



Applications

Loadbinders are used for easy and efficient tightening of chain used for lashing purposes. The loadbinders are designed in such a way that they can effortlessly be operated using one hand.

Range

Van Beest offers three types of loadbinders: two ratchet types and a lever type, depending on the application. The loadbinders are suitable for various chain sizes, ranging from 8 up to 16 mm. The ratchet types can be supplied with two hooks or two eyes as end fittings.

Design

The Green Pin® loadbinders are designed with an ergonomic, easy-to-use handle for simple, single-hand use, and are manufactured from drop forged or cast steel. One ratchet type is equipped with standard chain eye grab hooks, the other type has an improved version of these hooks to reduce chain wear substantially. This type of loadbinder is designed to meet requirements of standard EN 12195-3.

Each handle carries the following markings:

- chain diameter, for which the loadbinder is suitable;
- manufacturer's symbol (GP);
- not for lifting or hoisting applications;
- Lashing Capacity;
- minimum breaking load.

Finish

The Green Pin® loadbinders are painted either red or green.

Certification

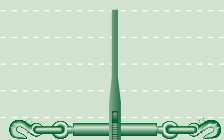
Test certificates can be supplied upon request.

Instructions for use

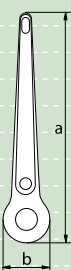
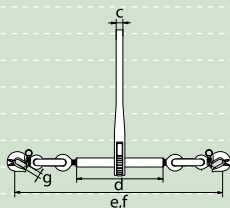
Loadbinders should be inspected before use to ensure that:

- all markings are legible;
- loadbinders are free from nicks, gouges and cracks;
- loadbinders should never be used for lifting or hoisting applications;
- a loadbinder with the correct Lashing Capacity has been selected with respect to chain size and load to be lashed. For further details we refer to EN 12195-3, standard for Lashing Chains;
- the loadbinder should never be side loaded, since loadbinders are suitable for in-line pull only;
- the loadbinder must be hooked to the chain in such a way that you can operate the loadbinder while standing on the ground;
- never use a loadbinder while standing on the load;
- always keep yourself out of the path of the moving handle;
- if the handle of the lever type loadbinder cannot reach the correct locked position, never use a cheater pipe. In that case a ratchet type loadbinder must be used;
- in the locked position of a lever type loadbinder the bottom side of the loadbinder should touch the chain link. In this position secure the handle to the chain using the loose end of the chain or a piece of rope or soft wire;
- loadbinders may not be heat treated as this may affect their Lashing Capacity;
- never repair or reshape a loadbinder by welding, heating or bending as this may affect the Lashing Capacity;
- if the handle of a lever type loadbinder is released by hand, make sure you use an open hand under the handle and push upward. Do not close your hand around the handle. Move the handle with caution since it may whip as it comes free. Keep your body away from the moving handle.

It is required that the products are regularly inspected and that the inspection should take place in accordance with the safety standards given in the country of use. This is required because the products in use may be affected by wear, misuse, overloading etc. with a consequence of deformation and alteration of the material structure. Inspection should take place at least every six months and even more frequently when the loadbinders are used in severe operating conditions. Regularly lubricate moving parts of a loadbinder to extend product life and reduce wear.



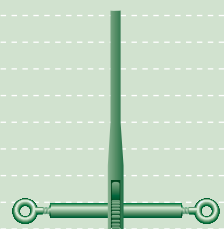
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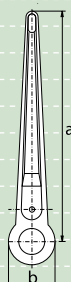
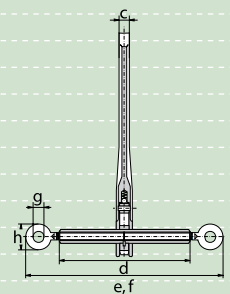
Green Pin® ratchet type loadbinders with hooks, according to EN 12195-3

- **Material** : drop forged, Grade 8, quenched and tempered
- **Safety factor** : MBL equals 2 x Lashing Capacity
- **Standard** : EN 12195-3
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request
- **Note** : Stf = 3000 daN

| chain size | length | diameter | thickness | length barrel | length open | length closed | width | take-up | lashing capacity | proof load | minimum breaking load | weight each |
|------------|--------|----------|-----------|---------------|-------------|---------------|-------|---------|------------------|------------|-----------------------|-------------|
| mm | a | b | c | d | e | f | g | mm | t | t | t | kg |
| 8 | 387 | 65 | 14 | 255 | 754 | 590 | 11 | 164 | 4 | 5 | 8 | 4.5 |
| 10 | 387 | 65 | 14 | 255 | 775 | 610 | 12 | 165 | 6.3 | 7.9 | 12.6 | 5.4 |
| 13 | 387 | 65 | 14 | 260 | 870 | 700 | 15 | 170 | 10 | 12.5 | 21.2 | 7.7 |
| 16 | 387 | 65 | 14 | 260 | 896 | 736 | 19 | 160 | 16 | 20 | 32.2 | 10.2 |



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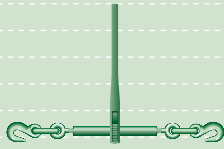


Green Pin® ratchet type loadbinders without hooks, according to EN 12195-3

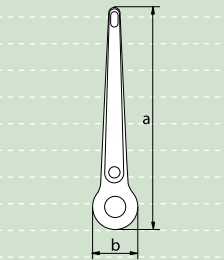
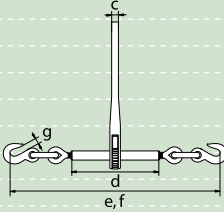
- **Material** : drop forged, Grade 8, quenched and tempered
- **Safety factor** : MBL equals 2 x Lashing Capacity
- **Standard** : EN 12195-3
- **Finish** : painted red
- **Certification** : test certificates can be supplied upon request
- **Note** : Stf = 3000 daN

| chain size | length | diameter | thickness | length barrel | length open | length closed | diameter eye inside | diameter eye outside | take-up | lashing capacity | proof load | minimum breaking load | weight each |
|------------|--------|----------|-----------|---------------|-------------|---------------|---------------------|----------------------|---------|------------------|------------|-----------------------|-------------|
| mm | a | b | c | d | e | f | g | h | mm | t | t | t | kg |
| 8 | 387 | 65 | 14 | 255 | 538 | 374 | 18 | 50 | 164 | 4 | 5 | 8 | 3.3 |
| 10 | 387 | 65 | 14 | 255 | 546 | 381 | 20 | 55 | 165 | 6.3 | 7.9 | 12.6 | 3.4 |
| 13 | 387 | 65 | 14 | 260 | 589 | 419 | 25 | 66 | 170 | 10 | 12.5 | 21.2 | 4 |
| 16 | 387 | 65 | 14 | 260 | 579 | 419 | 30 | 71 | 160 | 16 | 20 | 32.2 | 4.1 |

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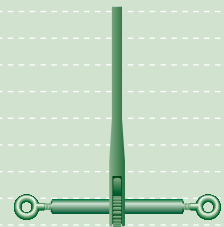
Green Pin® ratchet type loadbinders with hooks

- **Material** : drop forged/cast steel, quenched and tempered
- **Safety factor** : MBL equals 3.5 x Lashing Capacity
- **Finish** : painted red or green
- **Certification** : test certificates can be supplied upon request

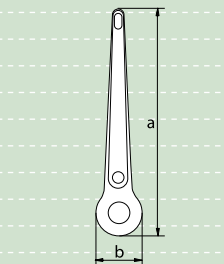
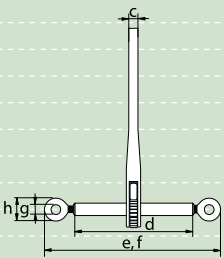
| chain size | length handle | diameter | thickness | length barrel | length open | length closed | width | take-up | lashing capacity | proof load | minimum breaking load | weight each |
|------------|---------------|----------|-----------|---------------|-------------|---------------|-------|---------|------------------|------------|-----------------------|-------------|
| mm | a mm | b mm | c mm | d mm | e mm | f mm | g mm | mm | t | t | t | kg |
| 6 - 8 | 210 | 46 | 10 | 160 | 510 | 420 | 9 | 90 | 1.18 | 2.36 | 4.13 | 1.7 |
| 8 - 10 | 385 | 65 | 15 | 255 | 739 | 578 | 12 | 161 | 2.45 | 4.9 | 8.62 | 4.82 |
| 10 - 13 | 385 | 65 | 15 | 255 | 759 | 587 | 16 | 172 | 4.175 | 8.35 | 14.97 | 5.92 |
| 13 - 16 | 385 | 65 | 15 | 260 | 838 | 687 | 18 | 151 | 5.9 | 11.8 | 20.865 | 7.85 |

Green Pin® ratchet type loadbinders without hooks

- **Material** : drop forged/cast steel, quenched and tempered
- **Safety factor** : MBL equals 3.5 x Lashing Capacity
- **Finish** : painted red or green
- **Certification** : test certificates can be supplied upon request



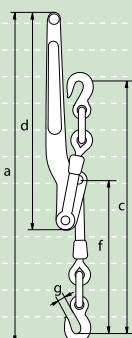
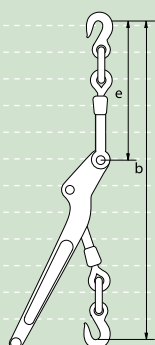
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| chain size | length handle | diameter | thickness | length barrel | length open | length closed | diameter eye inside | diameter eye outside | take-up | lashing capacity | proof load | minimum breaking load | weight each |
|------------|---------------|----------|-----------|---------------|-------------|---------------|---------------------|----------------------|---------|------------------|------------|-----------------------|-------------|
| mm | a mm | b mm | c mm | d mm | e mm | f mm | g mm | h mm | mm | t | t | t | kg |
| 8 - 10 | 385 | 65 | 15 | 255 | 546 | 385 | 12 | 57 | 161 | 2.45 | 4.9 | 8.62 | 3.95 |
| 10 - 13 | 385 | 65 | 15 | 255 | 555 | 383 | 14 | 57 | 172 | 4.175 | 8.35 | 14.97 | 4.75 |
| 13 - 16 | 385 | 65 | 15 | 260 | 560 | 409 | 17 | 64 | 151 | 5.9 | 11.8 | 20.865 | 6.65 |



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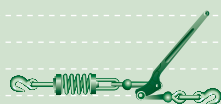


Green Pin® lever type loadbinders

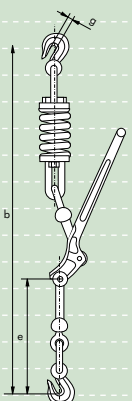
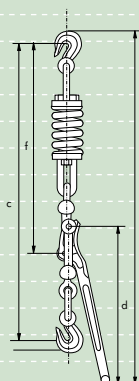
with hooks

- **Material** : drop forged/cast steel, quenched and tempered
- **Safety factor** : MBL equals 3.5 x Lashing Capacity
- **Finish** : painted red or green
- **Certification** : test certificates can be supplied upon request

| chain size | length | length open | length closed | length handle | length | length | width | take-up | lashing capacity | proof load | minimum breaking load | weight each |
|------------|--------|-------------|---------------|---------------|--------|--------|-------|---------|------------------|------------|-----------------------|-------------|
| mm | a | b | c | d | e | f | g | mm | t | t | t | kg |
| 8 - 10 | 610 | 592 | 488 | 408 | 287 | 287 | 12 | 104 | 2.45 | 4.9 | 8.62 | 2.81 |
| 10 - 13 | 768 | 680 | 550 | 458 | 325 | 325 | 16 | 130 | 4.175 | 8.35 | 14.97 | 5.08 |
| 13 - 16 | 830 | 833 | 680 | 547 | 395 | 395 | 18 | 153 | 5.9 | 11.8 | 20.86 | 9.5 |



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Green Pin® spring type loadbinders

with hooks

- **Material** : drop forged/cast steel, quenched and tempered
- **Safety factor** : 8-10 mm: MBL equals 3.5 x Lashing Capacity
10-13 mm: MBL equals 3 x Lashing Capacity
- **Finish** : painted green
- **Certification** : test certificates can be supplied upon request

| chain size | length | length open | length closed | length handle | length | length | width | take-up | lashing capacity | proof load | minimum breaking load | weight each |
|------------|--------|-------------|---------------|---------------|--------|--------|-------|---------|------------------|------------|-----------------------|-------------|
| mm | a | b | c | d | e | f | g | mm | t | t | t | kg |
| 8 - 10 | 873 | 836 | 739 | 392 | 285 | 450 | 13 | 97 | 2.45 | 4.9 | 8.575 | 7.2 |
| 10 - 13 | 940 | 903 | 791 | 438 | 330 | 475 | 15 | 112 | 4.175 | 8.35 | 12.525 | 9.0 |

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