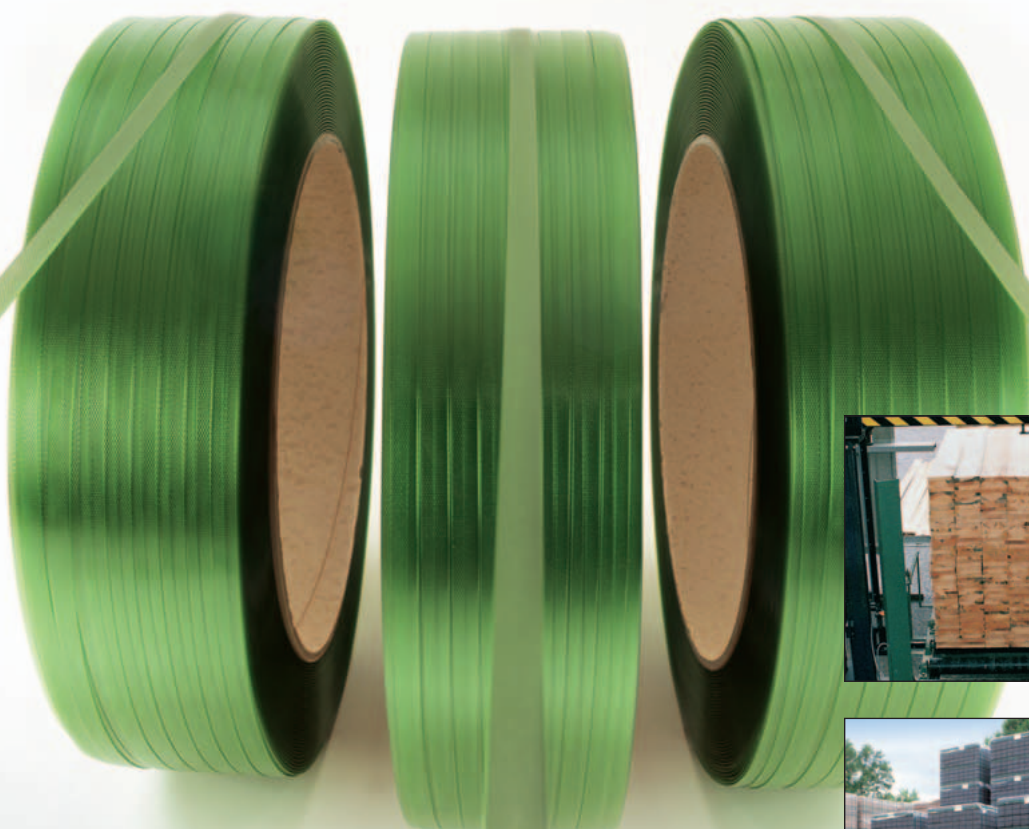


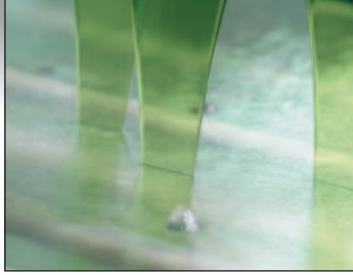
## Cyklop PET straps

The perfect answer for securing your load.



**CYKLOP**  
INTERNATIONAL

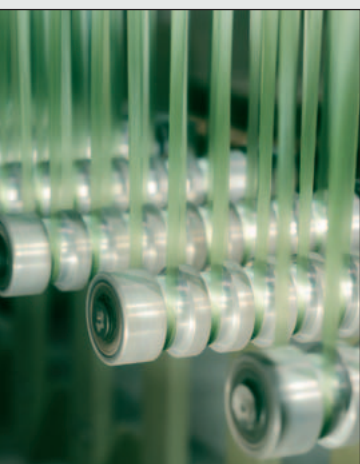
THE  
STRAPPING  
COMPANY



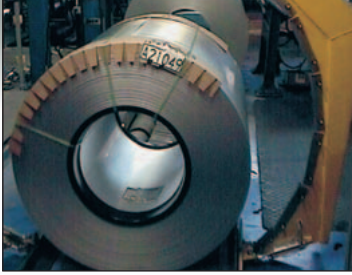
## Cyklop PET straps

Quality you can rely on.

Cyklop International is one of the pioneers of modern PET strap technology. At a very early stage the company recognised the enormous advantages of PET compared to steel strapping and played a major part in its development. Today, Cyklop is one of the leading manufacturers of polyester (PET) straps for load securement, with production facilities in Germany and several international locations.



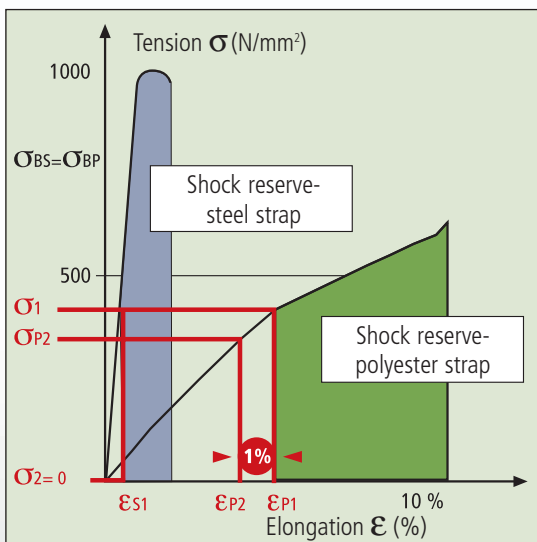
The quality of Cyklop's PET straps currently leads the way. It results not only from experience, but above all, from "a systematic approach to manufacturing": Intensive research, regular improvement to detail and a superior production process are the pre-conditions which guarantee maximum load securement right across the whole range of Cyklop PET straps.



## Cyklop PET straps

### More retaining strength than steel strap.

Securing loads adequately is not only found in the consistency of the strap – the retaining strength of the material is just as important. In comparison to steel straps, Cyklop PET straps offer two unbeatable advantages: Polyester absorbs high impacts far better than steel thus retaining the load more effectively. And thanks to its much greater elasticity, it effectively compensates for possible losses of tension due to settling. Together, these two important benefits considerably increase load securement.



#### Why PET is superior to steel strap.

- Higher shock reserve and better retaining strength (= more load securement)
- Lower risk of injury (= greater industrial safety)
- Low weight, easy handling (= lower labour costs)
- Lower transport costs and storage space (= lower costs)
- Less damage to packages, weather resistant and corrosion-free (= fewer complaints)
- Optimal economy

#### High shock reserve

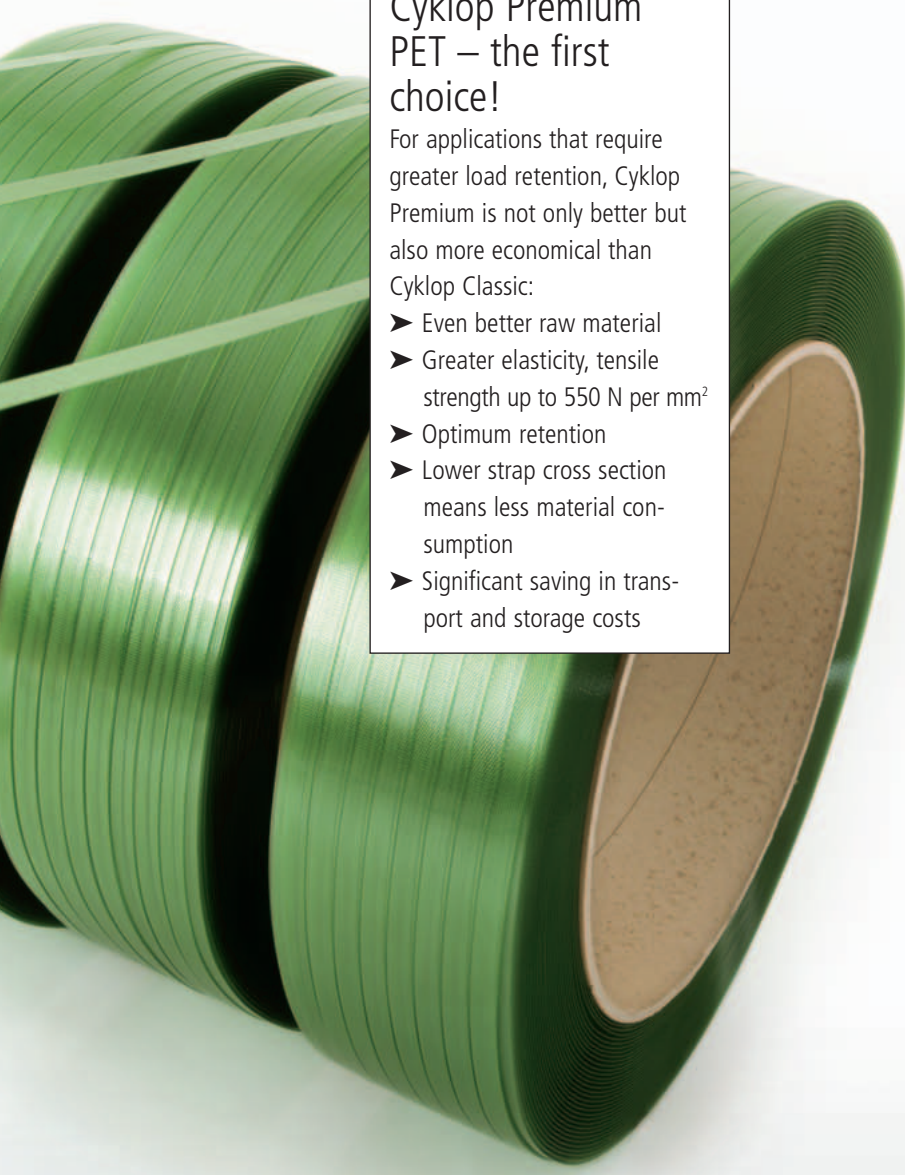
On long journeys to the customer, loads can be subjected to rough treatment: Hard braking, uneven road surfaces, unexpected shunting movements or other impulse-like pressures and generally poor handling subjecting the strap to enormous forces. While steel straps have only a very limited shock reserve, PET straps are much more capable of absorbing the shock – and thus safely protect the load. (Details are shown in the chart)

#### Retention of goods

Settling packages or loads present a real challenge for steel strap; as the chart shows. Due to its almost total lack of elasticity steel is unable to compensate allowing the straps to loosen. The end result being unsecured and dangerous loads. PET, however, compensates for this with its elasticity of 8 % – thus keeping the goods secure to their journey's end.

#### Health and safety issues

Injuries resulting from the “snap” effect or the sharp ends of the straps are relatively frequent when working with steel straps. Cyklop PET straps, in comparison, are not only much safer – but also extremely convenient to handle: Changing coils is a one-man operation due to the 50 % reduction in weight compared to steel – and with more strap per coil, fewer coil changes are necessary. 90 % less storage space, weather-resistance and easier handling of delicate breakable goods are further advantages of PET.



## Cyklop Premium PET – the first choice!

For applications that require greater load retention, Cyklop Premium is not only better but also more economical than Cyklop Classic:

- Even better raw material
- Greater elasticity, tensile strength up to 550 N per mm<sup>2</sup>
- Optimum retention
- Lower strap cross section means less material consumption
- Significant saving in transport and storage costs



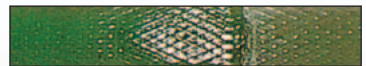
Application: chemical fibre bales



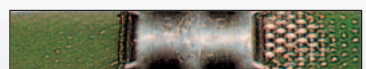
Application: Metal products



Application: Concrete products



Friction sealing



Metal seal

### And the best thing is the price

Apart from just a few special applications, PET straps are superior to steel straps from practically every point of view – and that includes price. Substantial savings are to be made metre for metre, which means that the payback time for your investment in new equipment is very short.

### Two strap qualities

Cyklop PET straps are available in two different qualities and a wide range of well tried specifications.

**Cyklop Classic** has a tensile strength of 450 N/mm<sup>2</sup>. The classic among straps is suitable for the majority of standard applications such as the strapping of corrugated board and cartons, drink cans and bottles and any sharp-edged products.

**Cyklop Premium** has an enormous tensile strength of 550 N/mm<sup>2</sup>. Thanks to its low strap

cross section it has even more elasticity than Classic and thus achieves a higher retaining strength. Cyklop Premium is ideal for the toughest strapping jobs – offering maximum retention and excellent economy.

Cyklop strapping equipment has been designed to complement the high standards of both Cyklop Classic and Premium PET: From simple battery rechargeable hand tools to fully automated strapping systems.



## Cyklop PET straps

Ideal for the most difficult tasks.

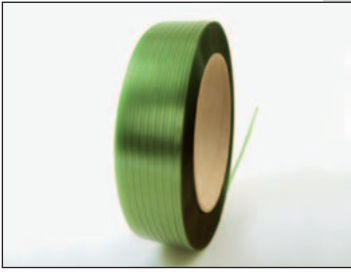
Quality starts with the raw material: Cyklop uses only high-quality granules – devoid of any kind of contamination – supplied by a small number of specialist companies who work extremely closely with us. The process makes the difference: In the final analysis, this special partnership makes the difference. Specific granulate formula combined with Cyklop's superior production know-how are the 'secret' of consistent quality as well as optimal strap and edge tear resistance.



Production experience and attention to even the smallest detail is what counts. For example, by embossing the surface of the strap we achieve improved movement within the strapping machine as well as very consistent welding results.

The systematic approach is the key to perfection: Our strap quality always meets the needs of our customers and is precisely coordinated with the development of the respective Cyklop tools and machines until uninterrupted continuous operation is guaranteed.

Quality management provides the assurance: A continuous chain of controls – from the procurement of raw materials to the manufacturing process according to quality standard ISO 9001 – plus the latest testing methods ensure that our customers receive only first-class quality.



### Cyklop PET straps

Diverse specifications in various reel sizes;

	<b>Classic 450 N</b>	<b>Premium 550 N</b>
Breaking strength:	2,000 N to 8,500 N	2,900 N to 10,200 N
Strap width:	9.2 mm to 18.5 mm	12.5 mm to 18.5 mm

Cyklop also offers complete solutions for PP strapping consumables, as well as stretch and adhesive technology.



### Cyklop strapping hand tools

Cyklop hand tools are ideally designed for the processing of Cyklop PET straps and offer innovative solutions for every strapping job.



### Cyklop strapping machines

Cyklop offers a complete range of high-quality machines and systems for PET processing – each customised to the commercial operation.

### Sector applications

Cyklop PET straps are ideal for load securement in many sectors: ► Automobile supplies industry ► Building materials industry ► Printing + Paper ► Electrical industry ► Merchandise distribution centres ► Timber industry ► Corrugated board ► Chemicals industry ► Metal industry and many more