



HAGAN

**(ENG) USER'S AND MAINTENANCE
GUIDEBOOK**

ULTRA BINDING

(M.Y. 2018) - 110 GRAMS



⚠ WARNING! DANGER!

The removal of the "**SEAL OF LIABILITY**" "", firmly affixed by the manufacturer
HAGAN SKI Ges.m.b.h.

MUST BE PERFORMED

exclusively by the original user himself.

The removal of the "**SEAL OF LIABILITY**" "" is the proof of a full, direct, careful
and aware acknowledgement of the entirety of the parts forming the "**USER'S
AND MAINTENANCE GUIDE BOOK**" which is inserted into the packaging of the
product itself, in particular the full acknowledgment of the entirety of the
disclosures contained into the warning boxes underlined by the words

“ ⚠ WARNING! DANGER! ”

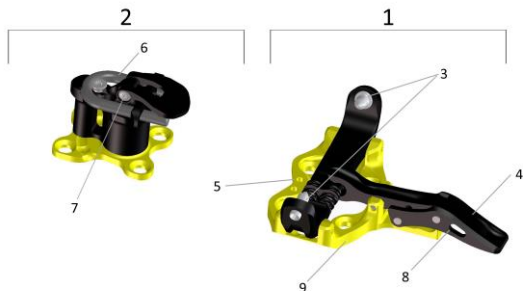
regarding the risks raised by the product use, for the user itself and/or third
parties, and all the producer "**LIABILITY LIMITATIONS**" clauses.

100% MADE IN ITALY

The HAGAN® ski touring bindings are shaped following the most sophisticated design principles and highest level mechanic techniques. HAGAN® bindings are **completely designed, developed and manufactured in Fiorano Modenese (Modena, Italy)**. They comply with the exigencies of the top athletes and those who are constantly looking for lightness, performances and reliability.

However, to this purpose, we invite you to read all the instructions carefully, in order to ensure your own safety.

1 | BINDING MAIN PARTS IDENTIFICATION



BINDING PARTS

1. TOE PART
2. HEEL PART
3. HOOKING PINS
4. FRONT LOCKING LEVER
5. CRAMPONS SLOT SEAT (ACCESSORY)

6. TITANIUM "U" SPRING
7. ADJUSTABLE HEEL COVER
8. LEASH HOLLOW
9. TOE BASE PLATE

SCREWS



TOE PART SCREWS (13 MM)

HEEL PART SCREWS (11 MM)

What will you find in the Product box?

2 TOES, 2 HEELS, 8 TOE SCREWS 13 mm , 8 HEEL SCREWS 11 mm, 1 "USER'S AND MAINTENANCE GUIDE BOOK",
1 FOUR MILLIMETER SPACER.

2 | GENERAL WARNINGS AND RECOMMENDATIONS FOR THE USER



WARNING! DANGER!

Before any use, make sure of your full and responsible comprehension of the entirety of this "USER'S AND MAINTENANCE GUIDE BOOK".

In case of doubts or uncertainty and, in general for any kind of communication, we kindly ask you to contact our offices at the e-mail address info@hagan-ski.com.

WARNING! DANGER

HAGAN® binding model "HAGAN ULTRA" has been designed, developed and produced with the only purpose of use in skimountaineering competitions.

The HAGAN binding model "HAGAN ULTRA" DOES NOT COMPLY WITH ANY DIN/ISO SAFETY STANDARD (in particular it does not comply with DIN/ISO 11088, nor DIN/ISO 13992) **and does not offer any adjustment system for the release function:** the use of this product may represent a great danger for the user itself, due to the uncertain unpredictability of the release in case of need or the possibility of undesired releases in dangerous situations.

By removing the "SEAL OF RESPONSIBILITY" from the binding, the user consciously assumes all the responsibilities arising from the use of the product itself, and relieves the producer from any eventual liability on damages caused to the user itself, goods or third parties during the use of the product.

The ORIGINAL USER assumes the full responsibility to deliver this "USER'S AND MAINTENANCE GUIDE BOOK" to eventual secondary users (even temporary users) of the product itself and to verify that they received a full and correct training on the use modalities, besides having fully and unequivocally understood all the parts composing this "USER'S AND MAINTENANCE GUIDE BOOK".

- Please, be aware that ski mountaineering, like many other high mountain activities, is a DANGEROUS SPORT, that may cause injuries to the user and/or third parties; difficult situations are often unpredictable or dangerous; never overestimate your capabilities, never ski if sick, wounded or under the effect of alcohol, medicines or drugs.
- HAGAN® bindings are realized and tested according to ski boots with "TECH" inserts, with standard brand new hooking plates and original dimensions; using ski boots with nonstandard inserts or with very worn inserts may change the bindings functionality and can create a risk for the user: before each use check the general wear of equipment and, in case of doubt, contact an authorized HAGAN® dealer for a check-up or reparation.
- During transport (ex: car roof, backpack, bike etcetc) the bindings could be attacked by dirt or salt that may modify the correct functioning of the binding: always protect the bindings by these external agents during transport with adequate instruments.
- In uphill mode these bindings are fully locked on the boot and do not provide any release function.
- **Always check that, once hooked the toe part, the pins are correctly inserted into their seats on the boot strongly moving the ski with the boot tip.**
- Before performing a downhill please remember to place the toe locking lever in downhill position. If this operation fails, in case of fall the binding cannot release the boot and the user could be seriously injured. A toe release with the front lever locked in uphill mode would lead to heavy structural damages to on the product, with consequent great danger for the user.
- Before each use check that the binding or other accessories do not have defective, broken or damaged parts, that the release system is perfectly working and that the bindings have not been contaminated by debris or ice/snow.
- **Never use bindings with damaged parts: if there is any defective or broken part, or any doubt is raising in your mind in regards to the state of your bindings, immediately stop the use of the product and promptly contact the producer in order to receive assistance and get a perfect solution for any of your doubts, damages or defects previously recognized (info@hagan-ski.com)**
- Before any use check that the bindings base surfaces are correctly fixed to the ski, that the screws are correctly tightened, and/or the ski structure is not damaged but results completely flat in the mounting area in order to permit a perfect support for the binding: if one or more of these events occur, it may cause structural damage to the bindings with consequent danger for the athlete or third parties.
- The use of a braking system is compulsory, **in order to limit the risk** of ski loss or to create damages to goods or third parties: in this way, you can easily choose in between our UNIVERSAL SKI BRAKE (CODE SBU) or our KEVLAR® CORE LEASH (SBCO2).
- In case of deep fresh snow or hard snow, the efficiency of any SKI BRAKE is very limited: in these snow conditions we suggest the use of a SBCO2 | KEVLAR® CORE LEASH.
- **Any MODIFICATION to components and IMPROPER USE of HAGAN® bindings may invalidate the product warranty and increase the risk of injuries for the user and/or third parties.**
- Use of not original HAGAN® ACCESSORIES may cause damages to the bindings, user or third parties.
- Safely keep these user's guide and check it in case of any doubt.

3 | MOUNTING AND SETTING

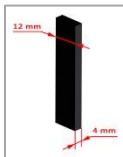
WARNING! DANGER!

This binding is not provided with an heel adjustment plate; images do not refer to this binding model.

BUSHINGS COMBINATION FOR M05 JIG AND M05D INSERT:

TOE: P1-P1-P1-P1 **HEEL: C-C-C-C**

- The installation of any HAGAN® binding must be performed by an **AUTHORIZED DEALER**, equipped with all the tools needed to realize a state of the art installation, including the original **HAGAN® drilling jig** (COD. M05 or following) dedicated to the product that must be installed on skis; in case of M05 drilling jig use, you should mount the M05A or M05D back insert on the jig and use the P1-P1-P1-P1 bushings for the toe and C-C-C-C for the heel plate; always check the jig user guide before performing any drilling operation.
- A self-made installation is **NOT** recommended due to the high end technical abilities and knowledge needed to realize a state of the art installation and to the possible damages and/or risks rising from a wrong/unperfect installation. In case that user overtakes the responsibility of a self-made installation, it is necessary to verify the presence in the box of the full list of parts listed at page 23 of this guide book; it is therefore possible to download a drilling template from the product web-page, print it and then follow all the connected instructions and recommendations.
- In both cases (installation provided by an authorized dealer or self-made installation), it's very easy to check the correct installing distance between the back metal insert of the boot and the vertical face of the heel part included in between the 2 hooking pins using the 4 mm spacer provided with the binding, as shown in picture 1,2 and 3.



PICTURE 1



PICTURE 2



PICTURE 3

- A wrong setting distance in between boot and binding may create an early and sudden fail of the binding, creating irreparable damages to the ski/binding/boot system and/or eliminate/modify the release function in case of fall with consequential damages to the athlete and third parties.
- Always check that the penetrating length of the screws fits the depth of the drilled holes, and anyway with the height of the ski in the mounting area; otherwise, use proper screws or contact HAGAN® at info@hagan-ski.com.
- The binding must be installed only **ON NEW SKIS**, which present an absolutely flat mounting area and a structural reinforce for the screws tightening and anchoring.
- Each boot has its own substantial geometry: always use the boot used for installation, setup and check of the correct functionality of the binding in combination to the binding itself.

4 | PRACTICAL USE INFORMATIONS

WARNING! DANGER!

We highly recommend to strictly follow the operations described and illustrated in this chapter: a wrong comprehension or execution of these operations may raise the damages risk for the user, goods or third parties.

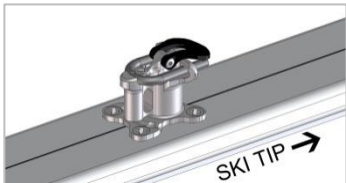
- Before performing any operation, always verify that boots and bindings are fully free from dirt, debris or any other entity which may modify the correct functioning of the system.
- Before performing any operation, always verify the correct functional state of the binding, such as the wear and tear of the complete binding system: in case of doubts regarding the perfect functionality of even one of the parts of the binding, immediately stop any use and contact the company for further indication (info@hagan-ski.com).
- These bindings include some springs systems, some of which are really powerful: an involuntary activation of one or more of these spring systems may lead to damages to the user or third parties; always handle the binding with care during any kind of operation.
- **Keep out from the range of the children.**

4.1 | UPHILL MODE

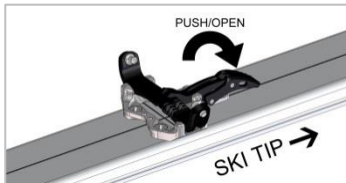
WARNING! DANGER!

- In this modality, **the toe part results FULLY locked on the toe piece**: this means that in case of fall, avalanche or other unpleasant situations that may occur to the user, there will never be a separation between boot and binding, **with high danger for the user** that may be dragged down by an avalanche together with the skis, or receive damages in case of simple fall or accident.
- In case of experiencing a release of the boot while the binding toe part is set on the “UPHILL MODE” as consequence of a strange happening/particularly high stress (fall, avalanche, slippage etc.) immediately stop the use of the product and contact HAGAN® at info@hagan-ski.com for further indications.
- During uphill, an impact with foreign body or a particular happening may deactivate the uphill locked mode, moving the front lever to the downhill mode. This event creates a great danger for the user which may experience undesired pre-releases with consequent danger of fall or slippage, with possible damages to the skier itself or third parties.

- Check that the heel is in position as in **PICTURE A** with the heel cover placed on hooking pins.
- Check that the toe is the same position shown at **PICTURE B**, ready to receive the boot; if not like that, manually press on the front lever in order to get the correct positioning of the toe.

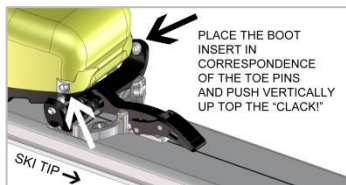


PICTURE A

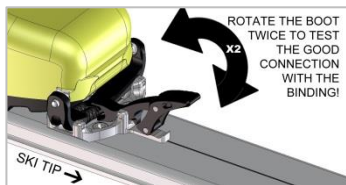


PICTURE B

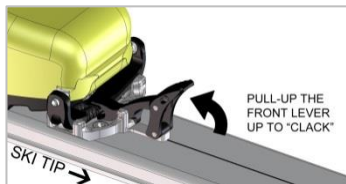
- Move the boot tip towards the binding toe part, placing the 2 seats of the tech insert of the boot in correspondence of the hooking pins of the binding.
From this position, vertically press the boot tip activating the binding closure over the boot. (PICTURE C/D).
- **Rotate twice the boot tip on the toe part in order to check the correct connection between boot and binding (PICTURE D).**
- Slightly pull the front lever towards you up to the stabilization of the front lever on the blocked mode as shown at PICTURE E: in this way the toe release system will be disabled.



PICTURE C



PICTURE D



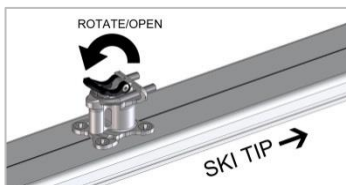
PICTURE E

4.2 | DOWNHILL MODE

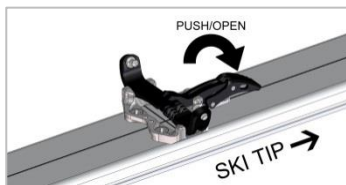
WARNING! DANGER!

- The correct use modality for the “DOWNHILL MODE” is precisely reported at paragraph 4.2 of this “USER’S AND MAINTENANCE GUIDE BOOK”; this modality may perform a boot release in case of ruinous falls: **it is STRONGLY NOT RECOMMENDED to SKI with other modalities different from those suggested!**
- It stays under **FULL RESPONSIBILITY OF THE USER** to decide which use behaviour or use modality creates a lesser risk for its own and third parties safety, evaluating each single faced situation.
- While skiing, small or big impacts with foreign bodies or snow may modify the position of the toe front lever, generating an unaware and undesired positioning of the same on the uphill locked mode. In case of small impacts or contacts, immediately stop skiing and verify that the front lever didn't change its positioning.

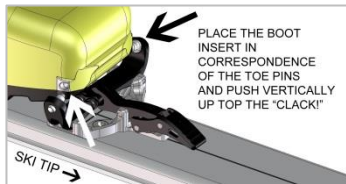
- Check that the heel is in position as **PICTURE F** with the cover fully overturned on the heel body.
- Check that the toe is the same position shown at **PICTURE G**, ready to receive the boot; if not like that, manually press on the front lever in order to get the correct positioning of the toe.
- Move the boot tip towards the binding toe part, placing the 2 seats of the tech insert of the boot in correspondence of the hooking pins of the binding. From this position, vertically press the boot tip activating the binding closure over the boot (**PICTURE H/I**).



PICTURE F



PICTURE G

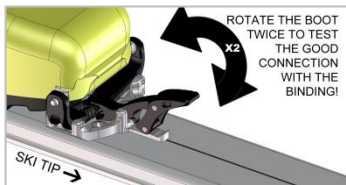


PICTURE H

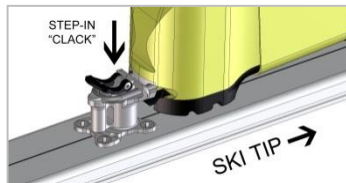
- Rotate twice the boot tip on the toe part in order to check the correct connection between boot and binding. (PICTURE I).

- Check that the toe front lever is UNLOCKED for the downhill position, as show at **PICTURE I**; if not like that, slightly press the front lever in order to get the correct positioning, as shown at **PICTURE I**.

- Press the boot heel towards the heel hooking pins, up to the full hooking as shown at **PICTURE L**.



PICTURE I



PICTURE L

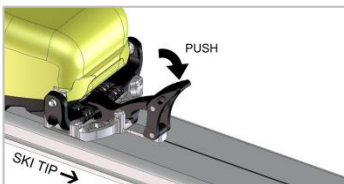
4.3 | HOW TO GET OUT FROM THE BINDING



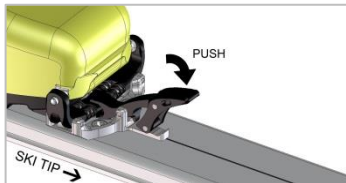
WARNING! DANGER!

- Before proceeding with the opening operations, firmly keep with a hand the ski you are going to release from the boot in order to avoid an uncontrolled ski loss that would represent a great danger for the skier and third parties which may be hit by the ski.

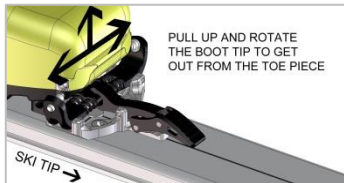
- By the uphill position, press on the toe front lever as show at **PICTURE M**, moving it to the downhill position.
- By the downhill position, press again the toe front lever as shown at **PICTURE N**, in order to fully open the toe part and release the boot.
- Lift and rotate the foot tip moving the boot forward in order to get out from the heel part as shown at **PICTURE O**.



PICTURE M



PICTURE N

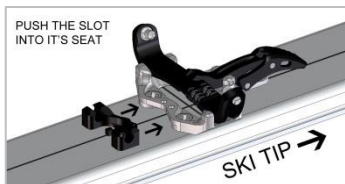


PICTURE O

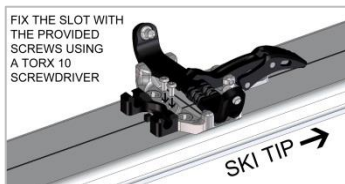
5 | HOW TO INSTALL A CRAMPONS SLOT (COD. SRA)

WARNING: the crampon slot SRA is not included into the binding box; in case of need, it can be purchased through any HAGAN AUTHORIZED DEALER.

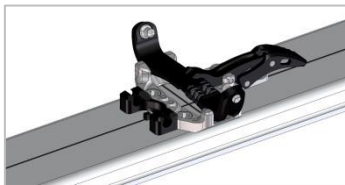
- Check that the crampons slot seat is free from debris or dirt that may affect the correct positioning of the slot; otherwise, clean it.
- Place the slot into its seat, up to the full contact with the binding, as shown at **PICTURE P/Q**.
- Fix the slot with the supplied screws using an high quality TORX 10 insert at a torque of 1 N/m, as shown at **PICTURE R**.



PICTURE P



PICTURE Q



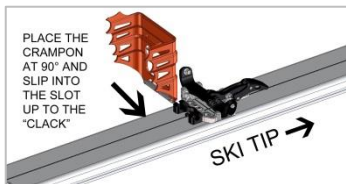
PICTURE R

5.1 | HOW TO USE THE HAGAN CRAMPONS

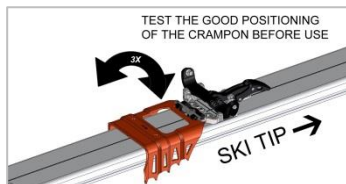
WARNING! DANGER!

- The crampons must be used only in certain weather conditions; using crampons with wrong snow/ground conditions could damage the crampons or the binding and can cause risks of injury for the user and/or third parties.
- Do not force the crampon if not correctly placed in its slot.

- Manually enter the crampon in the opposite hook, positioning it at 90° on the ski, as shown at **PICTURE S**.
- Once correctly inserted, release the crampon, to obtain the position shown at **PICTURE V**.



PICTURE S



PICTURE V

6 | HOW TO INSTALL/USE THE SBC02 | KEVLAR® CORE LEASH

WARNING! DANGER!

- We recommend the use of the SBC02 leash with all the HAGAN bindings produced after 2016; the use of not original leashes may cause damages to the binding itself, or represent a danger for the user in case of malfunctions due to incompatibility with the binding.
- The "USER'S GUIDE" and "GENERAL WARNINGS" regarding the SBC02 LEASH are provided in the leash packaging, and anyway available at the web page of the product.
- Strictly adhere to the following recommendations: the application of the leash in different positions than that shown here may be cause of malfunction and/or damages to the material.

- Insert the free extremity of the leash (without carabiner) into the special hollow on the front lever of the toe part, as show at **PICTURE U**.
- Produce a nose by passing the carabiner through the loop inserted in the front lever of the binding, as shown at **PICTURE V**.
- Stabilize the nose pulling with energy, in order to reach the configuration show at **PICTURE W**.



PICTURE U



PICTURE V



PICTURE W

7 | "HAGAN ULTRA" AVAILABLE ACCESSORIES

The HAGAN® range is completed by a series of accessories that increase comforts and performances of our bindings. Check the whole accessories range at www.hagan-ski.com

8 | CARE, MAINTENANCE AND STORAGE

- To preserve optimal performance of the product, including the release systems efficiency, it is highly recommended to periodically (EACH 3 MONTHS OF USE) lubricate the joints or rotation points with the HAGAN® ORIGINAL GREASE (CODE SG01) , that can be purchased in any of our AUTHORIZED DEALERS. Grease and maintenance user's guides are available on www.hagan-ski.com, at the respective product webpage.
- After a medium to long inactivity period it is necessary to check the status of general wear and tear of the binding and the correct lubrication of the product.
- Carefully clean the binding after each use with distilled water from dirt, salt, sand or debris; do not use spears or harsh chemical solvents.
- Please keep the ski with closed binding in order to preserve the elasticity of the springs in a dry and protective place; avoid excessive heat.
- Do not make modifications or tampering to the bindings, this will lead to the cancellation of the warranty; these actions could even compromise the functionality of the product and increase the risk of break or injury for the user and/or third parties.
- **Within 4 years after purchasing the product**, and then every two years, it is necessary to have an OFFICIAL HAGAN® CHECK in order to check worn or damaged parts, and if necessary to SERVICE the product with an official REVISION.

Contact an HAGAN AUTHORIZED DEALER to get infos regarding timing and method of revision.

9 | HAGAN WARRANTY TERMS

HAGAN® guarantees that the product is free from manufacturing or material defects for a period of two years (2) (pursuant to Italian Legislative Decree n. 24/02) starting from the date of purchase throughout an authorized dealer of HAGAN® products. The effective date of the warranty must be supported by the proof of purchase: without the original proof of purchase, the temporal effect will start from the day when the product has left the HAGAN® warehouses.

The 24 months warranty (pursuant to Italian Legislative Decree n. 24/02) is applied to each product which represents a conformity defect, even if used correctly, respecting its intended destination of use and all the elements present in the provided documentation for the use explanation.

This warranty, in accordance with Italian Legislative Decree n. 24/02, is granted only to Privat consumers (a person who buys goods for purposes not related to his professional activity, or making a purchase without indicating a reference to VAT).

Known that the HAGAN bindings are NOT CERTIFIED by any certification institute, since they DO NOT COMPLY WITH ANY DIN/ISO SAFETY STANDARD, the warranty is not valid in case of:

- Wrong installation or installation performed by a non HAGAN authorized subject;
- Inappropriate use;
- Lacking periodical maintenance as stated in this user guide;
- Carelessness;
- Inexperienced use;
- Modifications applied without the producer authorization;
- Purchase through an unauthorized Dealer (please check the updated Authorized dealers list at our web page – www.hagan-ski.com or require it at info@hagan-ski.com ;
- Purchase by a not original subject;
- Overuse.

For the HAGAN “RACE ORIENTED PRODUCTS” (REPARTO CORSE CATEGORY OF 2016/17 COLLECTION) (= designed and produced for the ski mountaineering competition) having performance as one of its primary objective, the warranty does not work for other uses than that is provided for; in this way, the warranty does not cover in case of the following use address of the product: ALPINE SKIING, EXTREME/STEEP SKIING, SKI TOURING.

HAGAN® does not reco

gnize other express or implied warranties other than those specified in this paragraph and does not recognize damages raising by:

- Wrong mounting;
- Standard wear and tear, including chipping;
- Wrong set up;
- Use in combination with inadequate gear per definition or due to wear and tear;
- Use in combination with boots non complying with the required standard;
- Impacts or collisions with foreign bodies;
- prejudices not directly and necessarily related to the product;
- prejudices connected to the non complying with any DIN/ISO safety standard;
- prejudices anyway avoidable with due caution required by the raw mountain environment with low urbanization;
- prejudices increased by the damaged subject behaviour.

For a warranty activation – which may involve a choice of HAGAN to substitute or repair the product – the customer must reach one of the HAGAN AUTHORIZED DEALERS, and in case that all the warranty conditions will be satisfied, a warranty operation will be activated.

In case that the application of the HAGAN WARRANTY PROCEDURE requires the entire return of the product, the product itself must be returned inside the original box, complete in all its parts.

No refund can be asked to HAGAN for eventual delays for the service operations under warranty conditions.

The “DEMO/TEST” bindings are intended for an unusual and particularly intensive use, which may modify the lasting performance of the product, accelerating the wear and tear of the product itself. The warranty period on the “DEMO/TEST” products is reduced to one (1) year after the purchasing date;

Free of charge or loan of use products are fully excluded by any warranty application.

10 | LIMITATION OF LIABILITY ON THE PRODUCT

WARNING! DANGER!

The user itself is fully aware that – due to the high performance features and the need of an extreme weight save – the HAGAN bindings

DO NOT COMPLY with any DIN/ISO SAFETY STANDARD

nor DIN/ISO 11088, nor DIN/ISO 13992 .

By purchasing such products in a conscious and informed way as provided by the “USER’S AND MAINTENANCE GUIDE BOOK” of the product itself, the user expressly accepts without any reserve all the risks arising from the characteristics of the products themselves, relieving HAGAN as the producer by any reliability issue regarding eventual damages caused to the user or third parties during the use of the product itself.

HAGAN SKI Ges.m.b.h. communicates that the pictures and descriptions included in this catalogue are indicative; HAGAN SKI Ges.m.b.h. has the right to modify, up-date or delete each product or process described in this user instructions manual.



HAGAN



Check out our 2017/2018 collection at

www.hagan-ski.com