

Introducing the end of chafed luff tapes...

Foilfeed[®] H1 for headsails

The only feeding solution protecting luff tapes from chafe and deterioration, improving quality, durability and performance for sailors and sailmakers



INTRODUCTION

No more frustrations. No breakdowns. Just 100% reliable headsail hoists...

The only feeding solution, protecting luff tapes from chafe and deterioration, improving both quality, durability and performance in one single patented innovation

The luff tape is the weakest part of your headsails

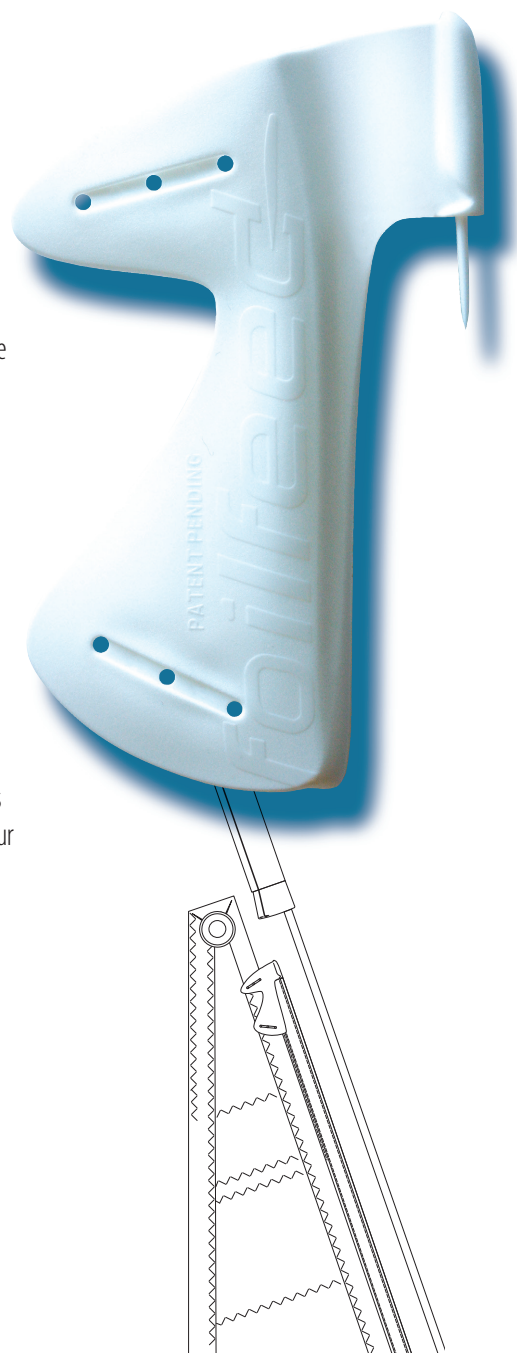
Headsails fed into grooves, whether racing or cruising, will eventually experience an unavoidable chafe to the luff tape that connect the headsail with the forestay, ultimately resulting in breakdown and hence the sail won't hoist.

40 years of deterioration over

The Foilfeed® H1 puts an end to this problem once and for all, by capping the end of the luff tape hence adding protection, strength and reliability to a fragile part of a sail. The unique and patented design represents a solution to what has been a continuous weakness of sails being hoisted in grooves for almost four decades. Now, that problem is over. This is the end of chafed luff tapes!

Foilfeed® on your sail is a sign of quality

Displaying a Foilfeed® on your sail sends a message, that you apply state-of-the-art protection to your luff tape solutions, emphasizing quality, design and durability. It's smart, less cumbersome to keep the headsails in perfect order and there's no way you will be going back to old solutions once you've had a foilfeed® on your luff tapes.



ADVANTAGES OF FOILFEED®

9 reasons why there's no way you will go back to yesterdays solutions

- **Protects luff tapes when inserted and functioning in grooves**
Luff tapes are woven material that have to stand twist, chafe and pulling when i use. With a foilfeed® the tape is covered and protected
- **100% hoisting and feeding reliability**
A Foilfeed® keeps the shape time after time, unlike a used and deformed luff tape. This way you can load sails much easier and still rely on it
- **Quality improvement compared to all existing sailmaking standards**
A Foilfeed® is permanent and once mounted, never look back. Yesterdays solutions relied on taping, stitching and still repairing
- **Mounting by simple sticthing. No damage to the sail**
Mount the Foilfeed® as described in the instructions. Hand stitch with a sailmakers needle and waxed thread and you will have nothing but 6 needle holes
- **Save time and money mounting Foilfeed® on your customers sails**
Sailmakers putting Foilfeed® on their sails will make a profit on the item it self. Eventually they will also save the trouble of both collecting and repairing without pay
- **No ease-out solutions needed**
No special stitching solutions needed to counter the anticipated the chafe problem
- **Easier, safer and faster handling for bowmen**
Bowmen know the situation; Little time to fix all serial operations on the foredeck. The least you want is spend unexpected extra time to feed the headsail due to chafe
- **H1 come in 1 size: For 6 mm rope (single and double)**
Most luff tapes are made with 6 mm rope. Tests have shown that it also works on both 5 and 7 mm, but it entirely depends on the specific setup.
- **Made in white Delrin® POM, UV protected solution added**
Foilfeed® is made of Delrin® Pom, which is a hard - though flexible - non friction type of plastic. UV solution have been added to make it even more UV-resistant

KEY FEATURES OF FOILFEED® H1

A simple solution, but sophisticated details make it work for both sailors and sailmakers

8. Groove for stitch protection

Stitches are lowered into a groove, avoiding tear and wear compromising the fixture

1. The feeding fin

This part is the part that replaces the weakest part of the luff tape - the edge. Thanks to the durability of the material, this part can be fed on and on and on...

2. The 'projectile'

Will be the fastening part inside the groove, shaped in order to keep feeding as easy and quick as possible

3. Back- and forth feeding feature

Extrusions shorter than the actual luff tape luff will experience a feed back-into-groove-motion, when lowering the sail. The foilfeed® H1 takes care of that

4. The Spike

This part is to be lowered into the center of the rope in order to align perfectly and stabilize the fixture

7. Cover surface for luff tape

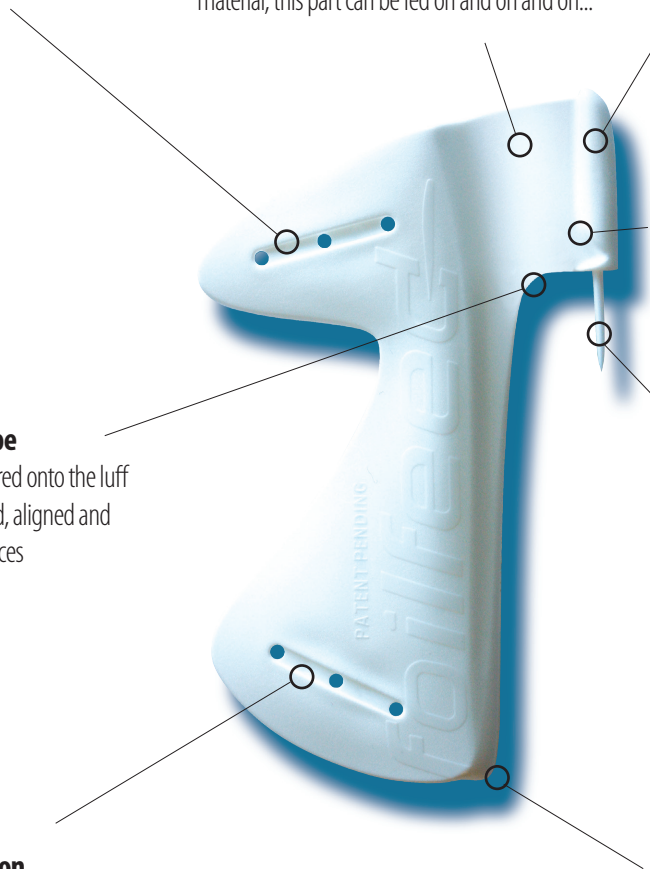
When foilfeed® H1 is being lowered onto the luff tape, the top edge will be covered, aligned and protected by two separated surfaces

6. Groove for stitch protection

Stitches are lowered into a groove, avoiding tear and wear compromising the fixture

5. Front slit

Dividing the Foilfeed® H1 so the luff tape can be placed inside for protection



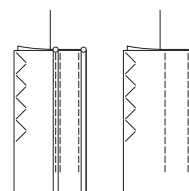
INSTALLING FOILFEED® H1

Mounting the Foilfeed® H1

Follow these instructions carefully in order to make the Foilfeed® H1 do it's job properly

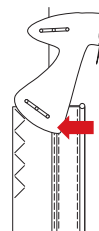
1. Any tape solution. No Ease-out necessary

Foilfeed® H1 can be used on both single- and double roped tapes and is designed specifically for a 6 mm rope diameter. Tests have proven that diameters 5- and 7 mm works too on most setups, though it has to be determined by the individual setup. Just sew the tape onto the headsail without ease-out or any other protective arrangements.



2. Slide tape from bottom up into the Foilfeed® H1

Mount the Foilfeed® H1 gently onto the luff tape from the bottom. The luff tape shall slide in between the foilfeeds center slit. You may want to burn the top edge of the luff tape to help it slide better inside. Check out the 3D PDF above (Key Features) to see it in detail.



3. Slide Foilfeed® H1 firmly down

Press the Foilfeed® H1 firmly with it's back onto to the sail side of the luff tape so that it is fully supported top to down on the inside. Align the outer rope and the 'projectile' with the 'spike' pointing down the center of the rope.



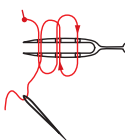
4. Lower spike into rope. Pre-poke the rope...

Slide the Foilfeed® H1 down firmly and position precisely, so the spike is completely lowered into the center of the rope. You have to pre-poke with an awl or sailmakers needle all 25 mm down in the rope to make the lowering easier. The needle is tough, but will likely bend if the lowering is too hard. The 'Projectile' and luff tape shall close their edges completely.



5. Stitch, finish and fly...

Stitch - with a sailmakers needle and waxed thread - both ends of the Foilfeed® H1 in order to lock the position firmly to the sail. Make sure your stitching is tight in order to stabilize the fixture. Your feeding will never be the same again...



TECHNICAL

Geometry and design of the Foilfeed® H1

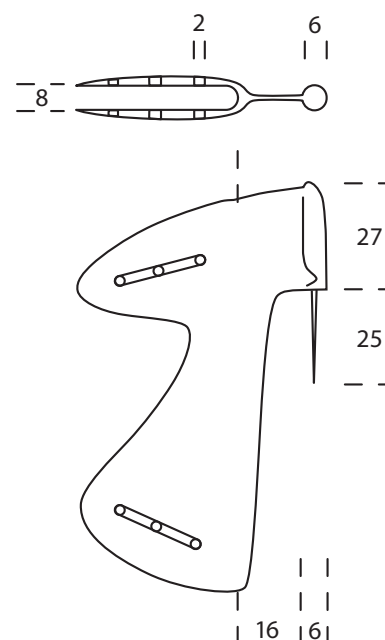
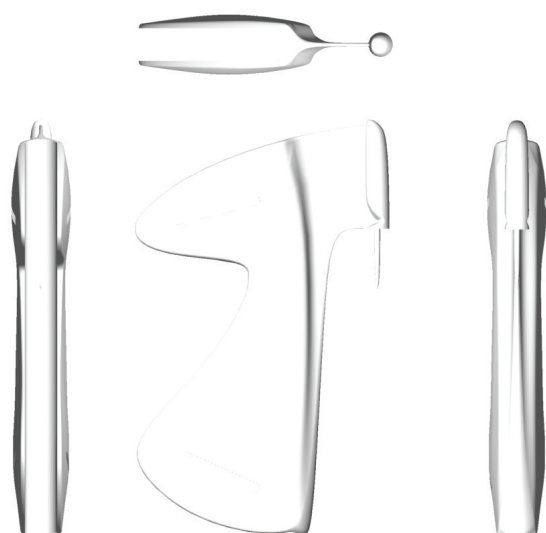
A tough environment with a demand for versatility make it one of the worlds most advanced single moulded plastic items

The Foilfeed® H1 is designed to meet the geometrical requirements of all major suppliers of headsail furlings systems, foil extrusions and grooves, including feeders. Though the H1 is primarily made for 6 mm ropes, it has also proven usable on 5 mm and 7 mm ropes too, though it depends entirely on the actual setup.

The 'projectile' (item advanced into groove) is designed to be inserted both forth and back, meaning that a fully hoisted sail on too short an extrusion, will be able to feed back when lowering the sail again. The spike (pin lowered into the rope) cannot break by either stepping on or by normal handling. It will only bend sideways. Since it is 25 mm long it will not be able to 'jump' out of position unless the whole area is being ripped apart.

Attaching Foilfeed® H1 to the sail is done by hand stitching. When tightening and securing the thread the stitching will be lowered into the built-in grooves protecting it from tear and wear of general sail handling.

The Foilfeed® H1 weighs 19 grams.



TECHNICAL

The material Delrin® POM

The Foilfeed® H1 is made of Delrin® POM due to its strength, durability and its non-friction properties. The homopolymer grades (Technical name for Delrin®) have a higher mechanical strength, stiffness, hardness and creep resistance as well as a lower thermal expansion rate and often it also presents a better wear resistance. Delrin® is designed for applications requiring low wear and/or low friction against steel, itself and other plastics.

Delrin® POM is used in many static and dynamic industrial applications replacing materials like steel, brass, bronze, copper & aluminum. Polyacetal has improved part life because of better wear, more chemical, corrosion and UV-resistance. These materials reduce noise and will reduce or eliminate the need for lubricants. Delrin® POM can be used in applications such as Gears, Bushings, Bearings, Rollers, Timing Screws, Manifolds, Valves & Valve bodies, Washers, Wear pads and many industrial machine parts.

Main Characteristics of Delrin® POM:

- High mechanical strength, stiffness, hardness and toughness
- Excellent resilience
- Good creep resistance
- High impact strength, even at low temperatures
- Very good dimensional stability
- Good sliding properties and wear resistance
- UV-resistant

Color and UV-resistance

The Foilfeed® H1 is made of bright white Delrin POM for two main reasons:

1. Aesthetics:

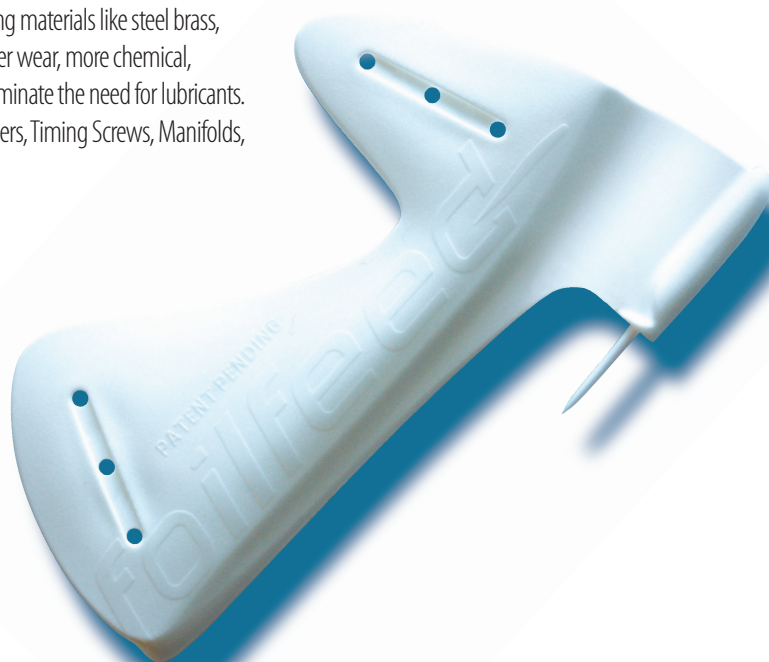
Since all standard fittings, tapes and other nylon additions to a sail is white, the Foilfeed® H1 will fit in the general looks and design from all major sailmakers worldwide.

2. UV-resistance:

The color white is best to reflect the UV from the sun and furthermore, the Delrin® POM has been mixed with 2% UV-block in the moulding process making it more resistant to UV radiation, hence less degradable than most plastic products over time.

More about the materials

Technical datasheets about the material (Rockwell numbers etc.) and the UV-solution can be downloaded from the website under the sections 'Headsails' and 'Mainsails'.



BUY FOILFEED®

Just clicks away from putting an end to chafed luff tapes

The website is governed by two principles:

'Simple and to the point' and 'The more you buy, the cheaper it gets!'

Sailmakers, sign up for wholesale terms!

As a sailmaker you need to get a profile in order to qualify for wholesale prices and terms. This also brings advantages of being able to buy the product M1 and keep track of your previous purchases.

Comment or join us at Facebook

Read what others have said about Foilfeed® or drop a line, share thoughts and get short info from being a group member. Of course, You can also e-mail us at comments@foilfeed.com.

Read about the products H1 and M1

Everything you need to know about the Foilfeed® products, specifications, materials and mounting. Drop the link to anybody you know who can get rid of their future chafed luff tapes...

Order at the online shop

Retail and wholesale shopping done in minutes. Shipping worldwide by mail and courier out from Denmark. The shipping costs are added to the invoice varying on quantity and the delivery address.

Retailers can buy only the H1 (up to 12 items per order) starting at the retail price € 37.95 (Euro) per item (when ordering only 1/ 32.15 when 12). Sailmakers can buy all products at quantities from 10, 25, 50, 75, 100, 200, 300, 400, 500, 750, 1000 and 2000 of each 4 models. Item prices per unit are adjusted to the quantity of each order. We accept Master, VISA and American Express.

All transactions are secured (SSL-encrypted) and the final phase ends with an invoice in PDF format (also submitted to your delivery). Customers with a login profile have a history list with all previous invoices.

www.foilfeed.com



WARRANTY, TERMS AND LIABILITY

Post scriptum...

Warranty

The Foilfeed® is warranted against breakage due to defects in material or workmanship for two (2) years from the date of purchase. This warranty is only valid with a proof of purchase from an authorized Foilfeed® dealer. In filing a warranty claim, customers must substantiate and prove the defect in material or workmanship in order to rightfully claim the warranty. Alteration, abuse or misuse of Foilfeed® will void its warranty. Legal rights under applicable national law governing the sale of consumer goods are not affected by this warranty.

Warranty Claim

Customers worldwide shall e-mail the warranty claim and proof of purchase to warranty@foilfeed.com. The warranty covers only substitution of damaged Foilfeed® items and standard shipping costs afflicted hereby.

Website

We ask that you review the following basic terms that govern the use of the site and the purchasing of products from our site. By using Foilfeed® website you agree to follow and be bound by these terms. These terms may be changed from time to time and your use of the site following any such changes shall confirm your agreement to follow and be bound by the terms as modified.

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Liability

Foilfeed® H1 and M1 are made only for use on sails installed with luff tapes to be hoisted into grooves on sailing yachts. Any other use of Foilfeed® H1 will void both the warranty, responsibility and liability. Foilfeed® cannot be held accountable for any actions from its customers or the consequences from these, while using the Foilfeed®.

Keep Foilfeed® away from infants and kids below 8 years of age.

Now, put an end to your chafed luff tapes...

Support

If you need support on using the web, questions about invoices or other business related matters, please mail to support@foilfeed.com

Warranty Claim

If you have a warranty claim you need to file your claim via this e-mail warrantyclaim@foilfeed.com

Comments

Spread the word, tell us what you think or share your ideas and experiences.
Mail it to comments@foilfeed.com

Any other enquiry, that does not fall into the above listed, mail to mail@foilfeed.com

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