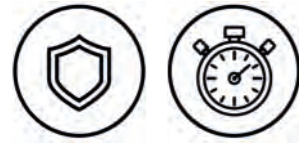




Green Pin Tycan® Lashing Chain

As strong as steel, a fraction of the weight

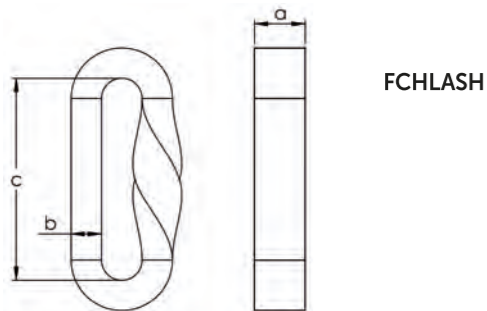


safer working improved efficiency



Material: Made with 100% Dyneema®, layers of webbing in a Mobius twist with stitching on each side
Safety Factor: MBL equals 2 x Lashing Capacity
Temperature Range: -60°C (-76°F) up to +70°C (158°F)
Certification: 21 22 MTC[®] DNV-GL TQ CE

link size	lashing capacity	width link	thickness link	length inside	links per mtr	weight per mtr
mm	t	a mm	b mm	c mm		kg
15x25	10	25	15	100	10	0.58
inch	t	inch	inch	inch		lbs
19/32 x 1	10	1	19/32	4	10	1.28



Green Pin Tycan® has been created from the world's strongest man-made fibre, Dyneema®, and is a link chain that has all the performance and flexibility of steel chain but is a fraction of the weight. It is very safe to use, non-corrosive and waterproof. In fact, it even floats! The soft touch and light weight makes Green Pin Tycan® easy to use, allows quicker application and greatly reduces the potential of damage to cargo, a critical factor when handling objects with sensitive surfaces. By using Green Pin Tycan® companies achieve greater efficiency and a safer working environment for their staff.

Quality assurance

- Every chain length is tested at Lashing Capacity (LC).
- Visual inspection is carried out on each chain link to detect possible defects.
- A 5-link sample of every 1000 meters (0.62 miles) produced is tested to destruction to confirm the MBL.
- Green Pin Tycan® has a Technical Qualification Certificate DNV-GL.
- Declaration of conformity to the Machinery Directive 2006/42/EC with relevant CE marking.

Where and how can Green Pin Tycan® Lashing Chain be used

- Green Pin Tycan® Lashing Chain is a general purpose lashing chain that can be used within the limits as set forth in this user manual.
- Green Pin Tycan® Lashing Chain can be used in min/max environmental temperatures, but should not be exposed to temperatures above +70°C (158°F).
- Green Pin Tycan® Lashing Chain is able to lash loads safely only up to the designated LC.
- Green Pin Tycan® Lashing Chain can be used on land, at sea and in a subsea environment.
- Green Pin Tycan® Lashing Chain should be used under static or near-static conditions.

Verification before first use

Before first use of Green Pin Tycan® Lashing Chain it should be ensured 'that':

- Green Pin Tycan® Lashing Chain meets the exact requirements specified in the order.
- The valid manufacturer certificate and CE declaration are available for examination and/or verification.
- Ensure that manufacturer's label(s) are present and legible and that the label(s) contain the same information as the manufacturer's certification.
- The users of the sling have received appropriate instruction and training.

Verification before each use

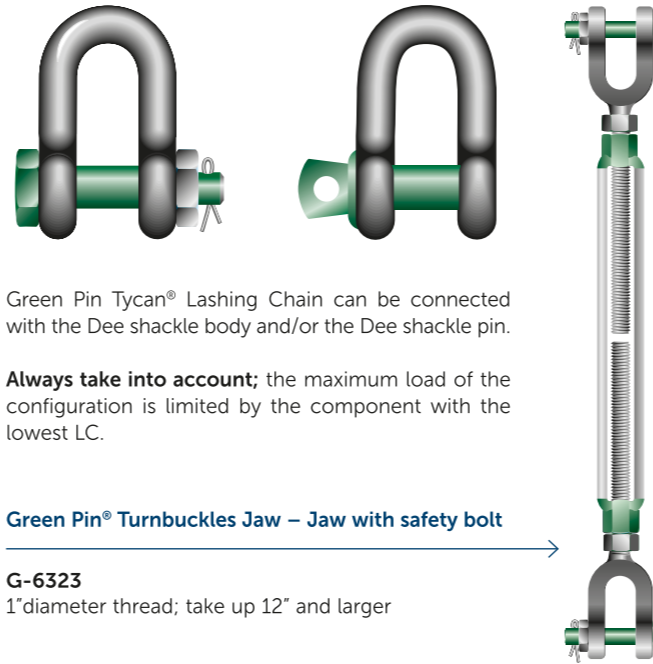
- Check Green Pin Tycan® Lashing Chain for any damage, defects or missing ID tags prior to each use. Never use damaged Green Pin Tycan® Lashing Chain.
- Connect Green Pin Tycan® Lashing Chain to recommended components as mentioned further in this manual or to certified components with a minimum pin diameter of 16mm, a clevis width of 26 0/+5mm and a maximum surface roughness of 5 microns.
- Green Pin Tycan® Lashing Chain must be inspected before each use and if any damage is detected removed from service. See Inspection and Removal from Service Criteria.
- Ensure that Green Pin Tycan® Lashing Chain is rigged according to the load, the planned lashing operation and according to the boundary conditions set forth in the user manual.
- Use Green Pin Tycan® Lashing Chain only with a minimum number of 5 load bearing links per sling leg.

User manual

Recommended products for use with Green Pin Tycan® Lashing Chain

Green Pin® Standard Shackles

- G-4153**
Dee shackle with safety bolt
GPGDMB19; WLL4.75t
- G-4151**
Dee shackle with screw collar pin
GPGDBB19; WLL4.75t



Green Pin Tycan® Lashing Chain can be connected with the Dee shackle body and/or the Dee shackle pin.

Always take into account; the maximum load of the configuration is limited by the component with the lowest LC.

Green Pin® Turnbuckles Jaw – Jaw with safety bolt

- G-6323**
1" diameter thread; take up 12" and larger

Recommended products for use with Green Pin Tycan® Lashing Chain

EXCEL® Connecting link, grade 10

UMJ13; WLL6.8t

The recommended EXCEL® Green Pin® components in combination with Green Pin Tycan® Lashing Chain are approved to use up to LC10t.



Always take into account; the maximum load of the configuration is limited by the component with the lowest LC.

Hook for Green Pin Tycan®

HKK20A050; LC10t

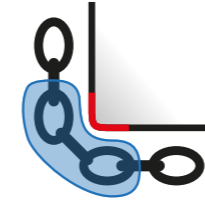


Instructions for use

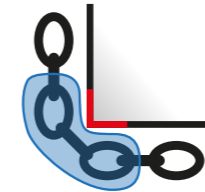
In case of contact between Green Pin Tycan® Lashing Chain and the load or operating material, protective sleeves SLEEVE152530 (30cm length) or SLEEVE152550 (50cm length) must be used when the surface edge is "less" than 6mm radius.



Edge radius more than 6mm:
No protective sleeve required **but** recommended.

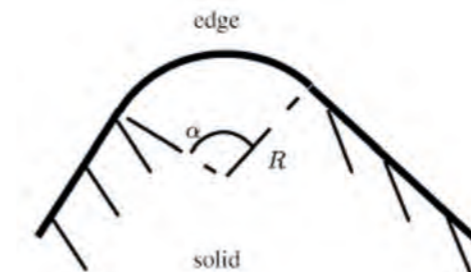


Edge radius less than 6mm:
Protective sleeve **required**.

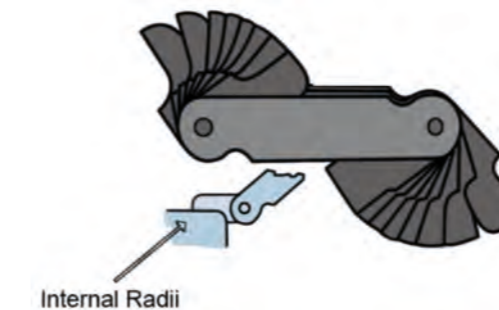


No obvious edge radius or in doubt: Protective sleeve **required**.

Edges that are in contact with Green Pin Tycan® Lashing Chain must be checked for sufficient radius. A radius gauge is a good way to verify this. If in doubt, a protective sleeve should always be used to protect Green Pin Tycan® Lashing Chain.



We recommend the use of a radius gauge.



Green Pin Tycan® Lashing Chain



GREEN TO QUALITY

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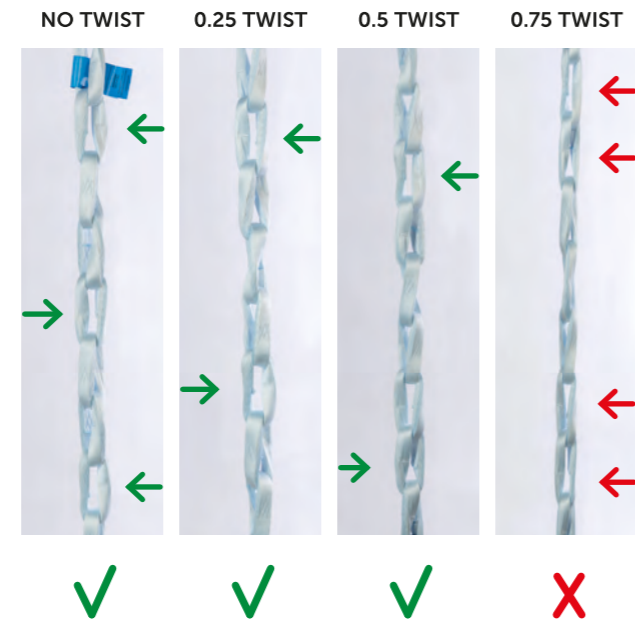
A VAN BEEST BRAND

Limited twist

- A limited twist of 0.50 turns per meter (per 3.28 feet) is allowed.
- When there is no twist in Green Pin Tycan® Lashing Chain, a clear open link can be seen on every 3rd Green Pin Tycan® Lashing Chain link (see NO TWIST picture).
- For every 0.25 twist the clear open link number increases by one link (see 0.25 TWIST picture).
- For every 0.50 twist per meter you will only see a clear open link every 5th link (see 0.50 TWIST picture).
- For every 0.75 twist per meter, "open links" can be seen in pairs of two (see 0.75 TWIST picture).

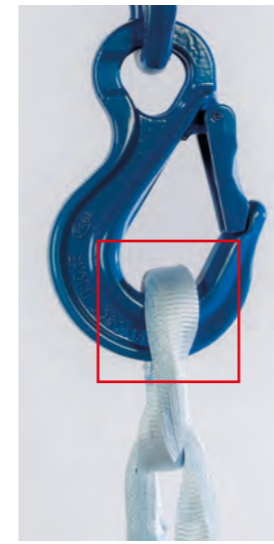
- Keep Green Pin Tycan® Lashing Chain away from sand, mud, ice or any sharp particles, in particular any particles of steel. If damaging particles are present, the chain must be removed for inspection and if necessary such particles should be removed.
- Green Pin Tycan® Lashing Chain is resistant to chemicals, except oxidizing chemicals, avoid contact from damaging chemicals and/ or consult with a Qualified Person.
- Green Pin Tycan® Lashing Chain should be kept away from direct heat sources.
- In case a dynamic loading situation is to be expected, the load or LC should be adjusted accordingly local regulations.

Twist per meter



If Green Pin Tycan® Lashing Chain has obtained a twist of more than 0.50 turn per meter, the "open links" start to disappear and/ or can be seen in pairs of two. The links will also start to get twisted beyond the original shape. If these conditions are present Green Pin Tycan® Lashing Chain should be untwisted before performing the lift. If there is any doubt as to the proper use of Green Pin Tycan® Lashing Chain do not perform the lift and contact a Qualified Person.

User manual



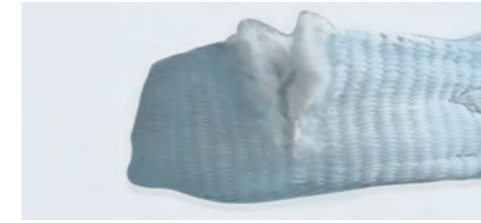
Connecting Green Pin Tycan® Lashing Chain directly into hooks is not acceptable.

Storage

- Storage area should be clean, dry, dark and free of mechanical and environmental damage.
- Storage temperature should be no more than +70 degrees Celsius (158°F) for short term storage (less than one week) and no more than +30 degrees Celsius (86°F) for long term storage.

Details wear/tear damage

- If one or more layers of the Link Leg are torn, cut or abraded, Green Pin Tycan® Lashing Chain must be removed from service immediately and should and shall be destroyed and not used for any application.

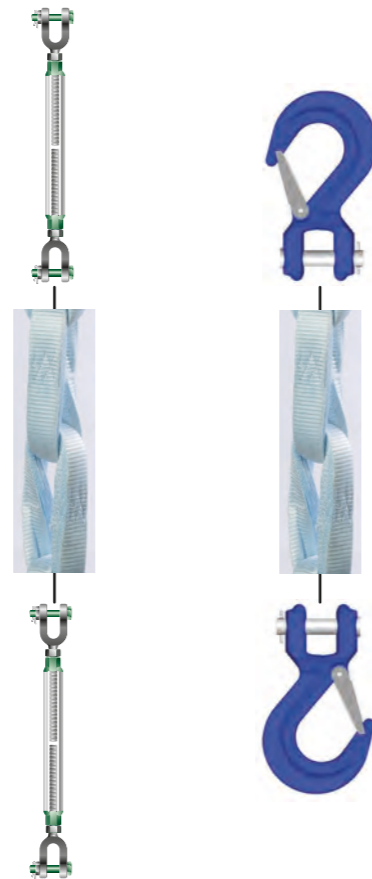
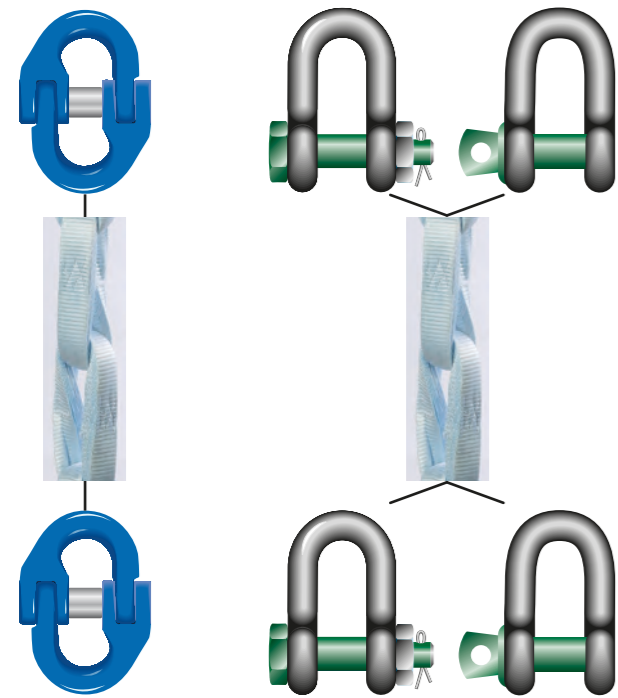


- If there are visible cuts or abrasion of more than 1mm on the side of the Link Leg, Green Pin Tycan® Lashing Chain must be removed from service immediately and shall be destroyed and not used for any application.



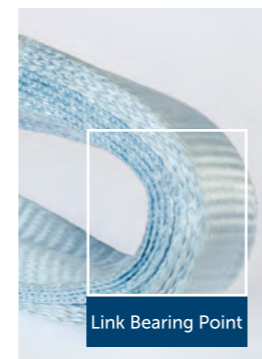
User manual

Configuration examples



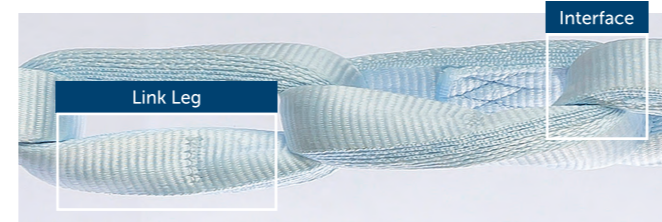
Inspection and Removal from Service Criteria

Inspect individual Chain Links thoroughly before each use for abrasion, tears, cuts or other damage which might affect the performance of Green Pin Tycan® Lashing Chain.



The pictures show defined areas of Green Pin Tycan® Chain Link, such as the Link Leg and Interface. Which allows for different amounts of wear and tear:

- Zero tolerance for damage allowed in Link Bearing Point.
- No folding or spreading out of layers allowed in Link Bearing Point.
- Minor damage allowed in Interface area.
- Moderate damage allowed on Link Leg.



- If stitching is torn/ abraded and the possibility that the layers of webbing can unravel, Green Pin Tycan® Lifting Chain must be removed from service immediately and shall be destroyed and not used for any application.



- If it is known that Green Pin Tycan® Lashing Chain has been exposed to temperatures exceeding 110°C (230°F), Green Pin Tycan® Lashing Chain must be destroyed and not used for any application.
- If it is known that Green Pin Tycan® Lashing Chain has been in contact with damaging chemicals, Green Pin Tycan® Lashing Chain must be destroyed and not used for any application.
- If there is any doubt that Green Pin Tycan® Lashing Chain has met or has been exposed to the limits of the mentioned discard criteria's, Green Pin Tycan® Lashing Chain should be discarded.
- If the manufacturer's label(s) has been removed, or is no longer legible, Green Pin Tycan® Lashing Chain shall be removed from service.

In case you do not use the products yourself but are reselling these as part of a manufactured product, please take our general cautions and warnings into account and make these known to your customers as well. In any case, we do not accept any responsibility or liability, nor can we be held responsible for any misuse or damage with, by or at your customers due to negligent use.

Green Pin Tycan® Lashing Chain



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