polyester strap and hot melt strapping that caters for a wide variety of industries. We provide all cargo securing products to ensure your cargo is safe and secure during its journey.

Fortris Load Secure UK is based in the Centre of the country Burntwood, West Midlands allowing us to reach out to our customers efficiently. Our main industries of expertise is Transport and Logistics, Scaffolding, freight services, engineering and manufacturing.

Fortris Load Secure strapping is fully certified.

Securing Cargo Worldwide