TECHNICAL MANUAL

BINDINGS 2018/2019

THE BINDINGS THAT CHANGED EVERYTHING FOR THE SKIERS WHO CHANGED EVERYTHING

MARKER

#rulethemountain
markerusa.com

Left to right:
Angel Collinson, Ian McIntosh, Tom Wallisch, Sammy Carlson

Welcome Marker Authorized Retailer and Shop Technicians:

Welcome to 2018 – the year of ALPINISTs, pro free riders and on-piste racers. Be it the new ALPINIST touring binding, the new Duke Pro with a DIN setting up to 18 or the completely new developed FDT rental system. In becoming a MARKER Certified Technician, you will gain the knowledge needed to safely and accurately select, install, adjust, test and service any MARKER component or system binding.

The MARKER Certification and Product Indemnification Program is an important risk management support program for MARKER Authorized Retailers. If the guidelines are carefully followed, it will help protect a MARKER Authorized Retailer's interest against legal claims involving MARKER Ski Bindings. In addition, it provides professional, competent service to your customers.

Use this MARKER Technical Manual with the items listed below and the online training videos at **www.markercertification.com** to help train your employees. It is important that your employees be well trained in all aspects of binding installation, adjustment and testing. Retail and demo / rental procedures are covered in this technical manual and training videos.

Accompanying this MARKER Technical Manual is the following:

- 2018 / 2019 Adjustment Chart
- Choose Your Skier Type Chart

For more information, training and certification go to **www.markercertification.com**.

Shop Technician- Training Videos and Online Certification.
Shop Technician Log In:
Retailer Customer Number
Password : squire

Shop Manager- Track MARKER Certified Technicians for shop.
Dealer Admin Log In:
Retailer Customer Number
Password : jester

We appreciate your business and support in this very important program. Be sure to check out the shop employee store at **http//www.mdvpro.com/shop-employee** so you can ski on the same great MARKER products that you sell in the store!

Please contact MARKER should you have any questions or comments.

Best regards for a great ski season,

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Lebanon, NH 03766

www.markerusa.com

www.markercertification.com

www.grip-walk.com

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1.1 AUTHORIZED RETAILER PROGRAM

The MARKER Authorized Retailer Program described in this Section 1.1 is designed to help the Authorized Retailer provide professional service to customers. Please read these pages and your MARKER Authorized Retailer Agreement carefully, as they define the program and its obligations.

Only current MARKER Authorized Retailers with retail or rental operations in the USA who are in compliance with all program requirements are eligible for the MARKER Authorized Retailer Program. The MARKER Authorized Retailer Program is subject to the terms of your current MARKER Authorized Retailer Agreement.

The MARKER Authorized Retailer Program is not insurance or an offer to provide insurance, nor is it an agreement that MARKER will defend and indemnify Authorized Retailer. Certificates of insurance will not be provided by MARKER. Every Authorized Retailer must have its own liability insurance.

HOW TO PARTICIPATE:

To be a MARKER Authorized Retailer in good standing, the Authorized Retailer must meet the following requirements, which are described in more detail in this Section 1.1 and are subject to the terms of your current MARKER Authorized Retailer Agreement:

1. Be a MARKER Authorized Retailer. To be a MARKER Authorized Retailer you must have a current MARKER Authorized Retailer Agreement, which has been signed by both the Authorized Retailer and an officer of MARKER, and you must be in full compliance with it. If selling any MARKER products online, then you and MARKER must have also signed a current Authorized Web Partner Agreement, and you must also be in full compliance with that agreement.

2. Employ at least one MARKER Certified Technician at each of your locations.

3. Follow the policies and procedures described in this manual. These procedures include proper selection, installation, adjustment, inspection and servicing of MARKER products as well as maintaining proper documentation of your procedures. Also, please note that these requirements must also be met for any online sale made under your Authorized Web Partner Agreement.

BECOME A MARKER CERTIFIED TECHNICIAN:

To become a MARKER Certified Technician you must successfully complete one of the following two options.

Option- 1

Successfully complete the 2018/2019 MARKER Certification Test after gaining a working knowledge of proper procedures for selecting, installing, and servicing MARKER products. Reading the 2018/2019 MARKER Technical Manual and viewing the MARKER Technical Videos online at **www.markercertification.com** may provide the training and education you will need to successfully complete the certification test.

The MARKER Certification Test must be taken online at:
www.markercertification.com

Option- 2

Attend a Ski and Snowboard Mechanics Workshop. Upon successful completion of the workshop and the related "Binding and Rental Mechanics Self Help Evaluation" the technician will be given a MARKER access card. Technicians must go online to **www.markercertification.com** and enter their code and information to receive their MARKER Certified Technician Certificate.

Individuals who complete their training and pass the MARKER Certification Test are considered to be MARKER Certified Technicians only while currently employed by a MARKER Authorized Retailer or while under contract with or sponsored by MARKER.

MARKER Authorized Retailers will be invoiced an administration and registration fee for each certification. The fee for U.S. Authorized Retailers will be $10 for each technician certification taken online or attending the Ski and Snowboard Mechanics Workshop.

1.1 AUTHORIZED RETAILER PROGRAM

AUTHORIZED RETAILER RESPONSIBILITIES:

The Authorized Retailer must comply with all procedures called for in its current MARKER Authorized Retailer Agreement, its Authorized Web Partner Agreement, this Technical Manual, and any subsequent Technical Updates issued by MARKER from time to time.

Specifically, the Authorized Retailer must:

1. Maintain proper and complete records of all MARKER products selected, installed, adjusted, rented or serviced by the Authorized Retailer, as called for in this manual and any subsequent technical updates.

2. Provide the skier with appropriate information, instructions and warnings. The Authorized Retailer must assist the customer in proper equipment selection and must install, adjust, inspect and service any MARKER product in accordance with the procedures described in this manual and any subsequent technical updates.

   Customer instruction must include how to operate the product as well as warnings that there are risks in the sport of skiing, that ski-boot-binding systems will not release or retain at all times where release or retention may prevent injury, and that they cannot prevent all injuries to any part of the user's body.

   Examples of appropriate warnings are included in the MARKER Rental and Retail agreements in this manual.
   WORKSHOP FORMS ➔16.5

   It is permissible to use most current forms, such as those used by other major binding companies, but if you choose to use other forms of agreement, submit them to MARKER well in advance of the season to be sure that they are acceptable.

3. Not intentionally change the physical form or function of any MARKER binding or other MARKER product.

4. Not engage in application of any MARKER product for other than its intended use (including, without limitation, any use other than in the sport of snow skiing, after proper selection, installation, adjustment and inspection, on a pair of skis or any use of Marker bindings with other types of equipment or on surfaces other than snow).

5. Not commit independent acts of negligence, fraud, gross negligence or willful misconduct, either through or by Authorized Retailer, its employees or its agents.

6. Not participate in illegal, immoral or illicit conduct either through or by Authorized Retailer, its employees, or agents.

7. Not make or permit to be made any warranties or representations other than those that have been expressed in writing by MARKER regarding any MARKER product or any other products.

8. Employ a MARKER Certified Technician at each location that sells, rents or services Marker products. The MARKER Certified Technician must abide by the responsibilities stated below. Should an Authorized Retailer lose its only MARKER Certified Technician at any given location, MARKER must be notified by telephone within 48 hours. Arrangements for certification of a replacement will then be made.

   A MARKER Certified Technician will only remain certified while he or she works for a MARKER Authorized Retailer. MARKER must be notified in writing of any MARKER Certified Technician who transfers between Authorized Retailers.

CERTIFIED TECHNICIAN RESPONSIBILITIES:

A MARKER Certified Technician is required to know how to properly select, install, adjust, inspect and service all current MARKER products.

A MARKER Certified Technician must also be able to provide proper skier instruction and warnings for these products.
SKIER INSTRUCTION ➔15.4

By his or her signature on a workshop retail or rental form, the MARKER Certified Technician verifies that all appropriate procedures have been followed. MARKER Certified Technicians must always use their full signature on shop records, initials are not acceptable.
RECORD KEEPING ➔15.3

It is not necessary that the person who selects, installs, adjusts, inspects or services a MARKER product be a MARKER Certified Technician, but it is essential that the signature that appears on the workshop retail or rental form be that of the MARKER Certified Technician who has inspected the work performed. Non-certified technicians must be familiar with the procedures described in this manual for the products they work on.

1.2 INDEMNIFIED PRODUCTS

Defense and indemnification extend only to those MARKER products listed below which were originally distributed by MARKER, Völkl, K2, Nordica, Blizzard, Kästle and Bogner in the USA, or which were purchased abroad by the customer purely for personal use and not for resale.

MARKER bindings are designed for the sole purpose of alpine skiing and are not intended for any other use.

Products which are worn out or otherwise unsuitable for use, such as those which fail the inspections described in this manual, will not be indemnified.
BINDING INSPECTION ➔ **2.2**

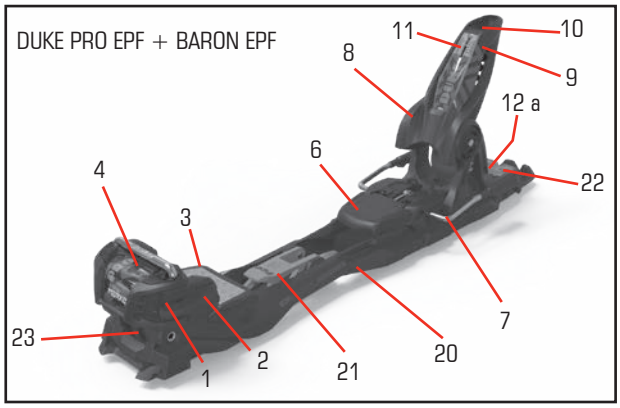
The bindings listed on the next two pages are defined by MARKER as current products and will be indemnified to the extent defined in this manual and in the MARKER Authorized Retailer Agreement.

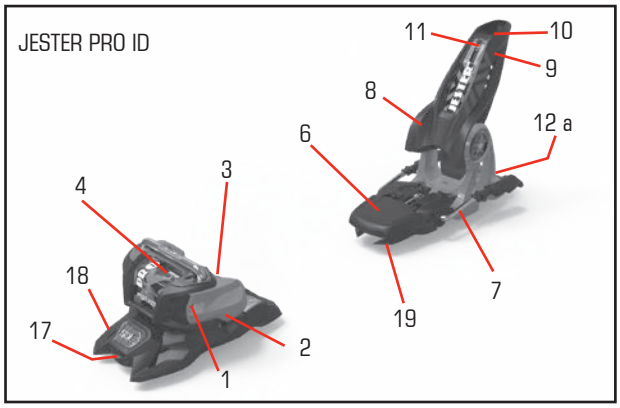
2018/2019 Marker Indemnified Retail Binding Line				
Marker Retail Binding Line	**Marker Non Current Retail**	**Marker/Völkl Non Current Retail Line**	**Marker/Blizzard Non Current Retail Line**	**Marker/Nordica Non Current Retail Line**
Kingpin 10	Lord	eMotion 11.0 TC	IQ Xcell 14 Demo	N POWER X-Cell EVO
Kingpin 13	Squire	iPT Wide Ride 14.0 V-Werks	IQ Xcell 12 Demo	N PRO X-Cell EVO
Duke Pro EPF	Schizo 14	iPT Wide Ride 14.0 D	TCX 12 Demo	N POWER X EVO
Duke EPF	Schizo 11	iPT Wide Ride 12.0 D	TCX 12 Demo W	N PRO X EVO
Baron EPF	Free Ten	rMotion 14.0 D V-Werks	IQ TCX 12 Demo	N POWER EVO
Tour 12 EPF	M7.0 Free	rMotion 16.0 D	IQ TCX 12 Demo W	N PRO EVO
Tour 10	M11.0 TC EPS	rMotion 12.0 D	TP 11 Demo	N SPORT X CT
Jester Pro ID	M10.0 EPS	xMotion 12.0 TC D	TP 10 Demo	N PRO 2S Xbi CT
Jester 16 ID	M7.0 EPS	sMotion 12.0 TC D	TP 10 Demo W	N EXP 2S Xbi CT
Griffon 13 ID	M4.5 EPS	Attiva iPT Wide Ride 12.0 D	IQ TP 10 CM2 Viva NK	N EXP EVO
Squire 11 ID	Jester	Attiva 3Motion 11.0 TC	Power 14 TCX	N SPORT EVO
12.0 TPX	Griffon	Attiva 3Motion 10.0	Power 12 TCX	N PRO XBI
11.0 TP	12.0 Glide Control	3Motion TL 10.0	Power 12 TCX Viva	N 3-12 XBi
10.0 TP	M10.0 Jr. Comp EPS	3Motion TL 10.0 Attiva	IQ TP 12 CM2 NK	N SPORT XBI
Race Xcell 18	Jester Schizo	sMotion 12.0 TC	IQ TP 12 CM2 Viva NK	N POWER XBI
Race Xcell 16	Griffon Schizo	iPT SpeedRide 12.0 TS D	IQ TP 10 CM2 Viva	N EXP XBI
Race Xcell 12	Squire Schizo	iPT SpeedRide 11.0 TC D	IQ TP 10 CM2 Viva NK	N 5-14 XBi
Race 10 TCX	Comp 20.0 EPS	Motion iPT R 14.0 D	IQ TP 10 Viva	N 3-12 XBi
Race 10	Comp 16.0 EPS	Motion iPT 12.0	IQ TP 12 CM2	N 3-11 Ti XBi
Race 8 Junior	Comp 12.0 EPS	Motion iPT 11.0 TC	IQ TP 12 CM2 Viva	N 0514 XBi
Free 8	11.0 Glide Control	3Motion 11.0 TC	IQ Power 12	N 0312 Ti XBi
Free 7	M10.0 Ccsi	3Motion 10.0	IQ Power 11	N SPORT XBI CT
7.0	Baron	Motion iPT R 14.0 TS D	IQ Power 11 Viva	TPX 12 EVO
4.5	Tour 12	Motion iPT 12.0 TS	IQ-LT 10 Viva CM2	IQ 7
Non ISO Certified Bindings	Duke	Motion iPT R 14.0 TS Piston D	IQ LC 10	IQ 4.5
Alpinist 12	M11.0 TC Ccsi	Motion iPT 12.0 TS Piston	IQ LC 10 Viva	
Alpinist 9	10.0 Free	Motion iPT R 14.0 Piston D	IQ Power 14	
Alpinist 12 Long travel	12.0 Free	Motion iPT 12.0 Piston	IQ TC 12	
Alpinist 9 Long Travel	M11.0 Free TC	Attiva Motion iPT 11.0 TC	IQ TC 11	
	M11.0 Free	Motion TT 11.0 TC	IQ TC 11 Viva	
Marker/Völkl Retail Line	M7.0 EC 10	**Marker/K2 Non Current Retail Line**	IQ-LT 10	
rMotion2 16 GW	M10.0 Attiva CCsi	MXCELL 14.0 TCx	IQ Max 14 TT CM 90	
rMotion2 12 GW	M10.0 Jr. Comp CCslx	MXCELL 12.0 TCx	IQ Max 12 TT CM 90	
iPT WR XL 14 FR GW	12.0 TC Piston Control Turbo	MXC 12.0 TCx	IQ Max 12 TT CM 90 Viva	
iPT WR XL 12 FR GW	12.0 TC Piston Control	ERC 11.0 TC	IQ Max 12 TT CM 110	
iPT WR XL 12 TCX GW	M11.0 TC CCslx	M3 12 TCx light	IQ-MAX 14 TT CM 110	
iPT WR XL 11 TCX GW Lady	M11.0 CCsi	M3 11 TCx light	IQ-TP 14	
VMotion 12 GW	14.0 Free	ER3 10 TCx light	IQ-TP 12	
VMotion 11 GW Lady	12.0 Twin Cam Glide Control	M3 10 Compact	IQ-TP 11	
VMotion 10 GW	M11.0 Twin Cam Piston Control	ER3 10 Compact	IQ TP 11 Viva	
VMotion 10 GW Lady	M11.0 Titanium L-Tech Contact Control si	ER3 10 TCx light Quikclick	IQ-LT 10 Viva	
7.0 VMotion Jr. R	Comp 14.0 Piston Control Turbo	M3 12.0 TC	IQ-SP 11	
7.0 VMotion Jr. R Lady	Comp 14.0 Free	M3 11.0 TC	IQ-SP 11 Viva	
4.5 VMotion Jr.	Comp 14.0 EPS	M3 11.0	LT 10 Race	
4.5 VMotion Jr. Lady	Titanium 13.0 Piston Control Turbo	M3 10.0	FR 16 IQ small	
	Titanium 12.0 Piston Control Turbo	ER3 10.0 TC	FR 16 IQ large	
Marker/K2 Retail Line	Titanium 12.0 Piston Control	ER3 10.0	FR 12 IQ small	
MXCELL 14 TCx D	Titanium 12.0 Glide Control xi	M2 10.0	FR 12 IQ large	
MXCELL 12 TCx D	Titanium 12.0 Free	ERP 10.0	IQ 5.14 TT	
MXC 12 TCx Quikclik	Titanium 12.0 EPS	10.0 Free	IQ 5.14 TT 110	
MXC 12 TCx light Quikclik	M11.0 Titanium Piston Control	MXC 14.0 TCx	IQ-HP 14 TT	
M3 12 TCx Light Quikclik	M11.0 Titanium Contact Control slx	MOD 12.0 MXC TC	IQ-HP 12 TT	
M3 11 TCx Light Quikclik	M11.0 Contact Control slx	MOD 11.0 TC ERC	IQ 4.12 TT	
ERC 11 TCx light Quikclik	Titanium 13.0 Piston Control IBX	MOD 12.0 M3 TC	IQ 4.12 TT 110	
ER3 10 TCx light Quikclik	M11.0 Titanium Contact Control sli	MOD 11.0 M3	IQ 4.12 TT Viva	
M3 11 Compact Quikclik	Titanium 12.0 Piston Control IBX	MOD 14.0 MXC	IQ 4.12 TT Viva Ltd	
M3 10 Compact Quikclik	M11.0 Titanium IBC	MOD 12.0 MXC	IQ 5.14 TC	
ER3 10 Compact Quikclik		MOD 10.0 M3	IQ 5.14 TC 110	
ERP 10 Quikclik	**Marker/Völkl Non Current Retail Line**	MOD 10.0 ER3	IQ 4.12 TC	
M2 10 Quikclik	iPT WR XL 14.0 FR D	MOD 10.0 ERP	IQ 4.12 SP	
M2 10	iPT WR XL 12.0 FR D	MOD 10.0 M2	IQ 3.10	
ERP 10	iPT WR XL 12.0 TCX D	MOD 14.0 MX	IQ 3.10 Lady	
	iPT WR XL 11.0 TCX D	MOD 12.0 MX	Junior IQ 4.5	
Marker/Nordica Retail Line	rMotion2 16.0 D	MOD 11.0 TC ERS	Junior IQ 7.0	
RACE Xcell 14	rMotion2 12.0 D	MOD 11.0 TC MX	S 7	
Xcell 14 FDT	xMotion 12.0 TCX D	Griffon SchizoFRANTIC	S 4.5	
Xcell 12 FDT	xMotion 11.0 TCX D	Squire SchizoFRANTIC	IQ 7	
TPX 12 FDT	4Motion XL 12.0 TCX D	MOD 11.0 TC M1	IQ 4.5	
TP2 Light 11 FDT	4Motion XL 12.0 TCX	M 10.0 M2		
TP Light 11 FDT	4Motion XL 11.0 TCX Lady	MOD 14.0 Piston M1		
	4Motion 11.0 TC D	MOD 12.0 Piston M1		
Marker/Blizzard Retail Line	4Motion 11.0 TC	MOD 12.0 M1		
Xcell 14 Demo	4Motion 10.0	Piston MOD M1 11.0 TC		
Xcell 12 Demo	3Motion TP Light 10.0	MOD M2 11.0 TC		
TPX 12 Demo	3Motion Junior 4.5	MOD 11.0 M2		
TPX 12 Demo W	3Motion Junior 7.0	MOD 10.0 M2 Q		
TCX 11 Demo	Attiva Motion iPT 12.0 Piston	M 9.0 M2		
TLX 11 Demo	Motion Jr. 7.0	MOD 14.0 Piston IBX		
TPC 10 Demo	Motion Jr. 4.5	MOD 12.0 Piston IBX		
IQ TP 10	Motion iPT R 14.0 Piston	MOD 12.0 IBX		
IQ TP 10 W	Motion LT 11.0 TC	MOD 11.0 Ti IBX		
TLT 10 DEMO	Motion LT 10.0	MOD 11.0 IBX		
TLT 10 DEMO W	Attiva Motion iPT 11.0 TC	Speed line 7.0		
	Attiva Motion LT 11.0 TC	M7.0 Speed Line		

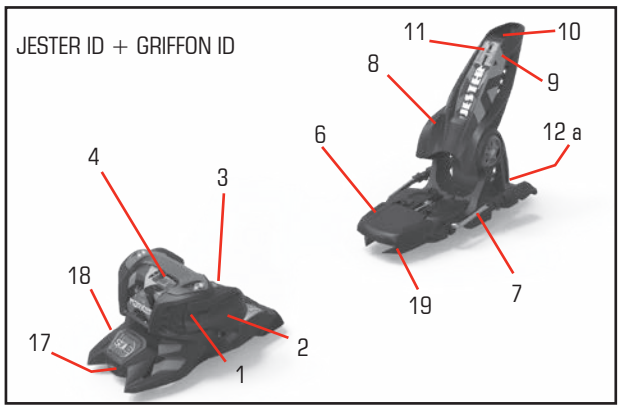
2018/2019 Marker Indemnified Rental/Demo Binding Line

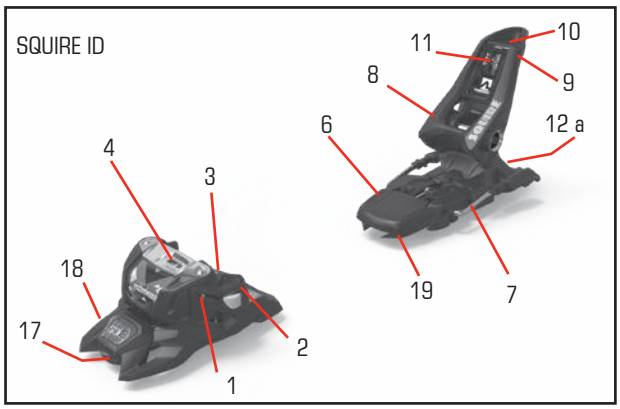
Marker Rental Demo	Marker Non Current Rental Demo	Marker/K2 Non Current Rental Demo	Marker/Blizzard Non Current Rental Demo
Kingpin 10 Demo	Jester Demo	MXCELL 12.0 TCx Q	IQ Xcell 14 Demo
Kingpin 13 Demo	Squire Demo	MXC 12.0 TCx Q	IQ Xcell 12 Demo
Griffon Demo	10.0 Fastrak III TP	ERC 11.0 TC Q	IQ TCX 12 Demo
Griffon TCX Demo	M4.5 Fastrak 2	M3 10.0 TC Q	IQ TCX 12 Demo W
Squire TCX Demo	M7.0 Fastrak 2	ER3 10.0 TC Q	IQ TP 10 CM2 Viva NK
FDT TP12 TPX	M7.0 RTL	QuikClik M3 10	TCX 12 Demo
FDT TP11	M4.5 RTL	QuikClik M2 10	TCX 12 Demo W
FDT TP10	10.0 Fastrak III	QuikClik ERP 10	TP 11 Demo
FDT 7.0	12.0 Glide Control	Fastrak3 10 TP	TP 10 Demo
FDT 4.5	11.0 Glide Control	ER3 10 TC Q	TP 10 Demo W
7.0 RTL	M10.0 Fastrak 2	MXC 12 TC Q	Power 14 TCX
4.5 RTL	M11.0 TC Speed Point	MOD 12.0 MXC TC Q Demo	Power 12 TCX
	M9.0 Speed Point	M3 10.0 Q	Power 12 TCX Viva
Marker/Völkl Rental Demo	M12.0 TC Speed Point	ER3 10.0 Q	IQ TP 12 CM2 NK
rMotion2 16 GW	Comp 16.0 IBC	MOD 12.0 TC ERC DEMO	IQ TP 12 CM2 Viva NK
rMotion2 12 GW	M12.0 IBC	MOD 10.0 M3 Q Demo	IQ TP 10 CM2
iPT WR XL 14 FR GW	M11.0 IBC	MOD 11.0 TC ERC Demo	IQ TP 10 CM2 Viva
iPT WR XL 12 FR GW	M7.0 Speed Tune	MOD 10.0 M3 D	IQ TP 12 CM2
iPT WR XL 12 TCX GW	M4.5 Speed Tune	MOD 10.0 ER3 D	IQ TP 12 CM2 Viva
iPT WR XL 11 TCX GW Lady	Titanium 12.0 Piston Control IBX Demo	MOD 12.0 MX D	IQ Power 12
VMotion 12 GW	Titanium 12.0 Speed Point	MOD 12.0 MX Q Demo	IQ Power 11
VMotion 11 GW Lady	M11.0 Titanium Speed Point	MOD 11.0 TC ERS D	IQ Power 11 Viva
VMotion 10 GW	Comp 14.0 Piston Control IBX Demo	MOD 10.0 ERP Q	IQ-LT 10 Viva CM2
VMotion 10 GW Lady		MOD 11.0 TC M1 D	IQ Power 14
7.0 VMotion Jr. R	**Marker/Völkl Non Current Rental Demo**	MOD 9.0 IBC	IQ TC 12 CMR
7.0 VMotion Jr. R Lady	iPT WR XL 14.0 FR D	MOD 12.0 Piston M1 D	IQ TC 11 CMR
4.5 VMotion Jr.	iPT WR XL 12.0 FR D	MOD 12.0 M1 D	IQ TC 11 Viva CMR
4.5 VMotion Jr. Lady	iPT WR XL 12.0 TCX D	Piston MOD M1 11.0 TC Demo	IQ-LT 10 CMR
	iPT WR XL 11.0 TCX D	MOD M1 11.0 TC Demo	IQ LC 10 Viva CMR
Marker/K2 Rental Demo	rMotion2 16.0 D	MOD M1 11.0 Ti Demo	IQ Max 14 TT CM 90
MXCELL 14 TCx D	rMotion2 12.0 D	MOD 11.0 TC IBC	IQ Max 12 TT CM 90
MXCELL 12 TCx D	4Motion XL 12.0 TCX D	MOD 11.0 IBC	IQ Max 12 TT CM 90 Viva
MXCELL 12 TCx Quikclik	4Motion XL 12.0 TCX	xMotion 12.0 TCx D	IQ Max 12 TT CM 110
MXC 12 TCx Quikclik	4Motion XL 11.0 TCX Lady	xMotion 11.0 TCX D	IQ-MAX 14 TT CM 110
MXC 12 TCx light Quikclik	4Motion 11.0 TC D	MOD 12.0 Piston IBX Demo	IQ-MAX 12 TT CM 110
M3 12 TCx light Quikclik	4Motion 10.0 D	MOD 12.0 IBX D	IQ-TP 14 CM
M3 11 TCx light Quikclik	3Motion TP Light 10.0 D	MOD 11.0 Ti IBX Demo	IQ-TP 12 CM
ERC 11 TCx light Quikclik	3Motion Junior 4.5	Free 10 compact Quikclik	IQ-TP 11 CM
ER3 10 TCx light Quikclik	3Motion Junior 7.0		IQ TP 11 Viva CM
M3 10 Compact Quikclik	eMotion 11.0 TC D	**Marker/Nordica Non Current Rental Demo**	MOD 10.0 IBC
ER3 10 Compact Quikclik	iPT Wide Ride 14.0 D	N POWER X EVO	MOD 14.0 Piston IBX Demo
M2 10 Quikclik	iPT Wide Ride 12.0 D	N PRO X EVO	IQ-TP 14 CMR
ERP 10 Quikclik	rMotion 14.0 D V-Werks	N POWER EVO	IQ-TP 12 CMR
Free 10 Quikclik	rMotion 16.0 D	N PRO EVO	IQ-TP 11 CMR
	rMotion 12.0 D	N EXP EVO	IQ TP 11 Viva CMR
Marker/Nordica Rental Demo	xMotion 12.0 TC D	N SPORT EVO	IQ-LT 10 CM
XCELL 14 FDT	sMotion 12.0 TC D	N SPORT X CT	IQ-LT 10 Viva CM
XCELL 12 FDT	Attiva iPT Wide Ride 12.0 D	N PRO 2S Xbi CT	IQ-LT 10 Viva CMR
TP2 LIGHT 11 FDT	3Motion TL 10.0 D	N EXP 2S Xbi CT	IQ-SP 11 CM
TP LIGHT 11 FDT	3Motion TL 10.0 Attiva D	N PRO XBI	IQ-SP 11 Viva CM
TP2 COMPACT 10 FDT	3Motion 10.0 Attiva D	N 3-12 XBi	IQ 5.14 TT Centermove
	iPT SpeedRide 12.0 TS D	N SPORT XBI	IQ 5.14 TT Centermove 110
Marker/Blizzard Rental Demo	iPT SpeedRide 11.0 TC D	N POWER XBI	IQ-HP 14 TT CM
Xcell 14 Demo	Motion iPT R 14.0 D	N EXP XBI,	IQ-HP 12 TT CM
Xcell 12 Demo	Motion iPT 12.0 D	N SPORT XBI CT	IQ 4.12 TT Centermove
TPX 12 Demo	Motion iPT 11.0 TC D		IQ 4.5
TPX 12 Demo W	3Motion 11.0 D Attiva		IQ 7.0
TCX 11 Demo	3Motion 10.0 D		
TLX 11 Demo	Motion TT 10.0 D		**Marker/Kästle Non Current**
TPC 10 Deom	Motion TT 10.0 D Attiva		KTI K14
IQ TP 10	Motion iPT 12.0 TS Piston D		KTI K12
IQ TP 10 W	Motion iPT 14.0 Piston Demo		CTI K14
TLT 10 DEMO	Motion iPT 12.0 Piston Demo		CTI K12
TLT 10 DEMO W	Motion iPT 11.0 TC Demo		CTI K11 Glide Control
	Motion TT 11.0 TC		
Marker/Bogner Retail & Rental Demo	Motion Jr. 7.0		
11.0 TC Glide Control D Bogner; 90 mm	Motion Jr. 4.5		
Xcell 12 Demo; Bogner			
Xcell 12 Demo; Indigo			

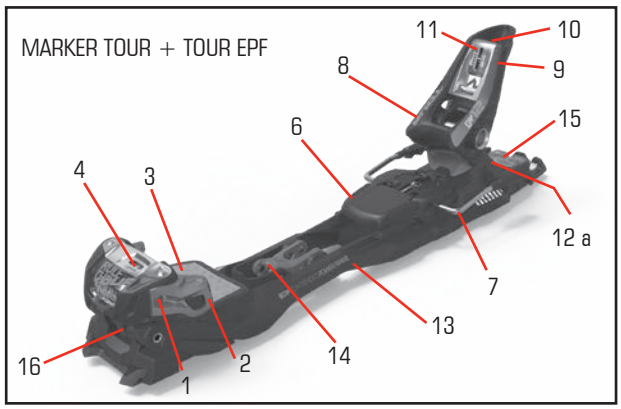
2.1 BINDING COMPONENT DESCRIPTION

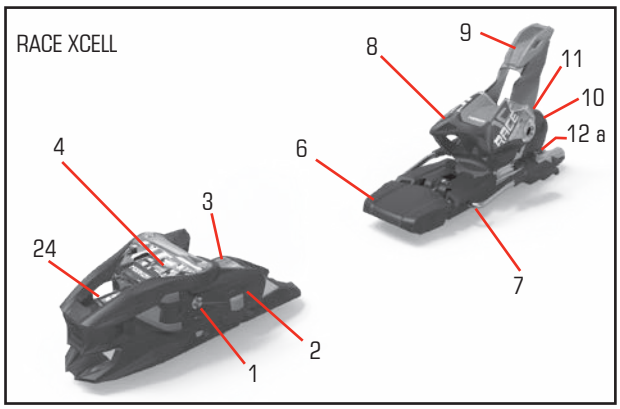












TOE

1 Release force adjustment screw
2 Toe cup (soleholder)
3 Gliding AFD
4 Release force scale

HEEL

6 Brake pedal
7 Ski brake
8 Heel cup (soleholder)
9 Opening lever
10 Release force adjustment screw
11 Release force scale
12a Forward pressure adjustment screw

MARKER TOUR + TOUR EPF

13 Tour system plate
14 Tour engagement lever
15 Tour climbing aide
16 Tour AFD adjustment screw

JESTER PRO ID & JESTER ID & GRIFFON ID & SQUIRE ID

17 Adjustment screw gliding AFD sole.ID
18 Front plate
19 Heel plate

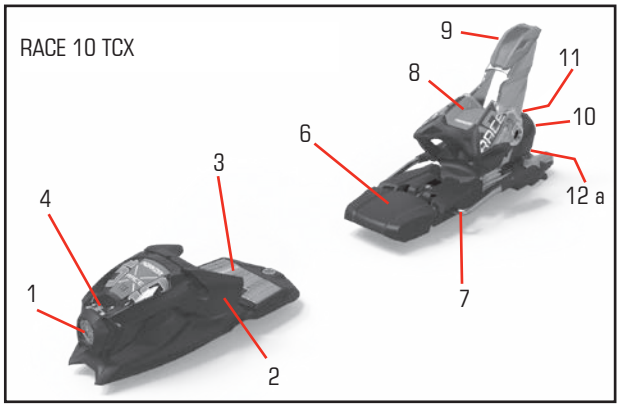
DUKE PRO EPF + BARON EPF

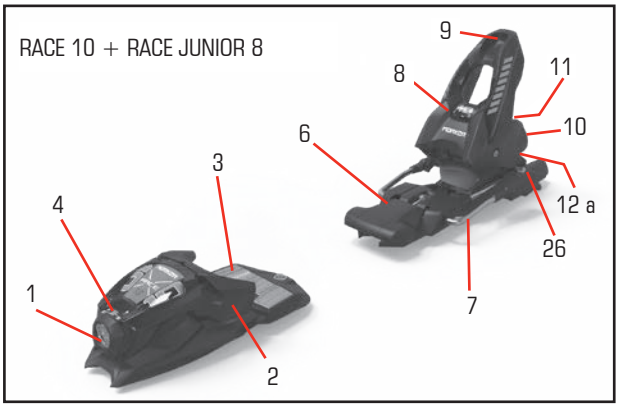
20 BCT plate
21 BCT engagement lever
22 Climbing aide
23 AFD adjustment screw

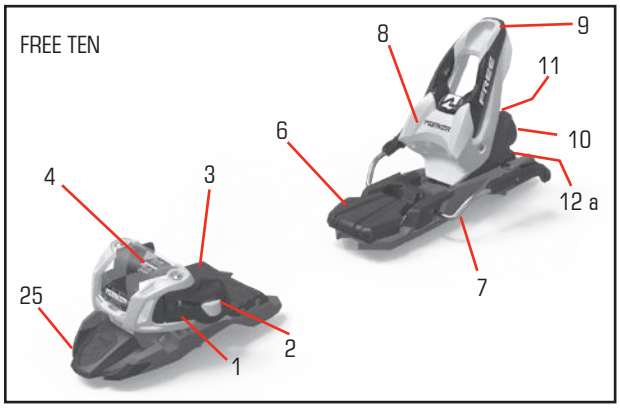
RACE XCELL

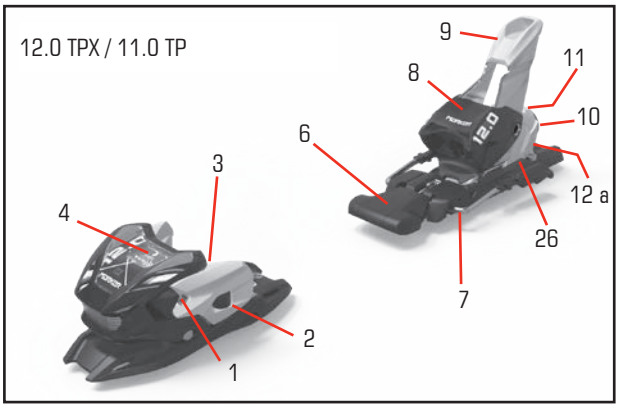
24 Xcell shock absorber

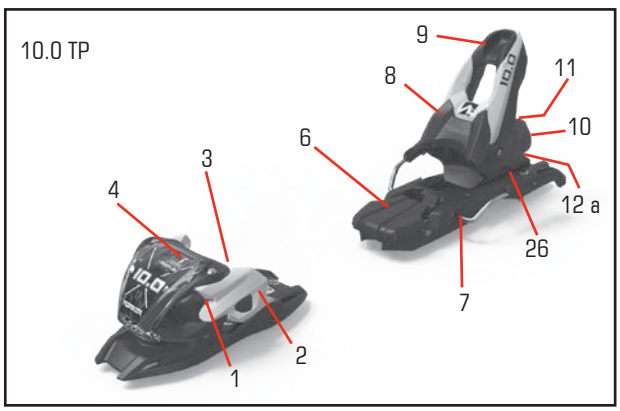
2.1 BINDING COMPONENT DESCRIPTION

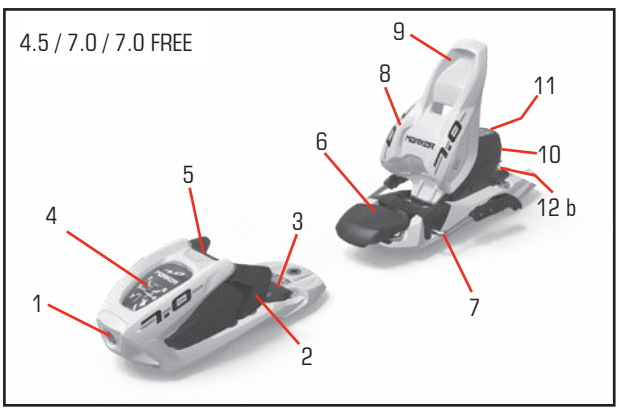












TOE
- 1 Release force adjustment screw
- 2 Toe cup (soleholder)
- 3 Gliding AFD
- 4 Release force scale
- 5 BIOTECH upward release

HEEL
- 6 Brake pedal
- 7 Ski brake
- 8 Heel cup (soleholder)
- 9 Opening lever
- 10 Release force adjustment screw
- 11 Release force scale
- 12a Forward pressure adjustment screw
- 12b Child & Junior forward pressure lever

FREE TEN
- 25 front plate

EPS
- 26 heel plate

KINGPIN & KINGPIN DEMO:
see ➔ **4.1** on page 19

ALPINIST & ALPINIST LONG TRAVEL:
see ➔ **5.1** on page 35

MARKER bindings conform to the CPSIA Act of 2008, Section 101

For complete information on Section 101 please refer to the CPSC or Marker web sites.

2.2 BINDING INSPECTION:

GENERAL NOTE:

In order for Marker to optimize our quality management and product design it is requested that all Marker ski binding quality and product issues be reported to your Marker sales representative and / or distributor.

As an authorized MARKER retailer you agree to check all the equipment according to DIN - ISO 11088 before the installation or adjustment of the function unit ski / ski binding / ski boot. If necessary, you have to replace one part of the unit or all three parts. All parts have to be in accordance with DIN - ISO standards.

All new MARKER bindings are in accordance with the requirement of the national and international norms (ISO and ASTM) and may even have a higher accuracy than required. They are also inspected by the TÜV Product Service. Before the installation and adjustment perform a visual inspection of the binding (especially with used bindings).

NOTE THE FOLLOWING:

- Check if the release force settings are correct according to the skier.
- Check the surfaces which stay in direct contact with the ski boot if they are deteriorated or damaged.
- Repair or replace the deteriorated or damaged parts with new parts.
- Check if the gliding AFD is damaged.
- Check if the ski brake is broken or bent, and check function.

REPLACING SKI BRAKES ➔ **13.5 - 13.10**
BRAKE CHART ➔ **16.2**

- Check if screws are missing.
- Check if all screws have the correct length.

SCREW CHART ➔ **16.1**

- Check scales for readability and adjustability.
- Remove dirt or corrosion with a moist rag or with compressed air. Repair damaged parts. Do not use solvents. Do not use silicone or any other lubricating agent on the toe and heel cup areas or any other binding part that has direct contact with the boot.

REMARK:
MARKER ALPINIST ski bindings do not meet ISO Certification.

MARKER ALPINIST ski bindings are compatible with ski boots with tech inserts to the Dynafit specification of 29.09.2009. In addition, some boot manufacturers have developed boots and manufactured their own inserts for their touring ski boots which should be suitable for Pin-Tech bindings. However, Marker cannot guarantee that these inserts will function correctly.

2.3 SKI INSPECTION:

Follow the ski manufacturer's instructions concerning drill bit dimensions, adhesives or tapping. In the absence of any ski manufacturer guideline, follow the recommendations in this chapter.

- Ensure adequate thickness to allow for proper screw penetration depth. If you suspect that the ski may be too thin, place the binding component on the ski so that the screw, about which you are concerned, hangs over the side of the ski. If it looks like the screw may dimple the ski base use a shorter MARKER screw or carefully grind the screw.

Pay special attention when mounting junior skis. For the installation of the Free 8 and 7.0 / 4.5 bindings use the drill bits 3,6 x 7,5 or 4,1 x 7,5 for both junior skis and adult skis.

The models Race 10 and Race Junior 8 will accomodate both junior skis and adult skis. When mounting these binding models on group 3 and 4 junior skis use the drill bits 3,6 x 7,5 or 4,1 x 7,5. Furthermore, the pre-installed screws have to be removed and replaced with the junior screw set.

- Ensure adequate width. Check the location of any top edges which the binding screws might contact and cause delamination or distortion. This is especially important for narrow skis with aluminum top edges.

- Check the location of the reinforced mounting platform or similar reinforcement plates which are 3 to 6 mm below the top surface. These plates must be drilled completely through to ensure proper screw penetration and retention and to help prevent top - sheet delamination caused by a screw tip not penetrating the mounting platform.

CAUTION !
When installed, the screws should not dimple or pierce the ski base.

CAUTION !
The intended use of MARKER ski bindings is only for the sport of alpine skiing and should not be used for any other purpose.

2.4 BOOT INSPECTION:

Most modern alpine boots are manufactured in accordance with the ISO 5355 standard specification for ski boot dimensions, while most modern alpine touring boots are manufactured in accordance with ISO 9523 standard specification for alpine touring ski boot dimensions.
These standards define the critical shapes at the toe and heel of the boot to help ensure compatibility with bindings, according to ISO 9462 and ISO 13992.

CHECK THE BOOTS FOR THE FOLLOWING:

- If the boot is a standard boot, it will usually be stamped or marked with the initials „DIN“ or „ISO“. If these initials are not on the boot, contact the boot manufacturer for appropriate procedures for modifying the boot in order to bring it within standard. If the boot can be modified so that the resulting boot meets the ISO standard, it can be used with MARKER bindings.
- Inspect the AFD area on the sole for damage, excessive wear or foreign material. This area of the sole should be smooth and flat.
- Check for excessive wear on any surface where the boot contacts the binding. The boot sole should not be worn beyond the minimum dimensions according to the norm. When in doubt, replace the boot.
- Inspect the boot for proper shell hardness. Although most boots are made with relatively hard plastics, some older models were made with low - grade thermoplastic material which can be easily depressed with a thumbnail. MARKER does not recommend the use of low - grade thermoplastic boots due to their inconsistent performance properties. If you determine that the boot is low - grade thermoplastic, make a note on the workshop ticket and inform the customer.
- Junior norm boots must never be used with adult bindings.
- The binding models Race Junior 8 and Free 8 are designed for use only with Junior norm boots type C.
- MARKER 's 7.0 and 4.5 will accommodate both adult and junior boots.

STANDARD BOOT NORMS:

If the boot is a standard boot, it will usually be stamped or marked with the initials “DIN” or “ISO”. If these initials are not on the boot, contact the boot manufacturer for appropriate procedures for modifying the boot in order to bring it within standard. Only standard boots must be used.

ISO 5355 boots are designed for use with a pair of classic skis and a standard alpine binding, and not with a monoski, snowboard or skiboard.

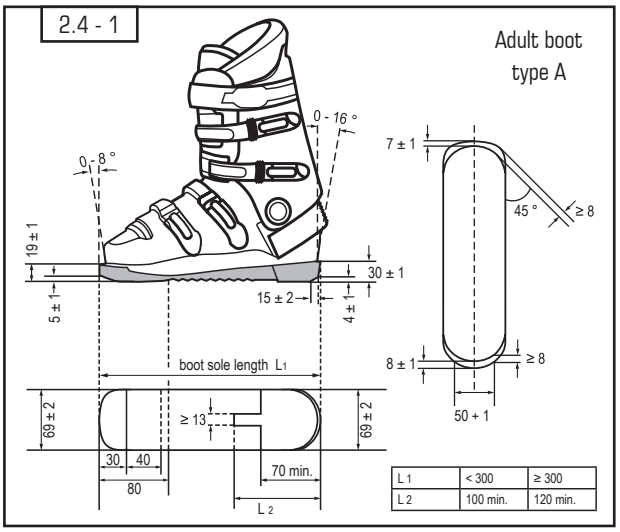
ISO 9523 boots are designed for use with a pair of touring bindings, and not with alpine bindings, monoski, snowboard or skiboard.

CAUTION !
Any performance or fit modification of a boot that could effect the function between the boot and binding should be inspected to verify that the boot meets Standard Alpine Boot and Standard Alpine Touring Boot Standards. Mechanical Inspection is recommended after any such modification.

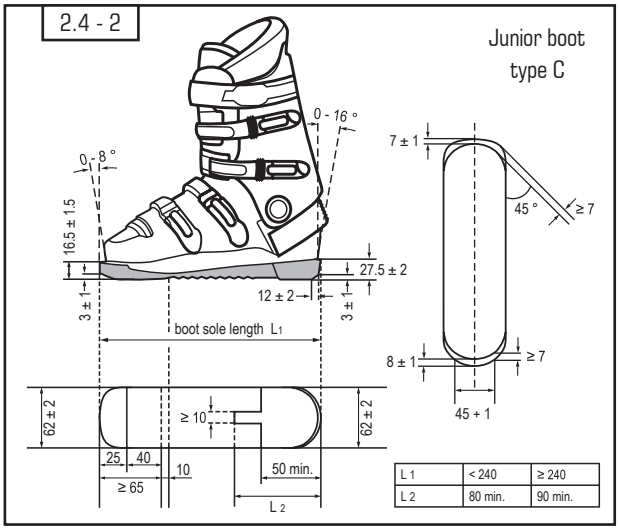
CAUTION !
Only ski boots which are in accordance with the valid norm must be used in combination with a MARKER binding.

CAUTION !
MARKER KINGPIN, KINGPIN DEMO, MARKER ALPINIST and ALPINIST LONG TRAVEL ski bindings are compatible with ski boots with tech inserts to the Dynafit specification of 29.09.2009. In addition, some boot manufacturers have developed boots and manufactured their own inserts for their touring ski boots which should be suitable for Pin-Tech bindings. However, Marker cannot guarantee that these inserts will function correctly.

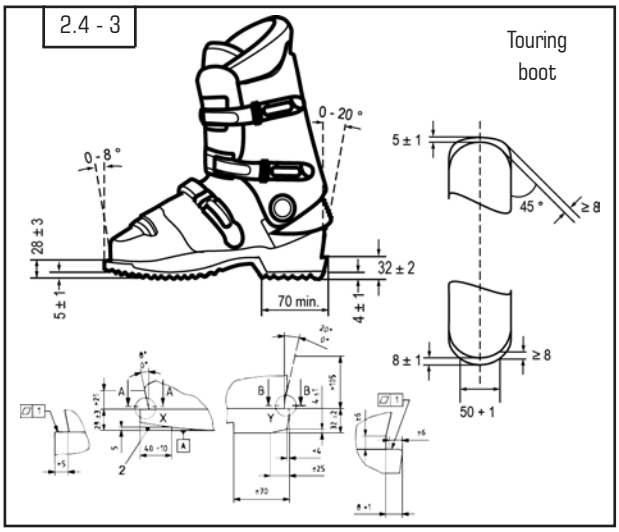
2.4 BOOT INSPECTION



Standard Adult Alpine Boot according to ISO 5355. (2.4 - 1)



Standard Children Alpine Boot according to ISO 5355. (2.4 - 2)



Standard Alpine Touring Boot according to ISO 9523. (2.4 - 3)

2.5 GRIPWALK:

In cooperation with well-known ski boot manufacturers MARKER presents a new boot – binding system which provides increased comfort and better grip when walking, starting winter 16 / 17. The partners for the Gripwalk® system are Dalbello, K2, Nordica, Tecnica, HEAD, Fischer, Rossignol, Lange, Atomic and Salomon. The outsole set bears the product identification "Gripwalk®" and is compatible with the following MARKER binding systems:

- Alpine ski bindings in accordance with ISO standard 9462 with the additional marking "Gripwalk®".
- Touring ski bindings in accordance with ISO standard 13992
- Duke & Baron models
- MARKER "sole.ID" models

IMPORTANT SAFETY ADVICE !
The use of the Gripwalk® outsoles with other binding systems than listed above can lead to the failure of the ski-boot-binding combination, impair the release function and is not allowed therefore.

COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS

BINDING / BOOT	ALPINE 5355	TOURING 9523	GRIP-WALK	WTR
ALPINE	X			
GRIPWALK	X		X	
TOURING / DUKE & BARON	X	X	X	X
SOLE.ID LORD SP	X	X	X	X

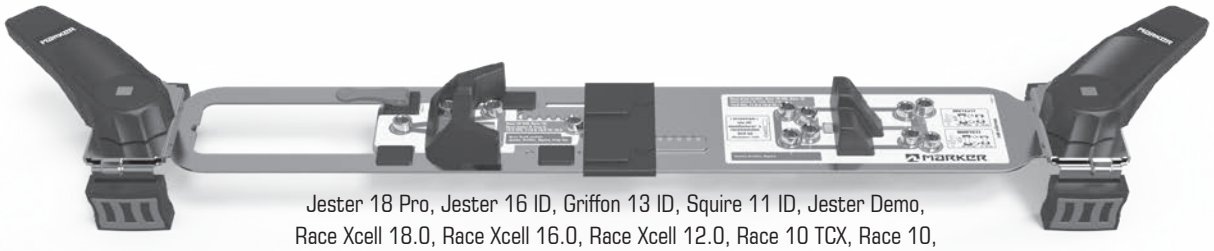
The GripWalk® outsoles are removable and must be replaced when worn and / or damaged. MARKER recommends as a matter of urgency, particularly before the skiing season and after any change of the outsoles to check the correct fit of the ski-boot-binding combination with suitable function testing equipment and, if required, to readjust the system.

To identify a GripWalk® outsole, there must be a marking of ISO 9523 (Alpine Touring) with the additional marking of GripWalk® on the sole. (2.5-1) (2.5-2)
When GripWalk® outsoles are installed on a boot, it is recommended that the GripWalk® stickers that come with the soles to be affixed to the boot in a clearly visible location. (2.5-3)

IMPORTANT:
Please note for more information and updates please visit
www.grip-walk.com

3.1 INSTALLATION TOOLS FOR MARKER BINDINGS:

W001G1T **W012J1T**

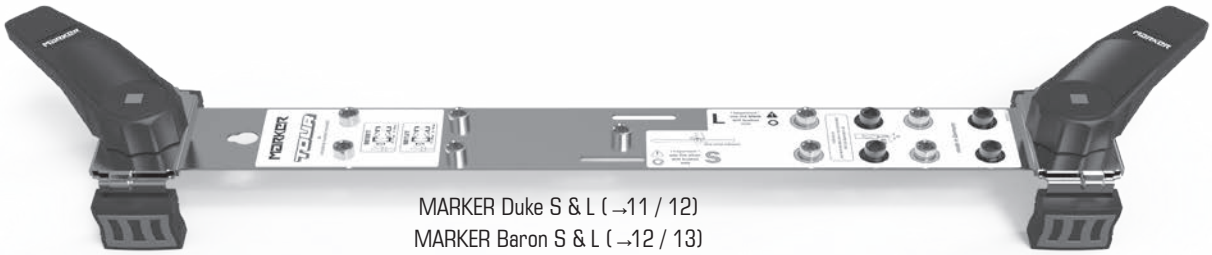


Jester 18 Pro, Jester 16 ID, Griffon 13 ID, Squire 11 ID, Jester Demo,
Race Xcell 18.0, Race Xcell 16.0, Race Xcell 12.0, Race 10 TCX, Race 10,
Race Junior 8, 12.0 TPX, 11.0 TP, 10.0 TP, Free 10, 10.0 EPS

W006M1T

MARKER Duke EPF S & L
MARKER Baron EPF S & L
MARKER F 12 Tour EPF S & L

W010G1T **W011J1T**

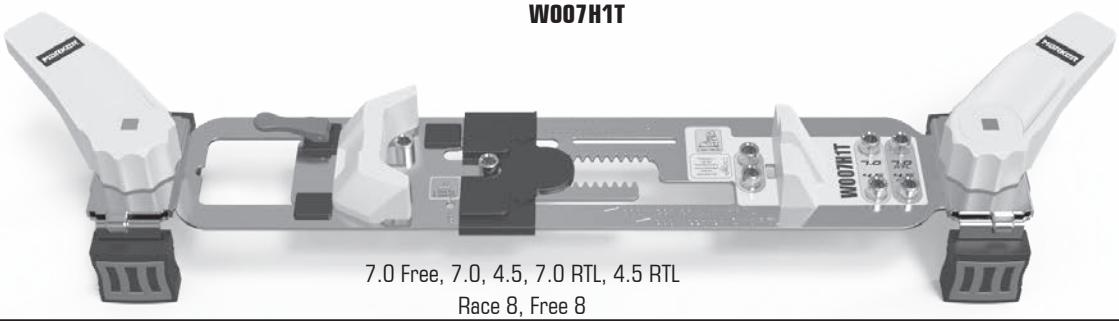


MARKER Duke S & L (→11 / 12)
MARKER Baron S & L (→12 / 13)
MARKER F 12 Tour S & L MARKER F 10 Tour S & L

W003H1T

Fastrak III Fastrak II
Junior Fastrak II
FDT Jr

W007H1T



7.0 Free, 7.0, 4.5, 7.0 RTL, 4.5 RTL
Race 8, Free 8

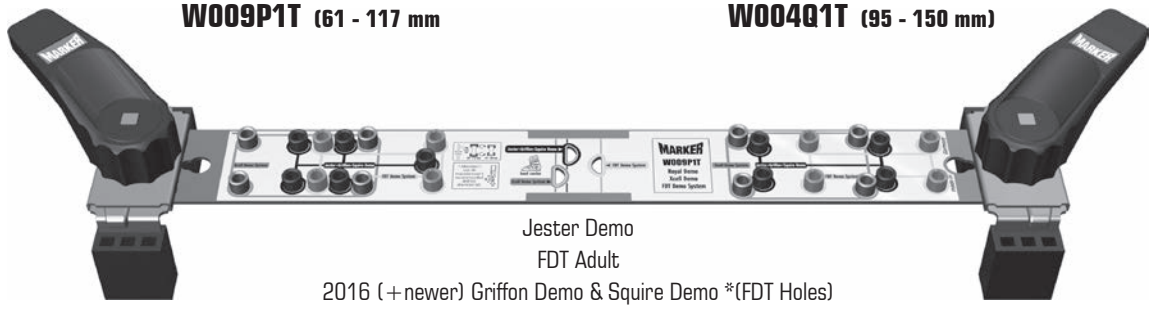
3.1 INSTALLATION TOOLS FOR MARKER BINDINGS:

W00201T (61 - 117 mm)

World Cup Piston Control Plate

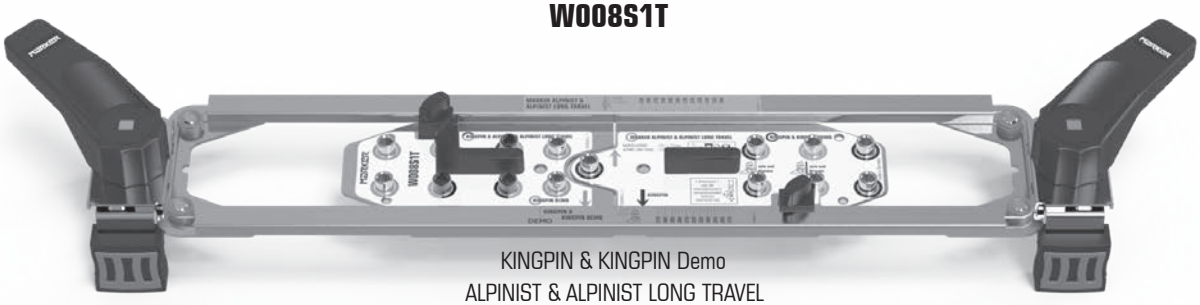
W009P1T (61 - 117 mm

W004Q1T (95 - 150 mm)



Jester Demo
FDT Adult
2016 (+newer) Griffon Demo & Squire Demo *(FDT Holes)

W008S1T



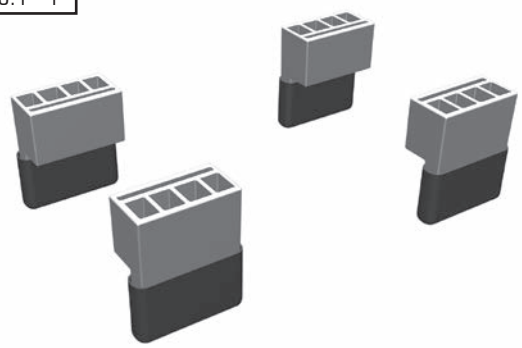
KINGPIN & KINGPIN Demo
ALPINIST & ALPINIST LONG TRAVEL

REMARK:
For wide skis up to 148 mm MARKER offers an adapter kit for installation tools. (3.1 - 1)
(mounting tool adapter wide skis 148 mm; Art. Nr.: W001J1A)

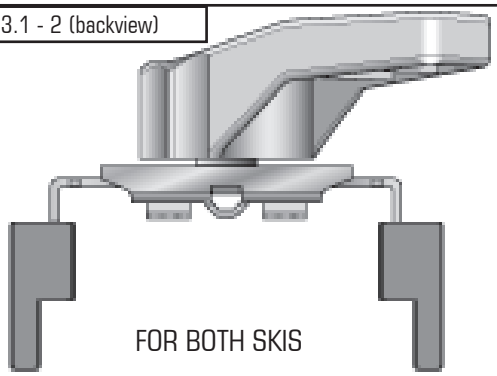
MOUNTING THE TOOL ADAPTER:

- Remove the four standard feet and replace them with the mounting tool adapters as indicated in the picture (3.1 - 2).

3.1 - 1

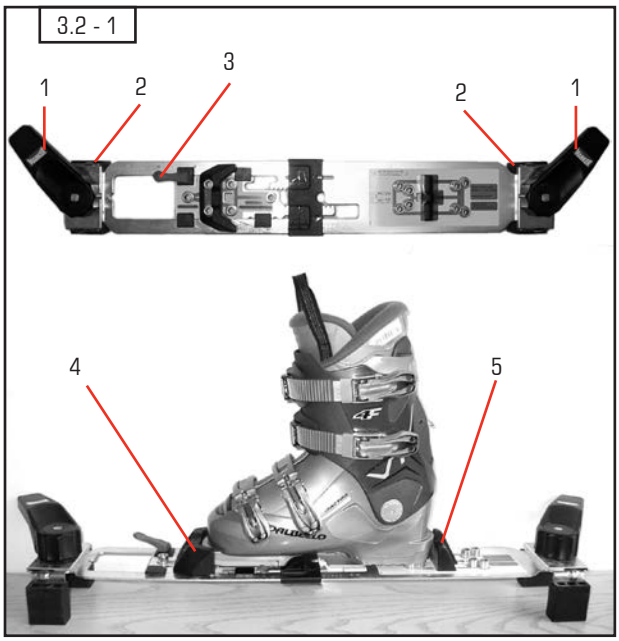


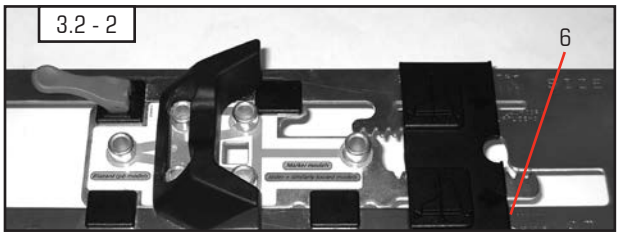
3.1 - 2 (backview)

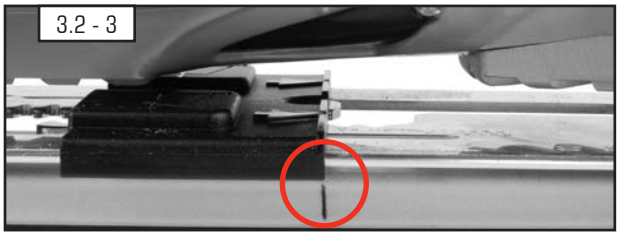


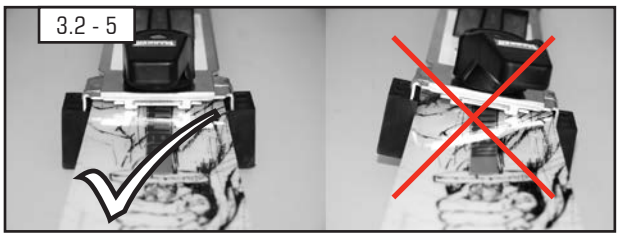
FOR BOTH SKIS

3.2 TOOLS AND THEIR APPLICATION:









ADJUSTMENT OF THE BINDING INSTALLATION TOOLS

IMPORTANT !
Use only original MARKER installation tools ! Make sure that the installation tool is correctly positioned on the ski for all adjustments !

REMARK:
The following installation steps are basic know - how and valid for all MARKER bindings.

ADJUSTING BOOT SOLE LENGTH

OPTIMIZED BY USING THE SKI BOOT: (3.2 - 1)

- Twist the grips (1) until the clamping jaws (2) are fully extended. Position the installation tool on the ski and lock it by releasing the grips.
- Open the locking lever (3) and place the boot heel against the heel guide (5).
- Slide the toe guide (4) until the boot is firmly against both toe (4) and heel guide (5).
- Check that boot's mid boot mark is aligned with mid boot mark on installation tool (6). (3.2 - 2)
- Close the locking lever (3).
- Remove the ski boot.

DETERMINE THE BINDING PLACEMENT ON THE SKI

IF MID - SOLE MARKS ON THE SKIS ARE USED:

- Place the installation tool on the ski and align the mid - sole mark on the ski with the mid - sole mark on the installation tool. (3.2 - 3)

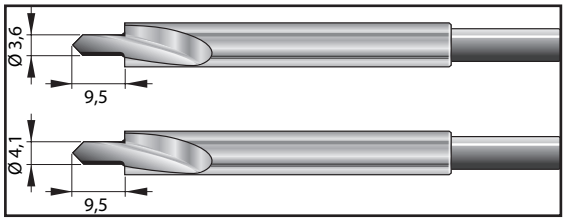
IF BOOT TOE MARKS ON THE SKIS ARE USED:

- Place the installation tool on the ski and align the toe guide on the tool with the boot toe mark on the ski. (3.2 - 4)

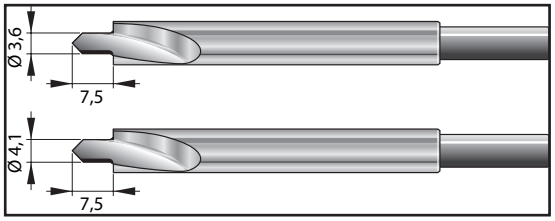
IMPORTANT !
Before drilling, check that the installation tool is flush and centered on the ski. (3.2 - 5) Take particular care with skis that have angled sidewalls, extreme sidecuts or external plates.

3.2 TOOLS AND THEIR APPLICATION:

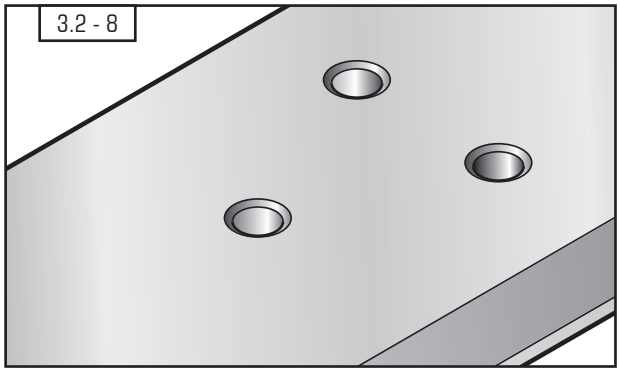
3.2 - 7 Drill bits for adult bindings



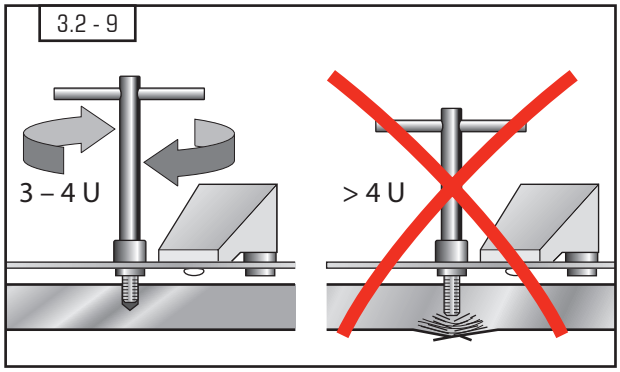
3.2 - 7 Drill bits for child & junior bindings



3.2 - 8



3.2 - 9



GENERAL INFORMATION INSTALLATION

DRILLING:

REMARK:
Use original MARKER drill bits for an optimal result (3.2 - 7).

- Drill all necessary mounting holes through the drill bushings on the installation tool.
  (Details: see installation of the individual bindings)
- After drilling is completed remove the installation tool from the ski.
- Always keep the drill bit vertically aligned with the drill bushings in the installation tool and drill to the countersunk depth. (3.2 - 8)
- Shavings and dust have to be removed from the surface of the ski and all holes.

TAPPING:

REMARK:
Holes should only be tapped if recommended by the ski manufacturer. Use an original MARKER tap. Use the installation tool for tapping.

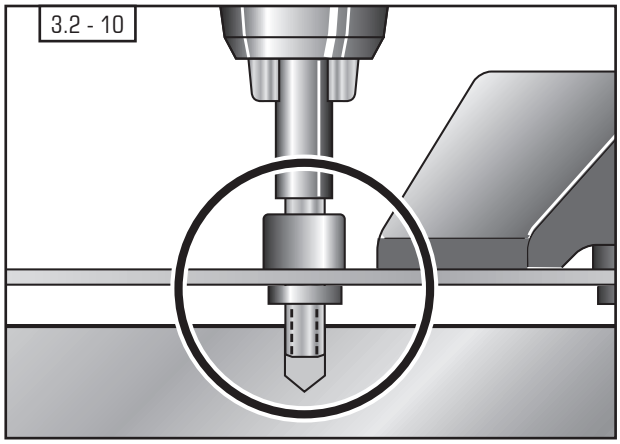
- Drill all mounting holes.
- Tap through the drill bushings of the installation tool.
- Apply slight downward pressure and turn the tap. As soon as the tap begins to cut, simple turning will thread the hole. Turn the tap three or four revolutions. (3.2 - 9)

IMPORTANT !
Be careful not to tap too deep !

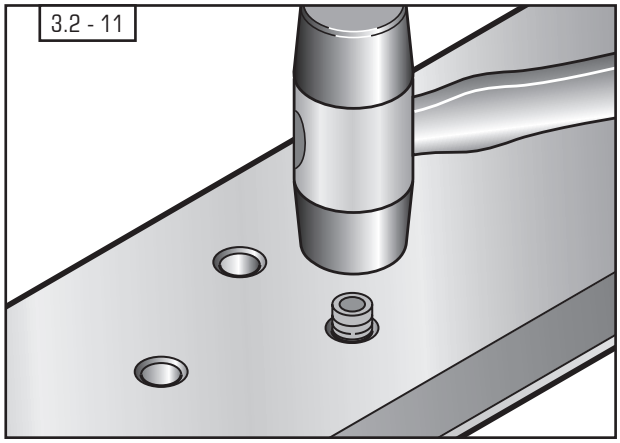
- Back the tap out of the hole. Shavings and dust have to be removed from the surface of the ski and all holes.

3.2 TOOLS AND THEIR APPLICATION:

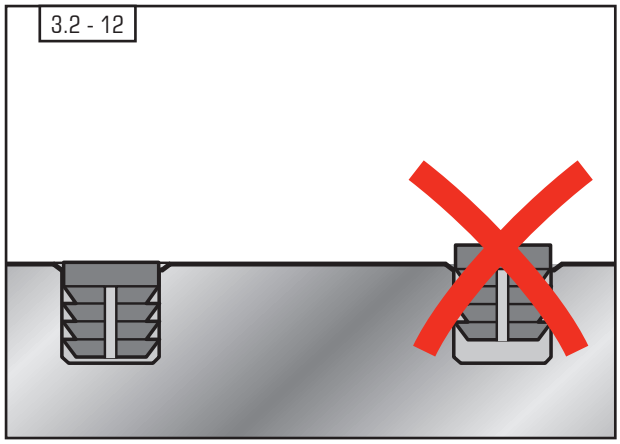
3.2 - 10



3.2 - 11



3.2 - 12



ATTACHMENT SCREWS:

IMPORTANT !
Use only original MARKER attachment screws.

- All screws must be firmly seated and not stripped.
- If a power driver is used, keep the torque settings on the clutch as low as possible to help prevent stripping of the screws.
- Final tightening of the screws must always be done by hand.
- The screw head should be flush with the binding and the binding should be firmly attached to the ski.
- Check that each screw is firmly seated.

REMARK:
For supply or to check for the correct screws use the SCREW CHARTS ➔ **16.1**

STRIPPED SCREWS:

Occasionally a screw will be over - torqued or the hole stripped.
Repair using:
MARKER hollow drill bit (Part No. 2651)
MARKER helicoil insert (Part No. 2653)

- Remove all binding parts from the ski.
- Place the proper installation tool over the stripped holes to use the appropriate drill bushing to repair the stripped screw.
- Slowly drill through the bushing until the hollow drill bit step stops on the top of the bushing (3.2 - 10).
- Remove the installation tool.
- Shavings and dust have to be removed from the surface of the ski and all holes. Strike the base with your hand to remove any shavings.
- Using a hammer, plug the hole with the MARKER plastic insert (3.2 - 11).

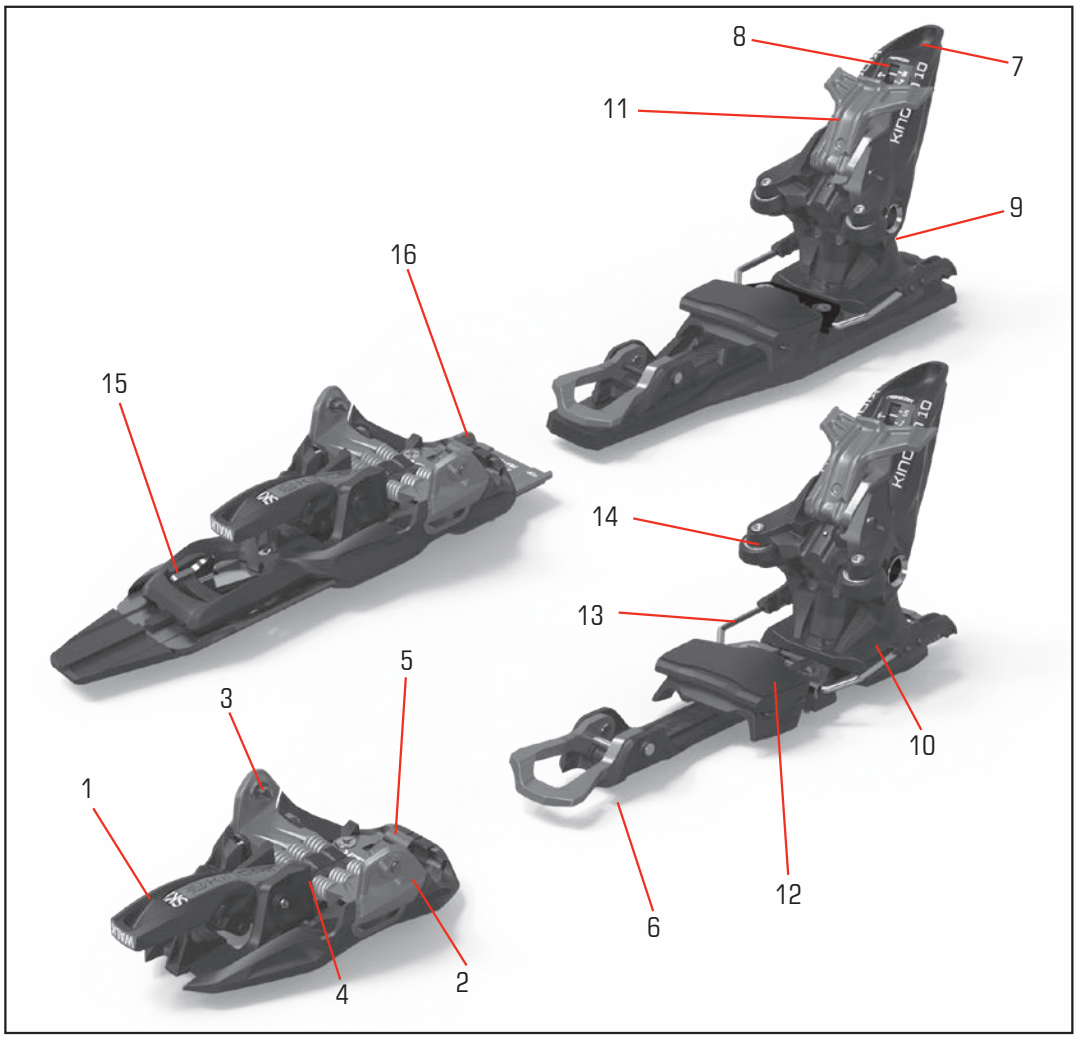
CAUTION !
Make sure that the plastic insert is flush with the top - sheet of the ski (3.2 - 12) !

- Re - install the binding.

CAUTION !
Insert the binding screws and tighten only by hand !

NOTICE : 2017/2018 Kingpin binding recall. For additional information vist www.markerusa.com

4.1 MARKER KINGPIN BINDING COMPONENTS



MARKER KINGPIN & KINGPIN DEMO BINDING COMPONENTS:

1 - Opening lever toe
2 - Soleholder toe
3 - Pin-Tech toe retaining pins
4 - Step-in aids toe
5 - Crampon holder
6 - Change-over lever for ascent mode
7 - Opening lever heel
8 - Indicator scale heel vertical release
9 - Indicator scale twist release
10 - Heel housing
11 - Hiking aids 1 and 2
12 - Brake pedal
13 - Brake arm
14 - XXL-Power transmitter
15 - Demo length adjustment lever
16 - Demo front plate with length scale

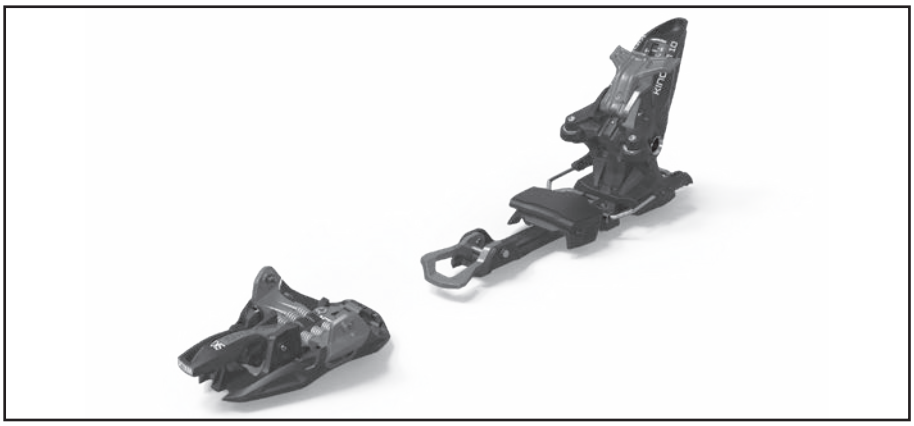
CAUTION !
MARKER KINGPIN and KINGPIN DEMO ski bindings are compatible with ski boots in accordance with DIN ISO 9523 with tech inserts to the Dynafit specification of 29.09.2009. In addition, some boot manufacturers have developed and manufactured their own inserts for their touring ski boots which should be suitable for Pin-Tech bindings. However, Marker cannot guarantee that these inserts will function correctly.

Boots that do not support the settings described in this Marker technical manual (chapter ➔ **12.1 - 12.3**) should not be used with Marker Pin-Tech bindings !

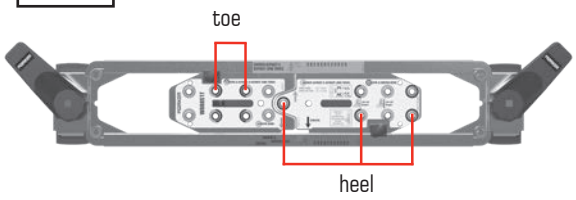
NOTE:
K2, Dalbello, Tecnica, Nordica boots that have Alpine Boot Sole dimensions and tech inserts are compatible with all Marker Kingpin bindings.

NOTE:
Marker's DIN Adapter must be used on specific AT Boots that do not comply with ISO 9523 boot sole dimensions. ➔ **4.9**

4.2 INSTALLATION OF MARKER KINGPIN BINDINGS



4.2 - 1



DRILLING THE ATTACHMENT HOLES:

IMPORTANT !

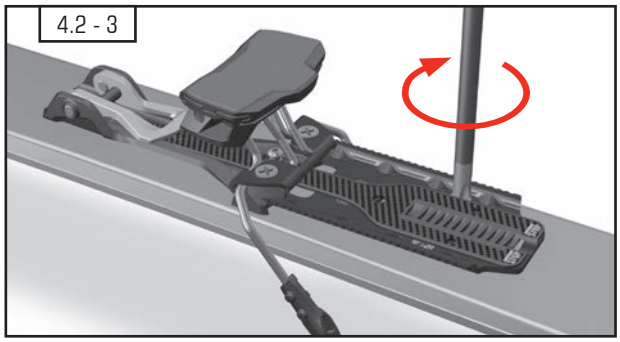
sole length	tool length settings
255 - 269 mm 376 - 390 mm	270 mm 375 mm

4.2 - 2

- Place the MARKER KINGPIN & ALPINIST installation tool W008S1T in the correct position on the ski. (4.2 - 1)
- Drill 4 holes for the toe through the front black drill bushings.
- Drill 5 holes for the heel plate through the rear black marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

4.2 - 3



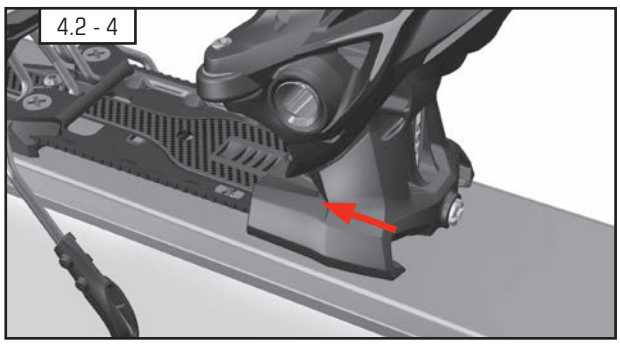
INSTALLING THE TOE:

- Install the toe with the pre - installed screws in the front holes.
- Tighten the screws lightly by hand, do not tighten them firmly. (4.2 - 2)

INSTALLING THE HEEL PLATE:

- Install the heel plate with the pre - installed screws in the rear holes.
- Tighten the screws lightly, then firmly. (4.2 - 3)

4.2 - 4

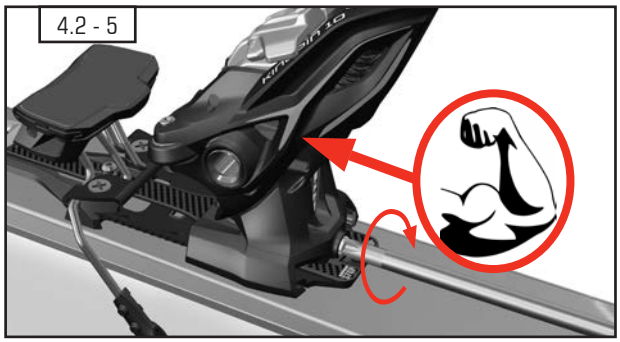


INSTALLING THE HEEL:

- Slide the heel from the rear of the plate forward until it stops. (4.2 - 4)

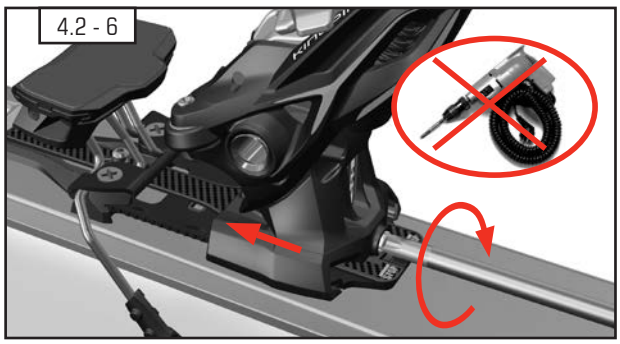
4.2 INSTALLATION OF MARKER KINGPIN BINDINGS

4.2 - 5



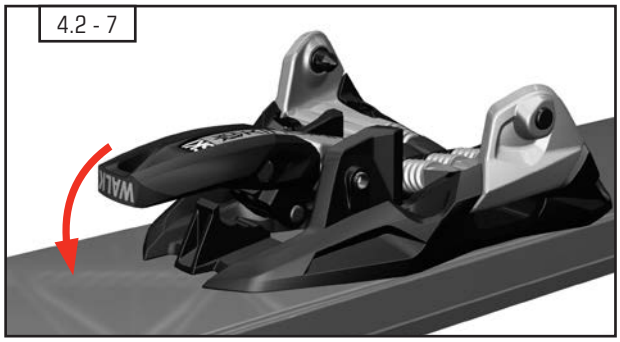
- With strong pressure, screw the heel forward onto the plate by turning the forward pressure adjustment screw. (4.2 - 5)

4.2 - 6



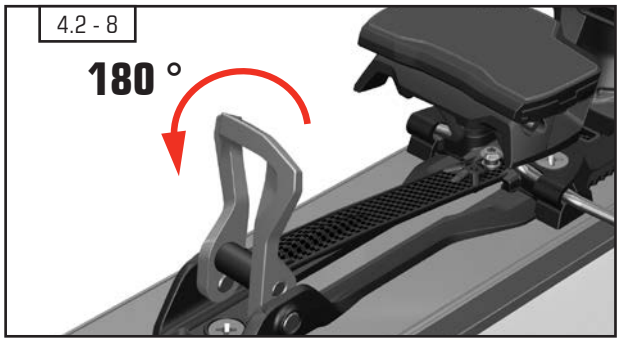
CAUTION !
Screw the heel onto the heel plate by hand !
(4.2 - 6)

4.2 - 7



- Open the toe by pressing down the toe opening lever. (4.2 - 7)

4.2 - 8

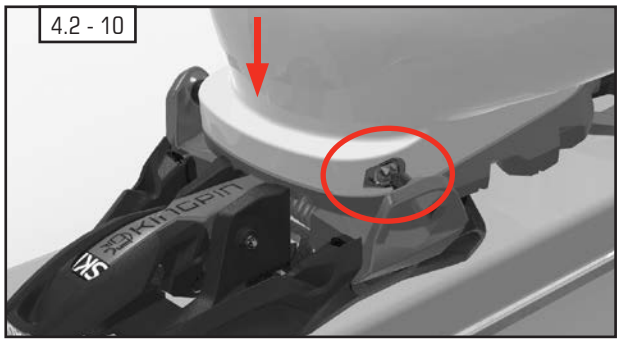


- Switch the change-over lever 180° forward. (4.2 - 8)

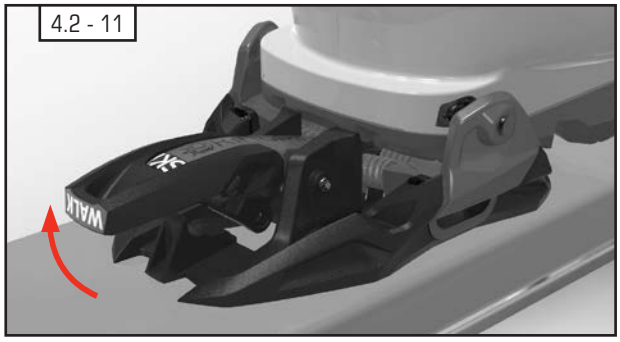
4.2 - 9

- Open the heel. (4.2 - 9)

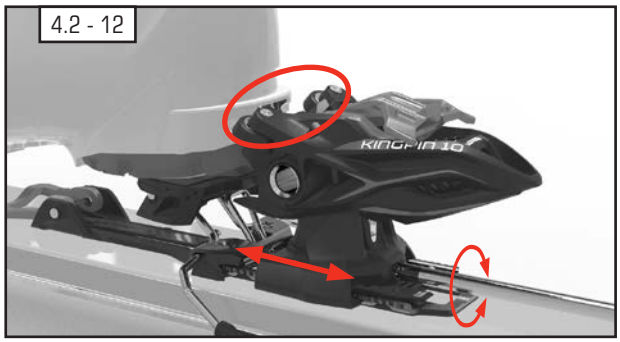
4.2 INSTALLATION OF MARKER KINGPIN BINDINGS



- Position the tip of the ski boot between the Pin-Tech retaining pins on the toe. Then press the tip of the boot down and step into the toe. (4.2 - 10)

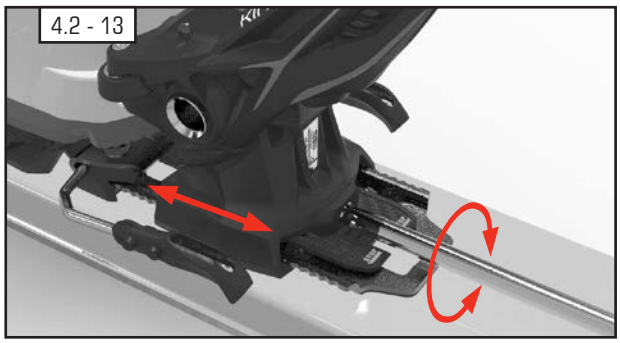


- The pins must be locked fully into position in the insert, the toe opening lever has to snap to the "Ski" position. (4.2 - 11)



POSITIONING THE HEEL:

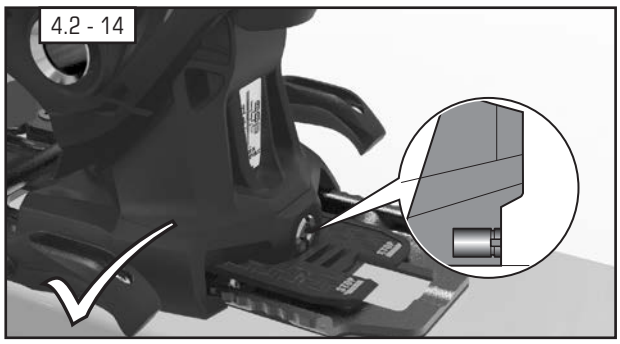
- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right. (4.2 - 12)



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.

- Check if the forward pressure adjustment screw is flush with the back of the heel housing. If this adjustment is incorrect, turn the screw until it is flush with the back of the housing. (4.2 - 13 and 4.2 - 14)

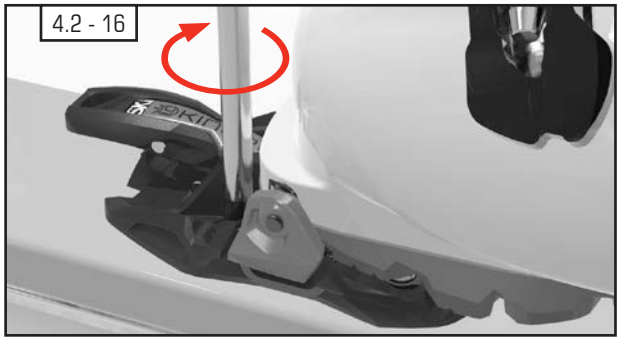


- Remove the ski boot, then re - insert it into the binding and recheck the adjustment.

4.2 INSTALLATION OF MARKER KINGPIN BINDINGS

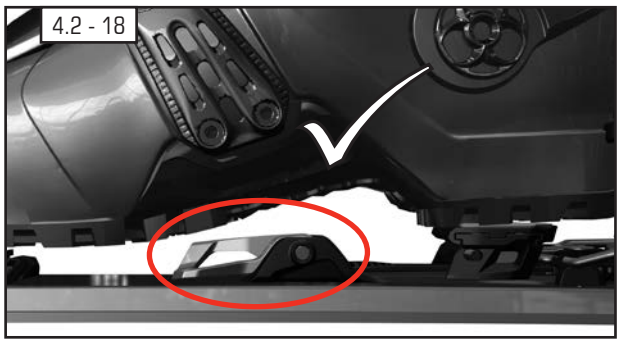
IMPORTANT SAFETY ADVICE !

Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length backward ! (4.2 - 15)



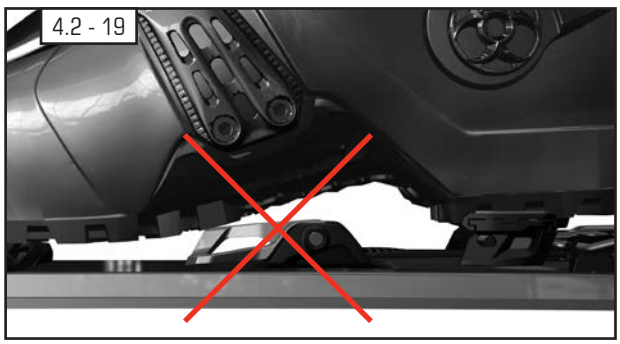
- With the boot in the closed binding tighten the two front toe screws firmly. (4.2 - 16)

- Remove the ski boot and tighten the two rear toe screws firmly. (4.2 - 17)



CAUTION !

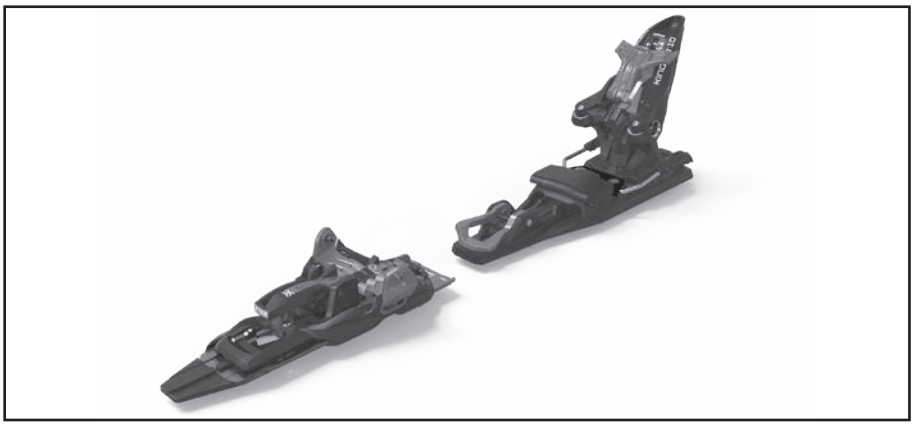
After altering the binding, visually inspect the spacing between the boot sole and the change-over lever: the sole may not touch the lever after stepping in ! (4.2 - 18 + 4.2 - 19)



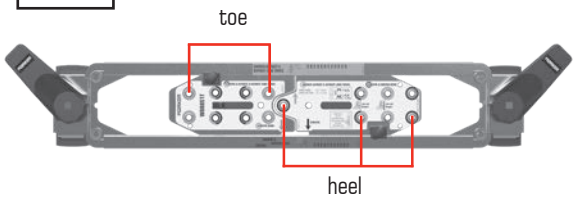
INFORMATION FOR BINDING ADJUSTMENT:

see chapter ➔ **4.4**

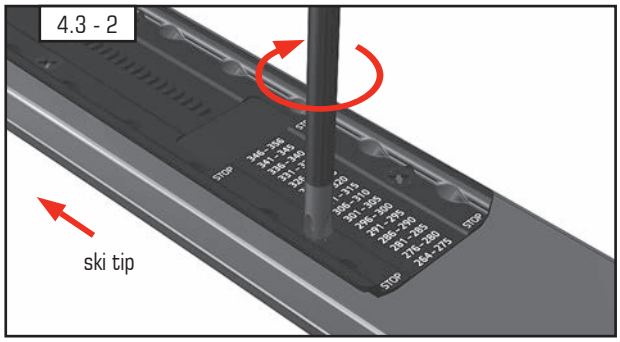
4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS



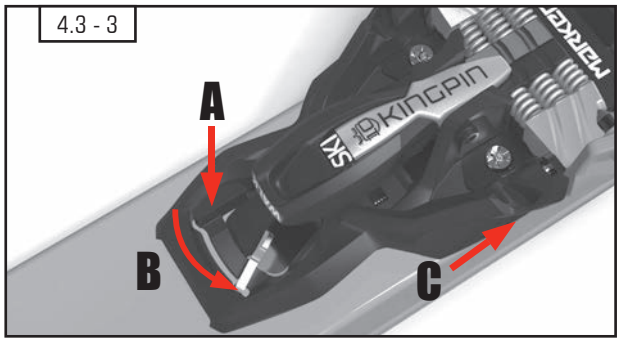
4.3 - 1



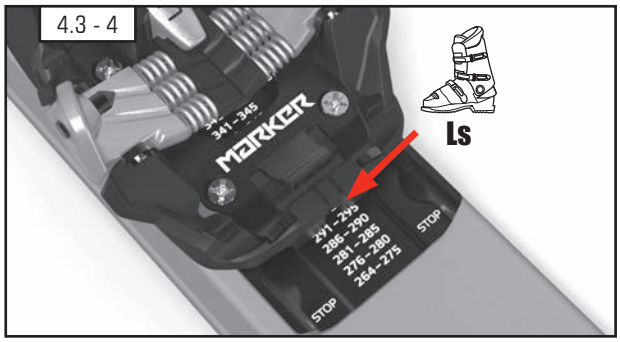
4.3 - 2



4.3 - 3

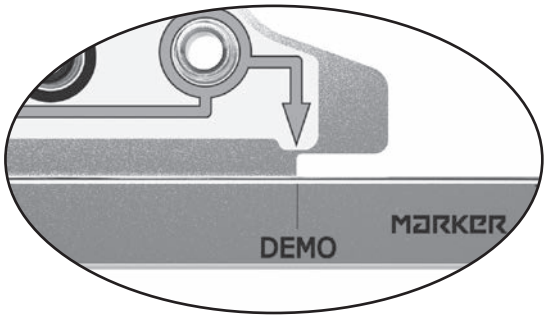


4.3 - 4



DRILLING THE ATTACHMENT HOLES:

- Adjusting the installation tool: the arrow "Demo" on the front drill plate must be aligned with the marking "Demo" on the frame.



- Place the MARKER KINGPIN & ALPINIST installation tool W008S1T in the correct position on the ski. (4.3 - 1)
- Drill 4 holes for the toe through the front silver drill bushings.
- Drill 5 holes for the heel plate through the rear black marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE TOE PLATE:

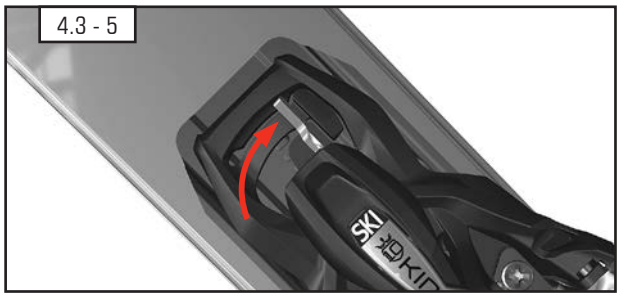
- Place the toe plate onto the ski.
- Insert the enclosed screws. Tighten the screws lightly, then firmly. (4.3 - 2)

INSTALLING THE TOE:

- Press down the lever lock and open the lever. Slide the toe with lever open from the front of the plate backward. (4.3 - 3)
- Slide the toe backward to the correct sole length in accordance with the sole length scale. (4.3 - 4)

4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS

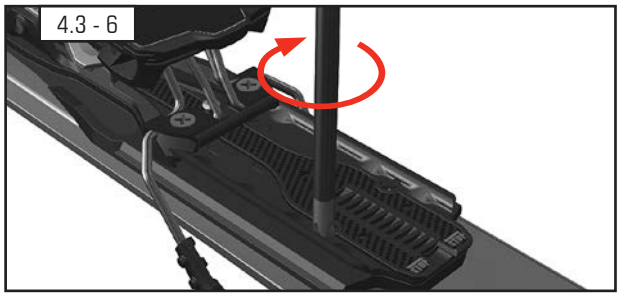
4.3 - 5



- Close the locking lever. (4.3 - 5)

CAUTION !
Ensure that the lever is engaged properly !

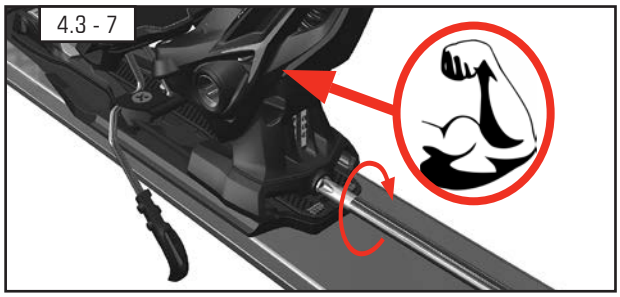
4.3 - 6



INSTALLING THE HEEL PLATE:

- Install the heel plate with the pre - installed screws in the rear holes.
- Tighten the screws lightly, then firmly. (4.3 - 6)

4.3 - 7



INSTALLING THE HEEL:

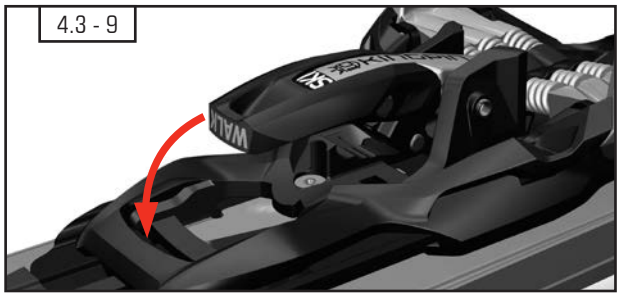
- Slide the heel from the rear of the plate forward until it stops. (4.3 - 7)

4.3 - 8

- With strong pressure, screw the heel forward onto the plate by turning the forward pressure adjustment screw. (4.3 - 8)

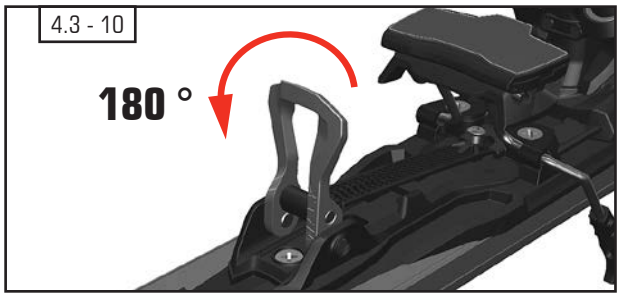
CAUTION !
Screw the heel onto the heel plate by hand !

4.3 - 9



- Open the toe by pressing down the toe opening lever. (4.3 - 9)

4.3 - 10



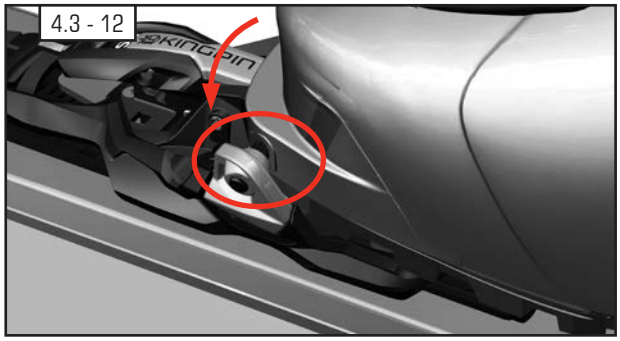
- Switch the change-over lever 180° forward. (4.3 - 10)

4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS

4.3 - 11

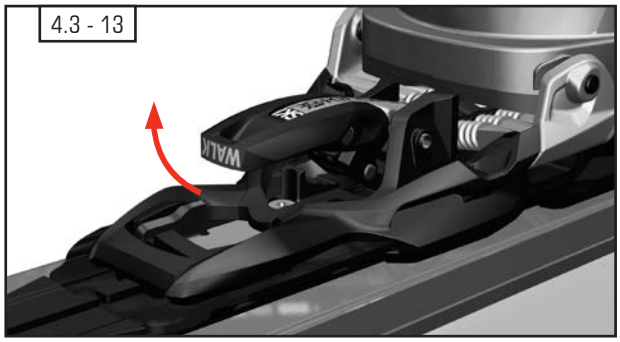
- Open the heel. (4.3 - 11)

4.3 - 12



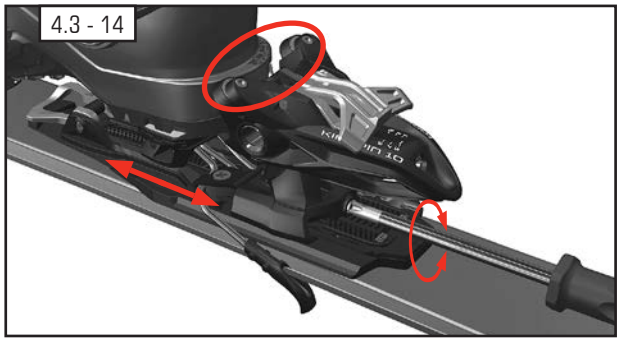
- Position the tip of the ski boot between the Pin-Tech retaining pins on the toe. Then press the tip of the boot down and step into the toe. (4.3 - 12)

4.3 - 13



- The pins must be locked fully into position in the insert, the toe opening lever has to snap to the "Ski" position. (4.3 - 13)

4.3 - 14



POSITIONING THE HEEL:

- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right. (4.3 - 14)

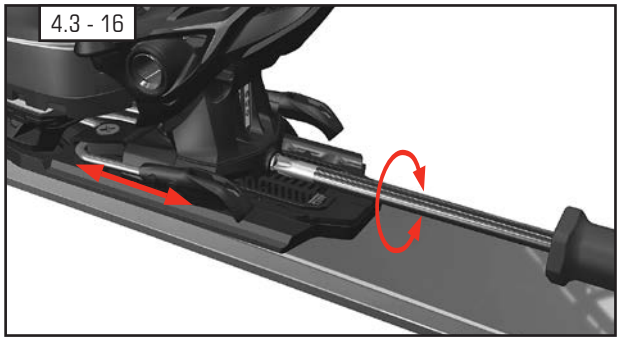
4.3 - 15

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it. (4.3 - 15)

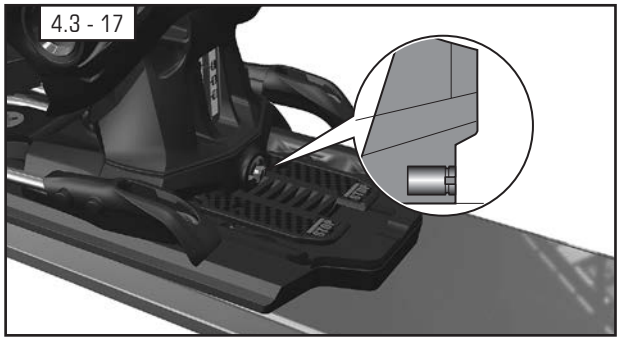
4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS

4.3 - 16



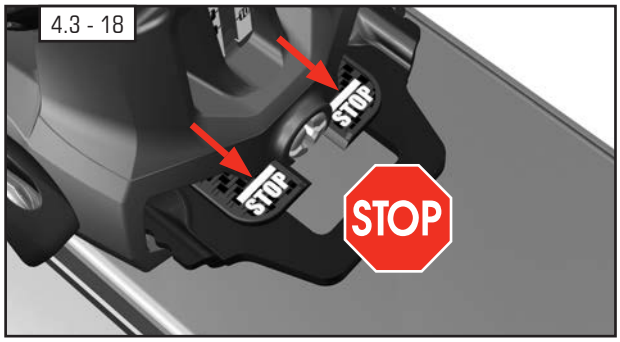
- Correct forward pressure:
  Check if the forward pressure adjustment screw is flush with the back of the heel housing. If this adjustment is incorrect, turn the screw until it is flush with the back of the housing. (4.3 - 16 and 4.3 - 17)

4.3 - 17



- Remove the ski boot, then re - insert it into the binding and recheck the adjustment.

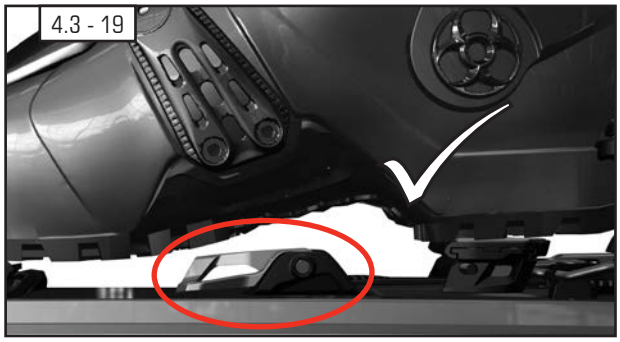
4.3 - 18



IMPORTANT SAFETY ADVICE !

Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length backward ! (4.3 - 18)

4.3 - 19



CAUTION !

After altering the binding, visually inspect the spacing between the boot sole and the change-over lever: the sole may not touch the lever after stepping in ! (4.3 - 19 and 4.3 - 20)

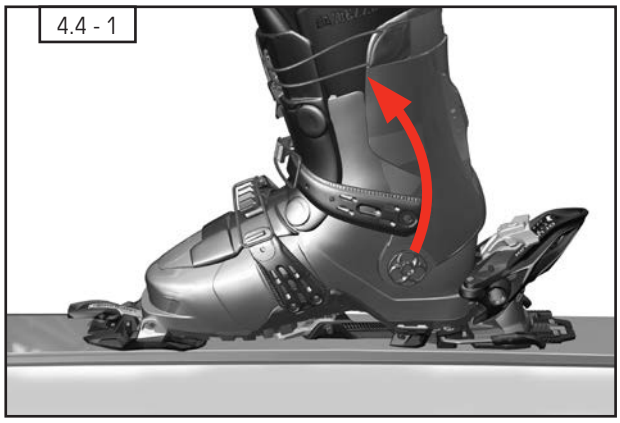
4.3 - 20

INFORMATION FOR BINDING ADJUSTMENT:

see chapter ➔ **4.4**

4.4 MARKER KINGPIN - INFORMATION FOR BINDING ADJUSTMENT

4.4 - 1



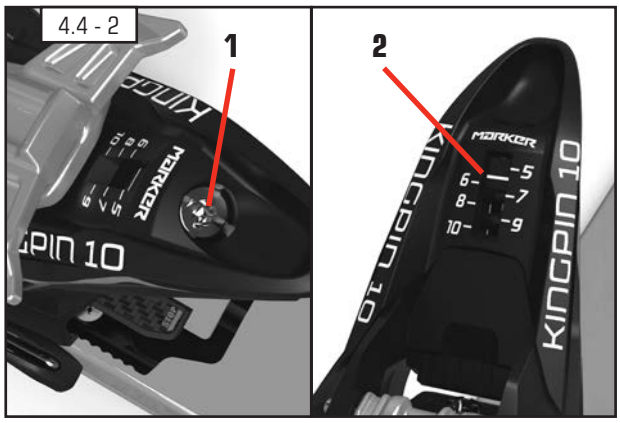
BINDING RELEASE FORCE ADJUSTMENT SCREWS AND RELEASE VALUE INDICATOR SCALES

REMARK:
MARKER recommends adjustment with a Pozidriv® 3 screwdriver.

ADJUSTMENT SCREWS AND INDICATOR SCALES ON THE HEEL

VERTICAL RELEASE (4.4 - 1)

4.4 - 2



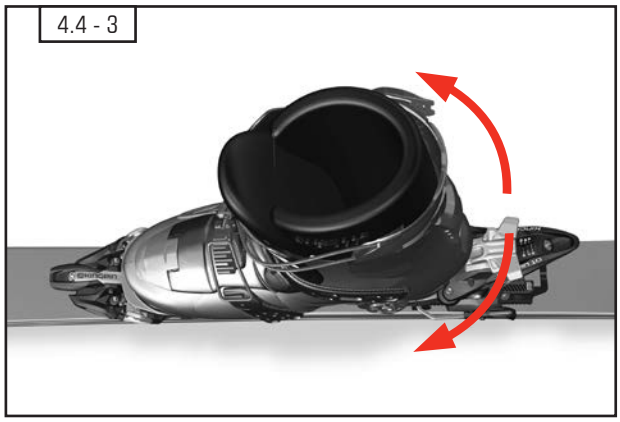
- Turn the adjustment screw (1) until the indicator line aligns with the selected release setting on the indicator scale (2). (4.4 - 2)

LATERAL RELEASE (4.4 - 3)

REMARK:
To adjust the lateral release value fold down both hiking aids.

- Turn the adjustment screw (3) until the indicator line aligns with the selected release setting on the indicator scale (4). (4.4 - 4)

4.4 - 3



FUNCTION TEST AND SERVICE

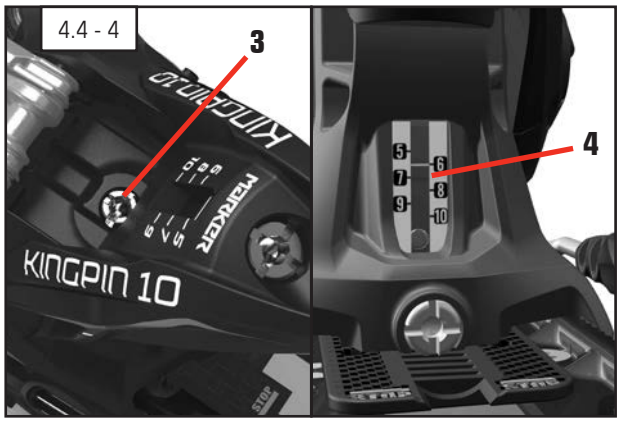
KINGPIN bindings can be tested without restrictions on and with standard setting and calibration equipment.

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

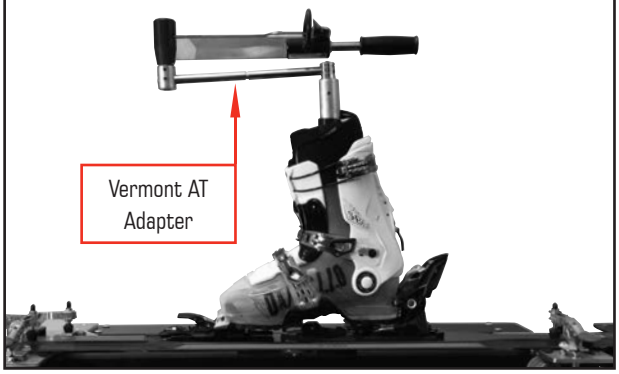
4.4 - 4



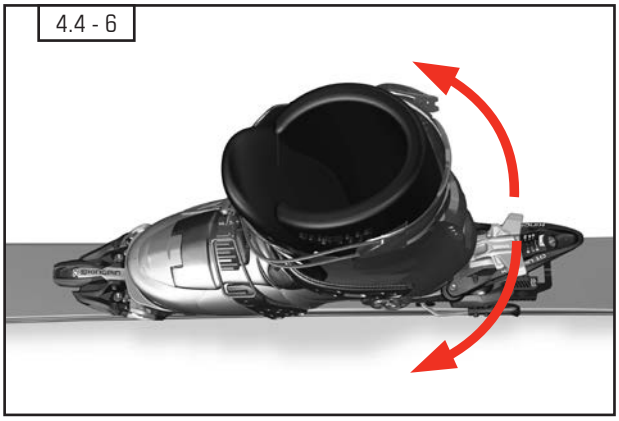
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

4.4 MARKER KINGPIN - INFORMATION FOR BINDING ADJUSTMENT

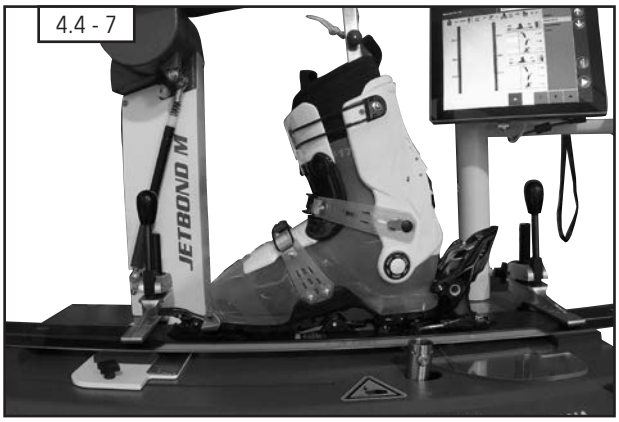
4.4 - 5



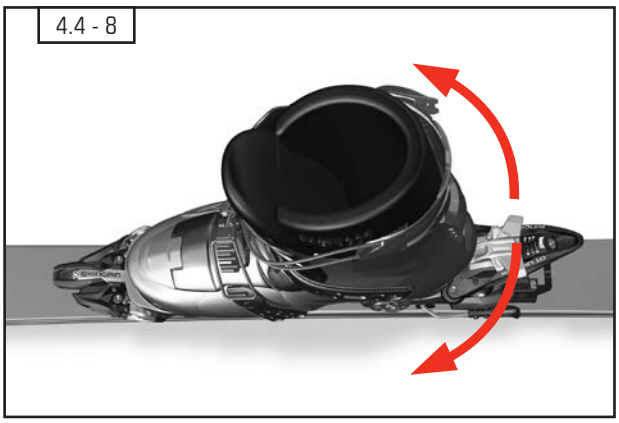
4.4 - 6



4.4 - 7



4.4 - 8



FUNCTION TEST AND SERVICE

KINGPIN bindings can be tested on calibration equipment with standard settings.

For all MARKER KINGPIN models, a distinction must be made between calibration equipment that work purely based on torque (e.g. Vermont Calibrator,, Montana, etc.) or calibration equipment that initiates a trigger via a lever arm to which force is applied (e.g. Wintersteiger, Sportech, etc.).

VERMONT CALIBRATOR - TORQUE BASED

Twist Function Testing:

The Vermont AT Adapter is needed for proper twist function testing out of the heel (available through Vermont Ski Safety). (4.4 - 5)

- The procedure is then identical to the procedure for all other Marker bindings. (4.4 - 6)

Vertical Release Function Testing:

- The procedure is then identical to the procedure for all other Marker bindings.

MONTANA AND OTHER TORQUE BASED MACHINES

Twist Function Testing:

Set up machine for a Children test. All heel straps, posts and automatic heel engagement systems must be away allowing the heel to twist without obstruction. (4.4 - 7)

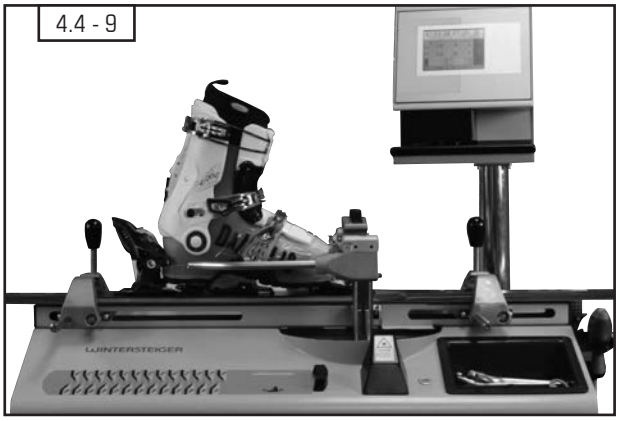
- The procedure is then identical to the procedure for all other Marker bindings. (4.4 - 8)

Vertical Release Function Testing:

- The procedure is then identical to the procedure for all other Marker bindings.

4.4 MARKER KINGPIN - INFORMATION FOR BINDING ADJUSTMENT

4.4 - 9



WINTERSTEIGER, SPORTECH

Machines that initiate a trigger via a lever arm to which force is applied.

Twist Release Function Testing:

- Place ski into machine with boot toe/ski tip in opposite direction as normal setup. (Lever arms will push heel laterally.) (4.4 - 9)

- Align the center of the binding pins 7cm to the left of the laser line (4cm from the 0 alignment mark). (4.4 - 10)

- Adjust lever arms to contact heel on smooth plastic and clear from brake contact. (4.4 - 10)

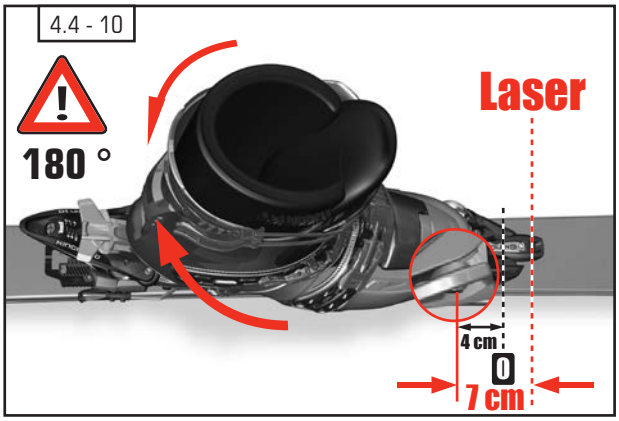
- The procedure is then identical to the procedure for all other Marker bindings. (4.4 - 10)

Vertical Release Function Testing:

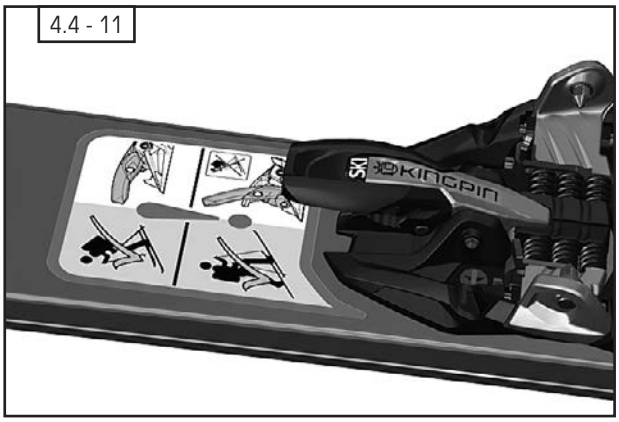
- The procedure is then identical to the procedure for all other Marker bindings.

REMARK:
If you have any further questions on checking the binding with calibration equipment, please contact the Marker sales department or the manufacturer of the calibration equipment.

4.4 - 10



4.4 - 11



REMARK:
When mounting the binding make sure that you fit the enclosed stickers to the ski. (4.4 - 11)

4.4 - 12

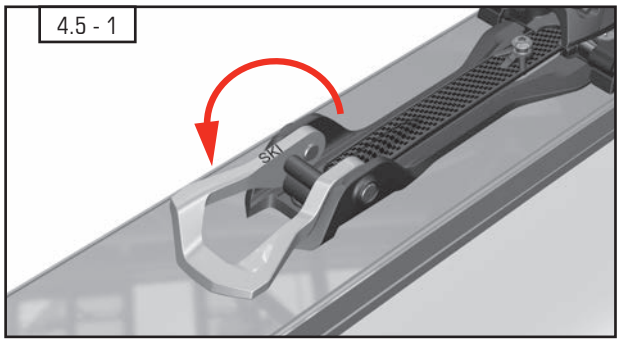
REMARK:

BINDING ADJUSTMENT KINGPIN DEMO:

see chapter ➔ **4.4**

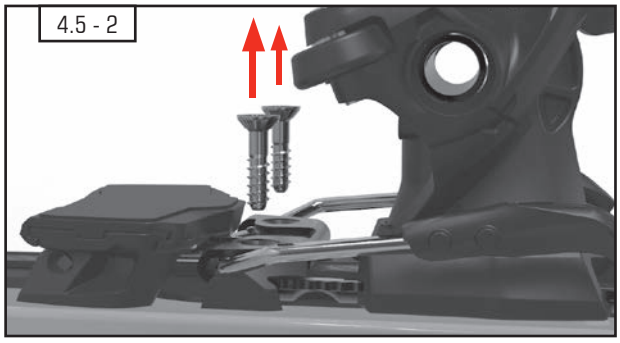
REMARK:
The enclosed info booklet must be handed over to the customer. (4.4 - 12)

4.5 MARKER KINGPIN REPLACING BRAKES / INSTALLATION OF GLIDING AFD



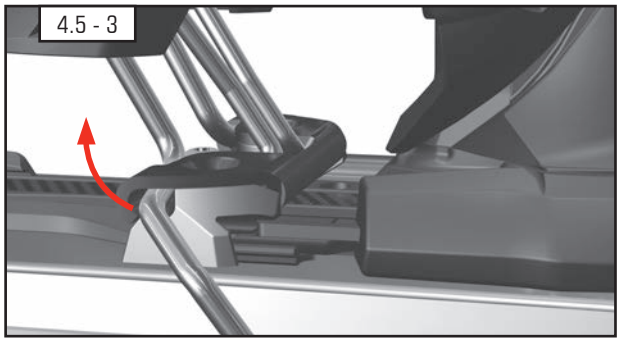
DEMOUNT THE SKI BRAKE:

- Switch the change-over lever 180° forward to the "Ski" position. (4.5 - 1)



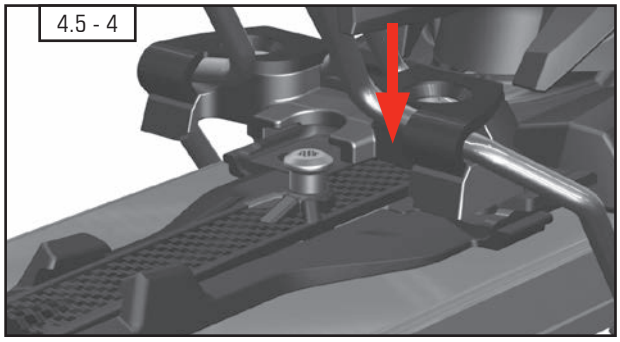
- Remove the attachment screws of the ski brake. (4.5 - 2)

- Pull the ski brake slightly forward and upward to remove. (4.5 - 3)

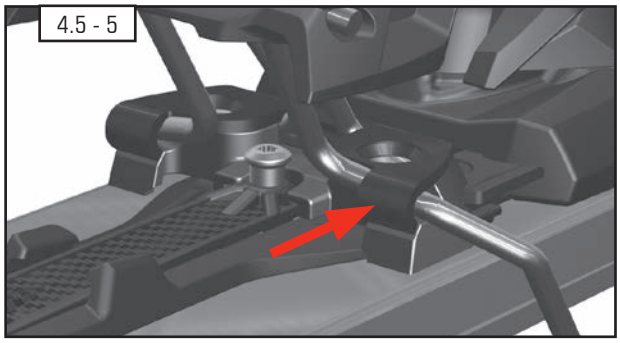


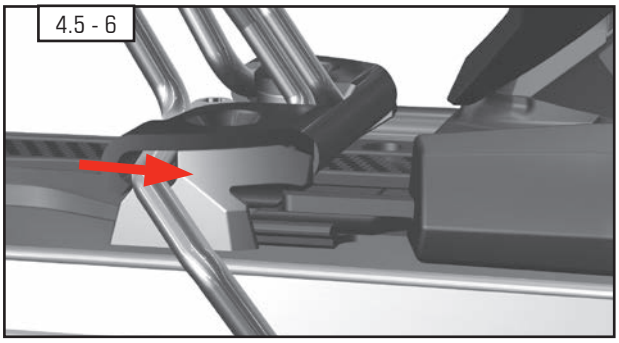
INSTALL THE KINGPIN BRAKE:

- Mount the brake from top to the heel plate. (4.5 - 4)



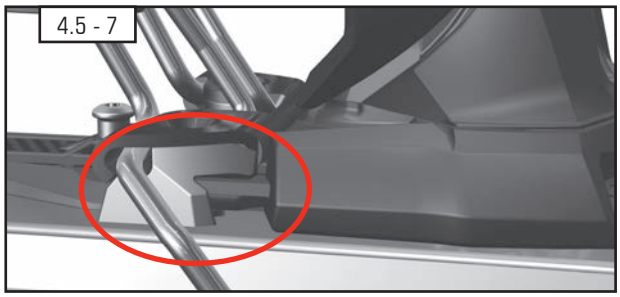
- Slide the brake backward onto the heel plate. (4.5 - 5 and 4.5 - 6)





4.5 MARKER KINGPIN REPLACING BRAKES / INSTALLATION OF GLIDING AFD

4.5 - 7

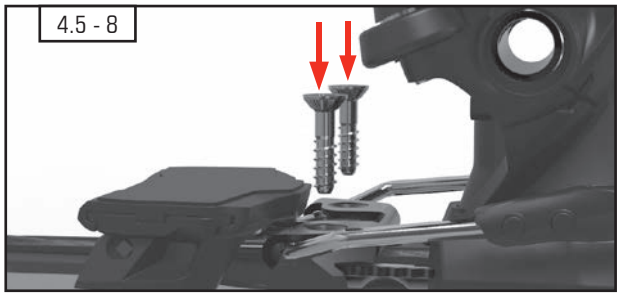


CAUTION !

Sliding the ski brake backward, make sure that the hooks of the brake base latch beneath the metal base plate and the plastic base plate of the heel on both sides ! (4.5 - 7)

- Install the attachment screws and tighten them by hand. (4.5 - 8)

4.5 - 8

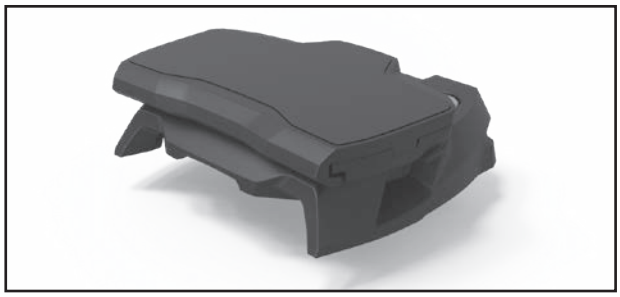


INSTALLATION OF THE KINGPIN GLIDING AFD:

The brakes of the KINGPIN bindings can be replaced by the AFD gliding platform.

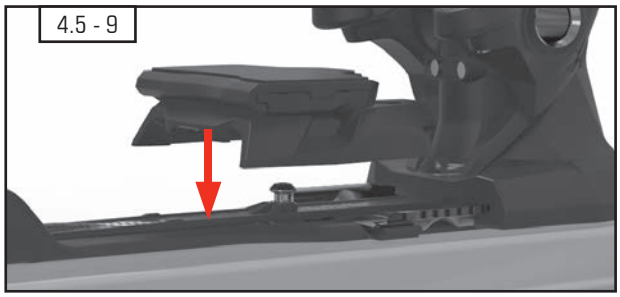
CAUTION !

When using the binding MARKER KINGPIN without brake a safety leash must be installed !



- Remove the brake as described under 4.5 - 1, 4.5 - 2 and 4.5 - 3.
- Mount the gliding AFD from top to the heel plate, ensure that the screw points align with the drilled holes. (4.5 - 9)

4.5 - 9

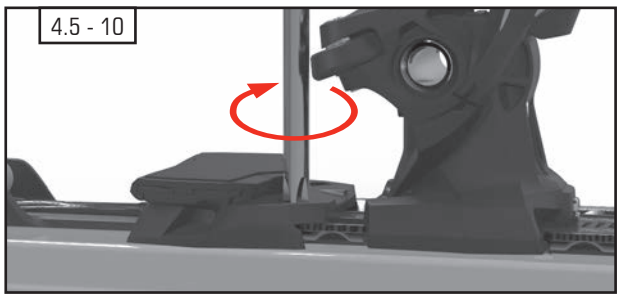


- Install the attachment screws and tighten them by hand. (4.5 - 10)

IMPORTANT SAFETY ADVICE !

The MARKER KINGPIN must be equipped with ski brake and / or safety leash !
In case of disregard the ski can speed downhill after a release and hazard other persons.

4.5 - 10



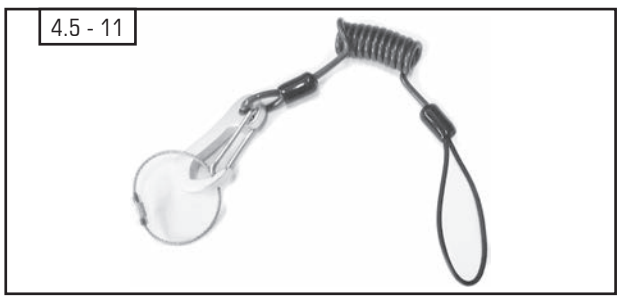
REMARK:

MARKER offers a special PINTECH safety leash. (4.5 - 11)
Art. #: L002S1A

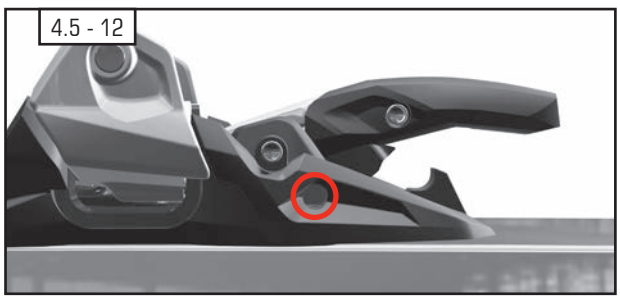
ATTACHING THE SAFETY LEASH:

- Pass the leash through the hole on the right side of the toe and secure the leash with a cow-hitch. (4.5 - 12)

4.5 - 11



4.5 - 12



4.6 MARKER KINGPIN - INFORMATION FOR THE SKIER

In addition to the system explanations of page 144 / 145, the following instructions must be given to the intended user of a MARKER KINGPIN binding:

STEP - IN:

- Clear snow, ice and dirt from the sole of the ski boot and the Pin-Tech inserts before stepping into the binding.
- If the heel sole holder is closed, open it by pressing the opening lever with the ski pole tip, boot sole, ski tail or hand.
- If the toe is closed, open it by pressing down the toe opening lever.
- Position the tip of the ski boot on the toe's step-in aids and between the Pin-Tech retaining pins on the toe.
- Then press the tip of the boot down and step into the toe until the pins are locked fully into position in the insert.
- Move the locked boot back and forth several times to ensure that boot and binding are securely connected.
- Close the binding by stepping straight down into the heel.

STEP - OUT:

Variant 1:

- Press down the opening lever on the toe with a ski pole, ski, ski boot or by hand.
- Lift the tip of the ski boot slightly and rotate the boot sideways out of the binding. Before you can step in again, the heel must be opened.

Variant 2:

- Press down the opening lever on the heel with a ski pole, ski, ski boot or by hand.
- Lift the heel of the ski boot slightly and press down the opening lever on the toe with a ski pole, ski or your hand.

OPENING THE BINDING AFTER A FALL OR ACCIDENT:

- Press down the opening levers (heel and / or toe) with a ski pole or by hand.

SYSTEM EXPLANATION FOR THE SKIER:

- Explain the boot - to - binding adjustment.
- Show where the release adjustment screws are and explain the adjustment at the visual indicators on the ski bindings and how they correspond to the recorded numbers on the workshop form. The skier should know his own DIN settings and / or skier code.
- Point out the left and the right ski indicators.
- If any system components are worn out of standard or otherwise unsuitable for continued use, the skier must be clearly informed of the problem and warned that continued use may significantly increase his or her risk of injury.
- Advise that if any problem develops with any part of the function unit ski / ski binding / ski boot it should be brought to a MARKER authorized retailer for inspection and service.

RECEIPT OF IN - BOX INSTRUCTIONS:

- Whenever a new ski binding is delivered to the skier she or he should receive the in - box instructions and the warranty information.
- The enclosed info booklet must be handed over to the customer.

MAINTENANCE:

- Explain to the skier that the ski binding should be kept clean and free of dirt, rust, salt or other contaminants.
- Recommend that the complete function unit ski / ski binding / ski boot has to be brought to a MARKER authorized retailer for inspection prior to the beginning of each ski season.

SKIER SIGNATURE

- The skier must read, understand and agree to the conditions specified in the workshop form and / or any release agreement.
- Make sure that the skier signs the workshop form and /or the release agreement. If the skier is a minor, this document should be signed by a parent or a legal guardian.
- A copy of the signed documents has to be handed to the customer.

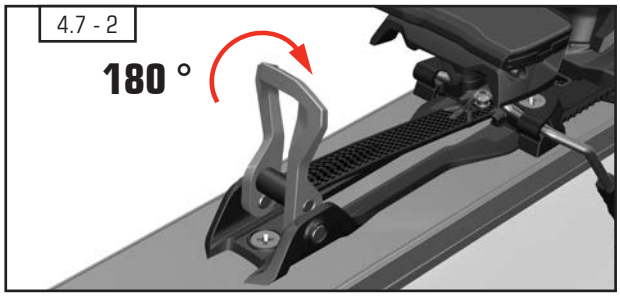
IMPORTANT !

The skier should understand that there are inherent and other risks in the sport of skiing. Explain that the ski binding will not release under all circumstances nor is it possible to predict every situation in which it will release and is, therefore, no guarantee of his or her safety.

4.7 MARKER KINGPIN - INFORMATION FOR THE SKIER

4.7 - 1

4.7 - 2



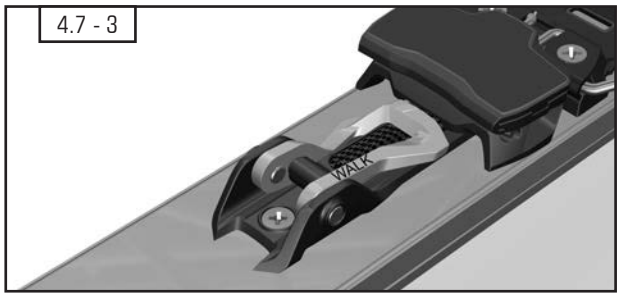
In addition to the system explanations of page 144 / 145, the following instructions must be given to the intended user of a MARKER KINGPIN binding:

CHANGE - OVER FROM SKIING TO HIKING POSITION:

- An adjusting lever between the toe and heel can be used to set two different positions (skiing - mode / walking - mode).

- There is also another lever at the front end of the toe (C). that can also be used to choose between the positions for descent (SKI) and ascent (WALK). To switch from the descent position to ascent mode in order to walk with the binding, move the adjusting lever (4.7 - 1, 4.7 - 2 and 4.7 - 3) backwards by 180° and pull the toe opening lever upwards (4.7 - 4). The lever noticeably clicks into a catch and should be pushed as far as possible.

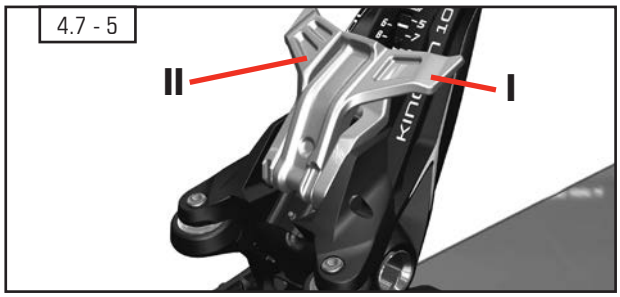
4.7 - 3



4.7 - 4

- When taking the first step with the binding in walking mode, the brake is automatically applied and the heel clicks, thus getting the hiking aids ready for use. The ski mountaineer is now in the 0° walking position.

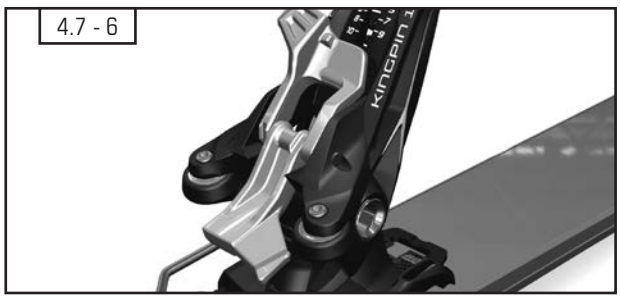
4.7 - 5



USING THE HIKING AID

- In hiking mode, you can use two hiking aids with different angles. (4.7 - 5)

4.7 - 6



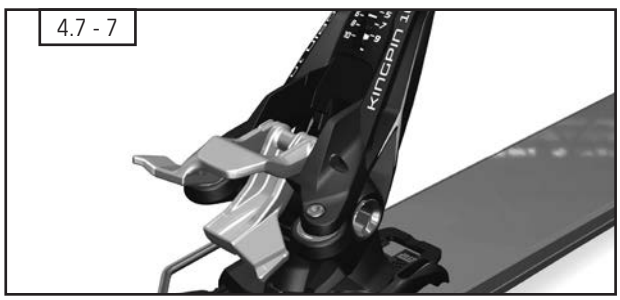
HIKING AID LOW POSITION:

- To use this position, fold down hiking aid 1 with the pole disc or by brushing along the heel opening lever with the tip of the pole. (4.7 - 6)

HIKING AID HIGH POSITION:

- To use this position, fold down the hiking aid 2 with the pole disc or by brushing along the heel opening lever with the tip of the pole . (4.7 - 7)

4.7 - 7

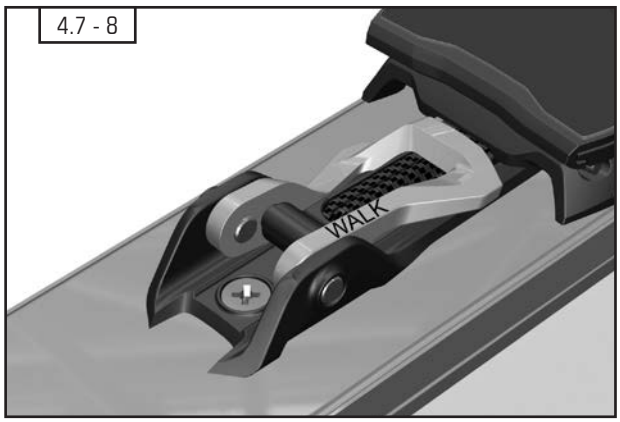


HIKING AID BASIC POSITION:

- Fold the hiking aids back into the starting position individually or together with the pole disc, or by brushing along the heel opening lever with the tip of the pole.

4.7 MARKER KINGPIN - INFORMATION FOR THE SKIER

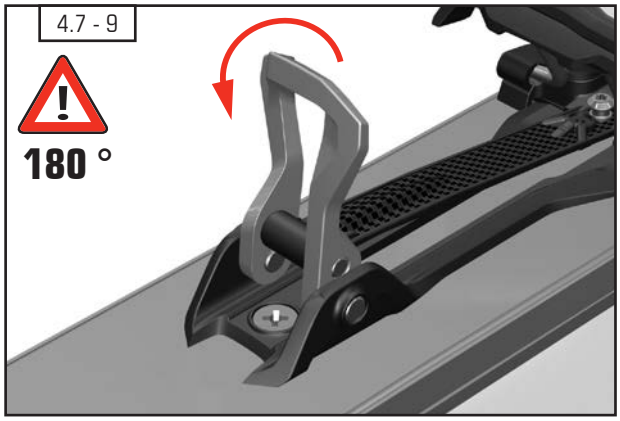
4.7 - 8



CHANGING FROM WALKING - MODE TO SKIING - MODE:

- Free the bindings from snow and ice before changing from the walking - mode to the skiing - mode !

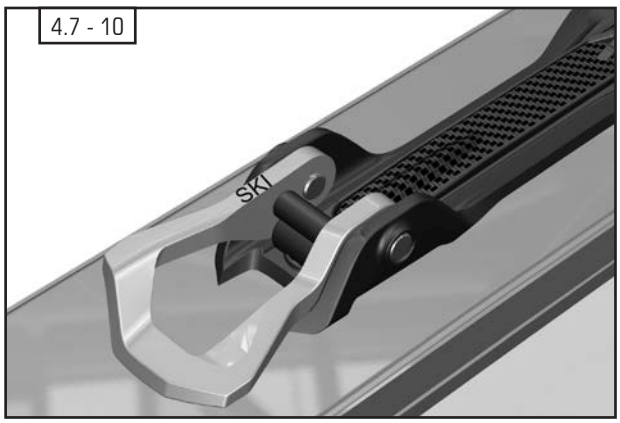
4.7 - 9



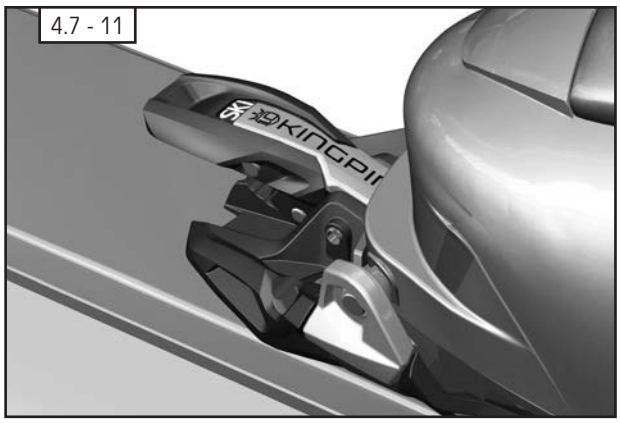
- In order to change from the walking - mode (unlocked position) to the skiing - mode (locked position) switch the lever 180° forward . (4.7 - 8, 4.7 - 9 and 4.7 - 10).

REMARK:
Because the brake is not active in ascent mode, the lever must be set to the descent position before the skins are removed from the ski.

4.7 - 10



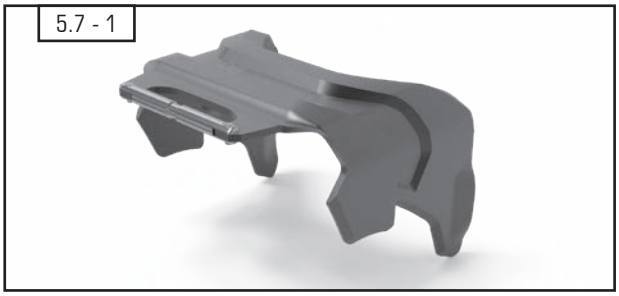
4.7 - 11



CAUTION !
For downhill skiing, always make sure that the opening lever toe (at the front end of the toe) is in the flat skiing position. The binding should always be in downhill mode (SKI) when skiing ! (4.7 - 11)

4.8 MARKER PINTECH BINDINGS - CRAMPONS

5.7 - 1

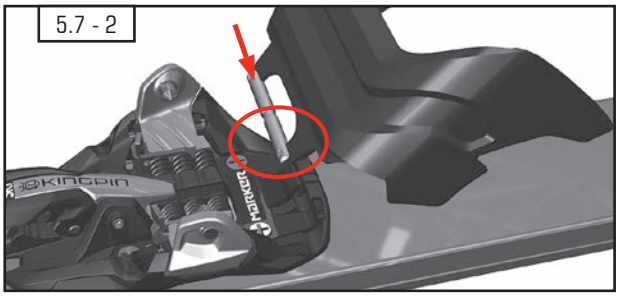


PINTECH CRAMPONS:

MARKER offers special crampons for the MARKER PINTECH models: (5.7 - 1)

Crampons PINTECH 80 mm (for ski width 66-80 mm)	Art.-Nr. H005S1A
Crampons PINTECH 90 mm (for ski width 75-90 mm)	Art.-Nr. H001P1P
Crampons PINTECH 105 mm (for ski width 90-105 mm)	Art.-Nr. H002P1P
Crampons PINTECH 120 mm (for ski width 105-120 mm)	Art.-Nr. H003P1P

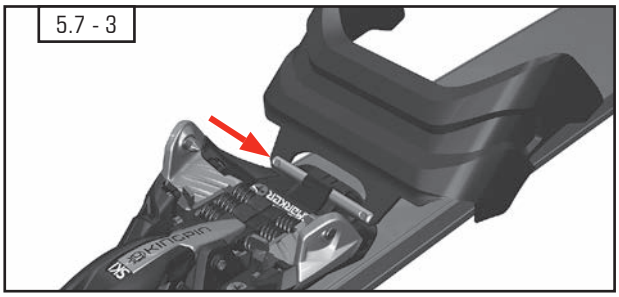
5.7 - 2



ATTACHING THE CRAMPONS:

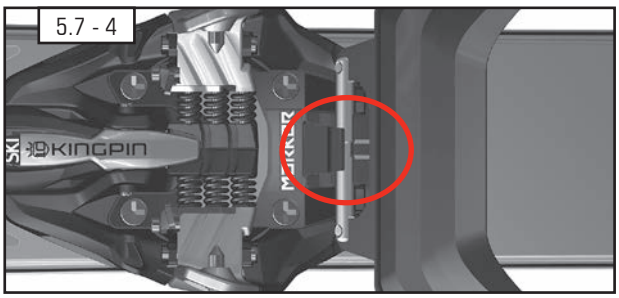
- Insert the crampon with the axis into the recess provided at the toe. Tilt the crampon around 60° to insert. (5.7 - 2 and 5.7 - 3)

5.7 - 3



- The crampon must noticeably click in place when it is centered. (5.7 - 4)

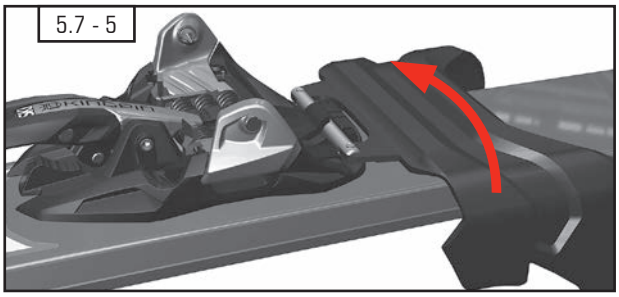
5.7 - 4



CAUTION !
Using crampons that are too small can damage the ski !

CAUTION !
No hiking aid may be used when walking with crampons. The effective action of the crampon in the snow may otherwise be too small.

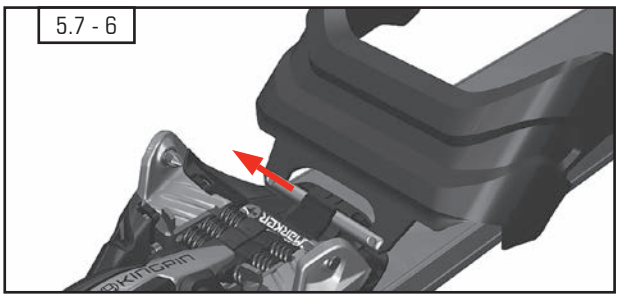
5.7 - 5



DETACHING THE CRAMPONS:

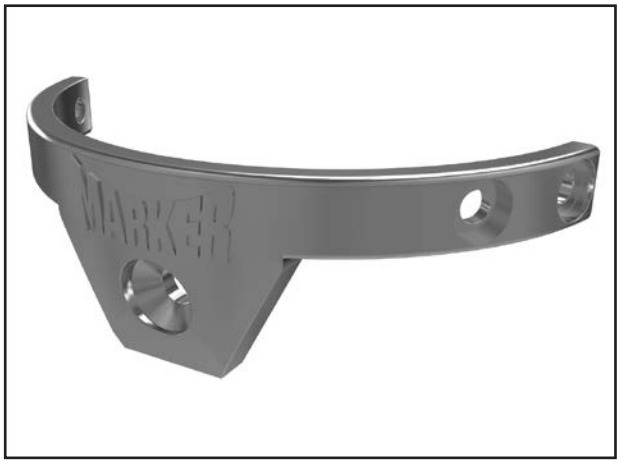
- Tilt the crampon around 60°. (5.7 - 5)

5.7 - 6



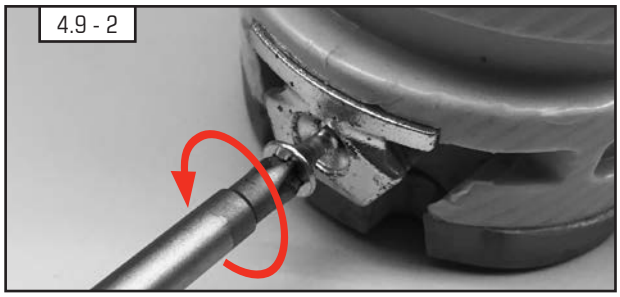
- Push against the crampon from the side and pull out. (5.7 - 6)

4.9 DIN ADAPTER AT BOOT

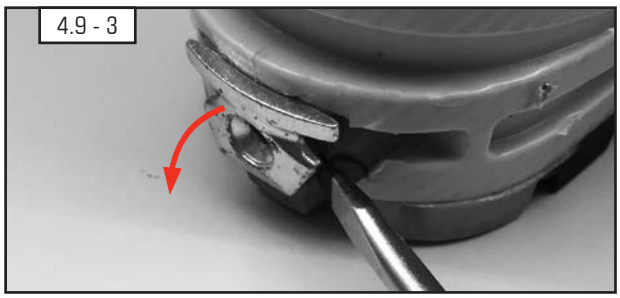


4.9 - 1

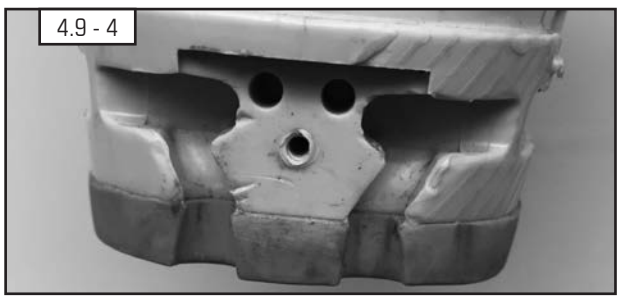
4.9 - 2



4.9 - 3



4.9 - 4



DIN - ADAPTER AT BOOT

FOR DYNAFIT TLT 5 + TLT 6 BOOTS
FOR ATOMIC BACKLAND BOOTS

A001P1D

IMPORTANT !
The Marker DIN Adapter can only be used on specific AT boots (Dynafit TLT 5, Dynafit TLT 6 and Atomic Backland models). These boot models are not compliant with the dimensions of the ISO AT Bootsole (ISO 9523). Adding the Marker DIN Adapter to these specific boot models will allow them to properly function with the Marker Kingpin Bindings.

IMPORTANT !
Tools required for assembly:
DIN Adapter,
Power drill,
Drill bit size 2mm,
small slotted screwdriver,
Phillips head screwdriver size PH2,
Torx screwdriver size 10
(4.9 - 1)

- Use the Phillips head screwdriver to unscrew the screw with which the heel insert is fixed in place. (4.9 - 2)

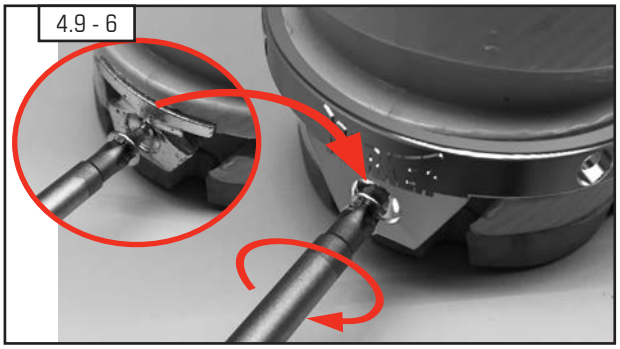
- Then remove the heel insert. This can be gently levered out using a small slotted screwdriver. (4.9 - 3 and 4.9 - 4)

4.9 DIN ADAPTER AT BOOT

4.9 - 5

- Mount the Marker DIN Adapter on the heel. While doing so, check that there is no gap between the edge of the boot heel and the DIN adapter (4.9 - 5 and 4.9 - 6). If applicable, hit the center of the DIN Adapter with a rubber mallet.

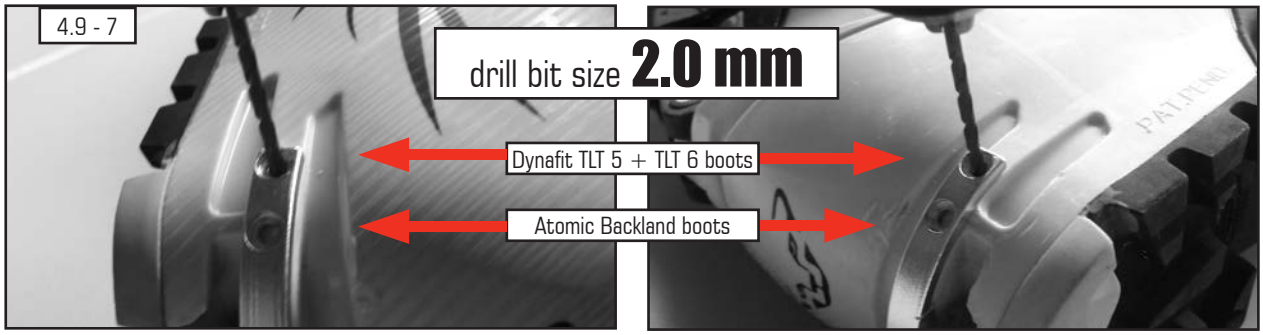
4.9 - 6



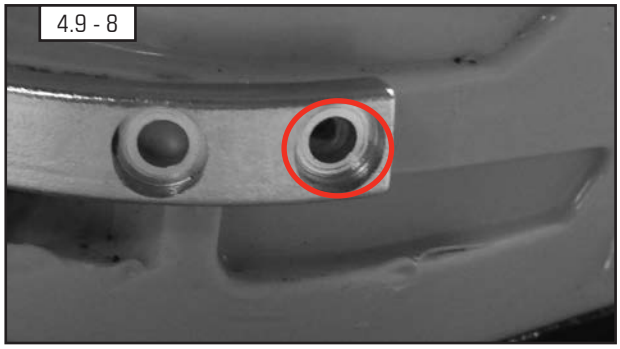
- Use the original screw from your boot to fix the DIN Adapter to the boot. (4.9 - 6)

- Drill the appropriate holes at both ends of the DIN Adapter depending on boot model. Drill into these holes that are around 5 mm deep with a 2.0 mm drill bit.
(4.9 - 7 and 4.9 - 8)

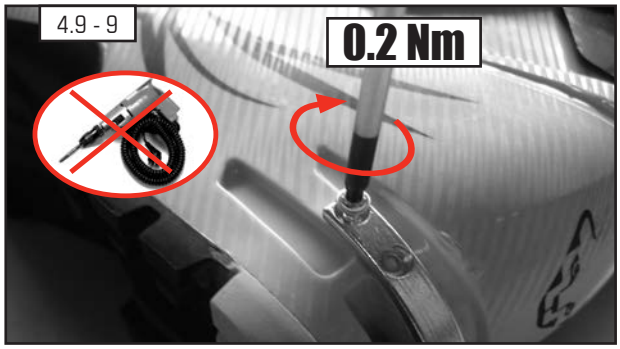
4.9 - 7



4.9 - 8

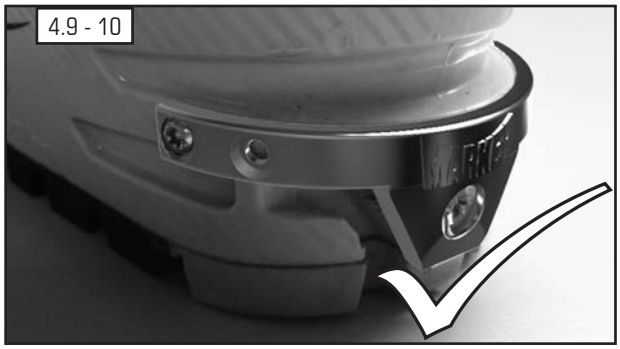


4.9 - 9



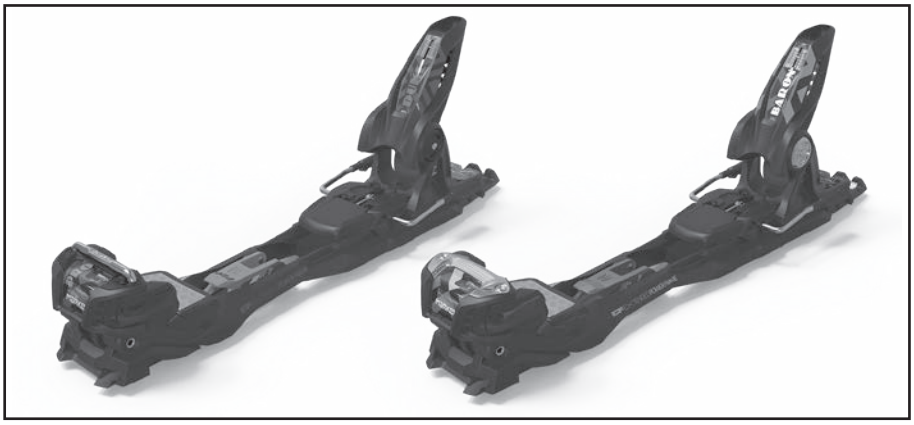
- Then tighten the Torx screws supplied using the manual screwdriver with 0.2 Nm.
(4.9 - 9 and 4.9 - 10)

4.9 DIN ADAPTER AT BOOT

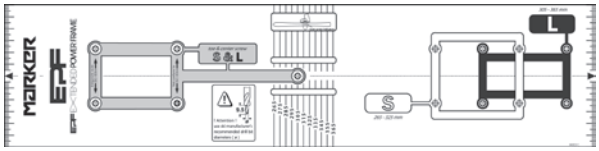


- The Marker DIN Adapter complete installation.(4.9-10)

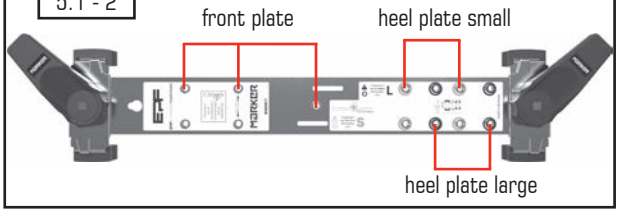
5.1 INSTALLATION OF MARKER DUKE PRO EPF & BARON EPF



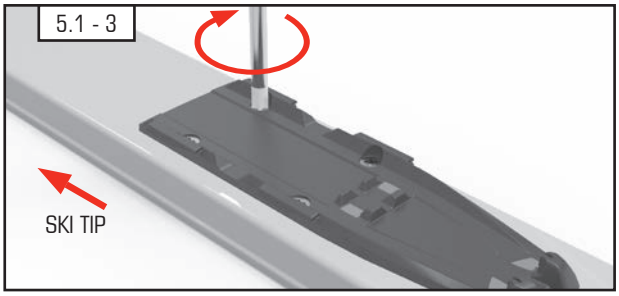
5.1 - 1



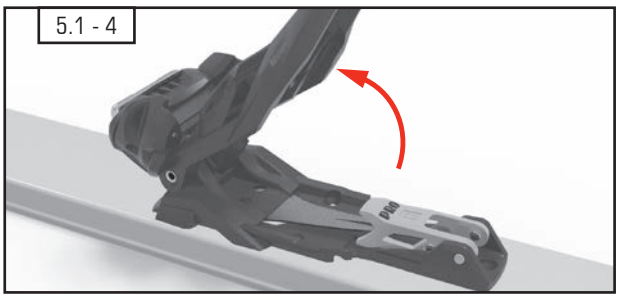
5.1 - 2



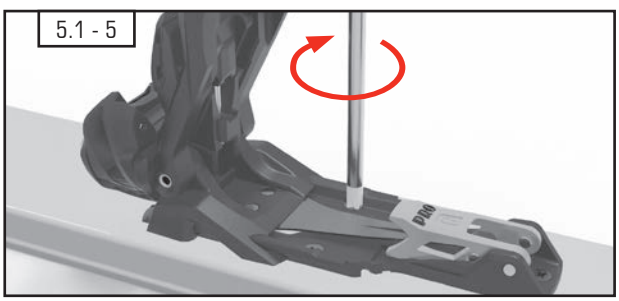
5.1 - 3



5.1 - 4



5.1 - 5



CAUTION !
The hole pattern for the MARKER DUKE PRO / BARON EPF binding deviates from ISO 8364 (lateral hole spacing = 46 mm)
Please take care to ensure that you use only the enclosed paper drilling jig (5.1 - 1) or the installation tool EPF, W006M1T (5.1 - 2).

This new hole spacing has been agreed with the following ski manufacturers, to ensure screw pull-out resistance values comply with ISO 8364: Völkl, K 2, Nordica, Blizzard, Movement, Line. For other brands of skis, please contact your ski manufacturer directly.

MARKER DUKE PRO / BARON EPF:
MARKER DUKE PRO / BARON EPF small: 265 mm - 325 mm
MARKER DUKE PRO / BARON EPF large: 305 mm - 365 mm

REMARK:
MARKER DUKE PRO / BARON EPF bindings meet DIN ISO 13992 and 9462 and are designed for the following standard boot soles:

- Touring ski boots for adults DIN ISO 9523
- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

DRILLING THE ATTACHMENT HOLES:

- Place the MARKER EPF installation tool W006M1T (5.1 - 2) in the correct position on the ski.
- Drill 5 holes for the front plate through the front drill bushings.
- MARKER DUKE PRO / BARON EPF small:
  Drill 4 holes for the heel plate through the rear silver drill bushings.
- MARKER DUKE PRO / BARON EPF large:
  Drill 4 holes for the heel plate through the rear black drill bushings.
- Remove the installation tool from the ski.

REMARK: See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE HEEL PLATE:

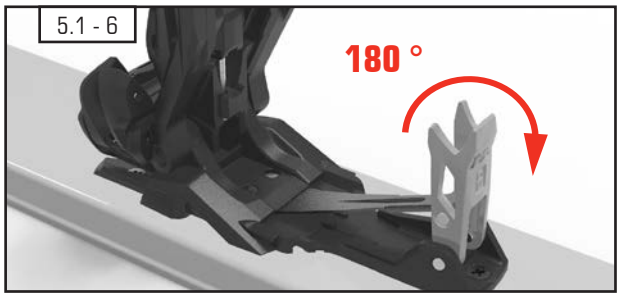
- Install the heel plate with the 4 pre - installed screws. Tighten the screws lightly, then firmly (5.1 - 3).

INSTALLING THE TOE:

- Open the binding and install the front plate with the 3 pre - installed screws. Tighten the screws lightly, then firmly (5.1 - 4 and 5.1 - 5).

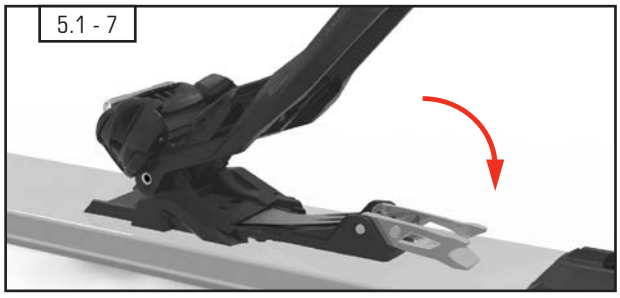
5.1 INSTALLATION OF MARKER DUKE PRO EPF & BARON EPF

5.1 - 6



- Switch the BCT engagement lever to the unlocked position (5.1 - 6) and lower the binding afterwards (5.1 - 7).

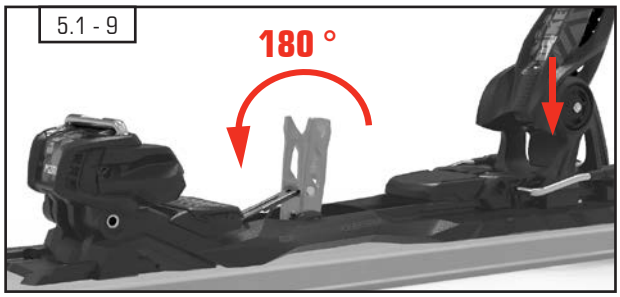
5.1 - 7



- Insert and tighten the 2 front screws (5.1 - 8).

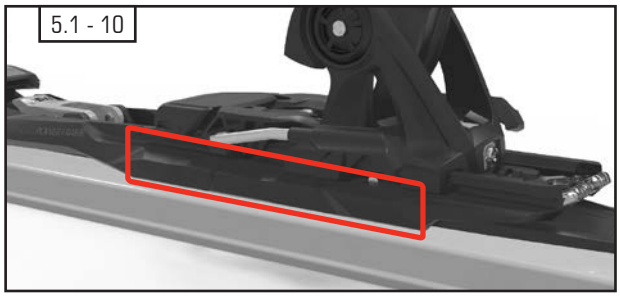
5.1 - 8

5.1 - 9



- Press down the BCT plate and switch the engagement lever to the locked position (5.1 - 9). Check that the BCT plate is fully and uniformly sliding into the heel plate attachments.

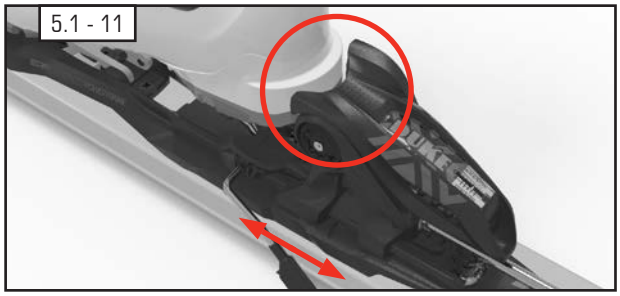
5.1 - 10



CAUTION !

Ensure that the BCT plate is fully and uniformly sliding into the heel plate attachments when the BCT engagement lever is closed. (5.1 - 10)

5.1 - 11

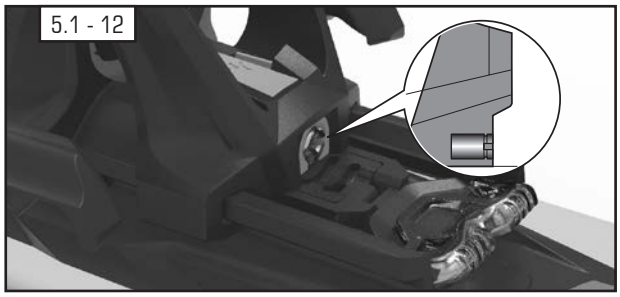


POSITIONING THE HEEL:

- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right. (5.1 - 11)

5.1 INSTALLATION OF MARKER DUKE PRO EPF & BARON EPF

5.1 - 12



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (5.1 - 12)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.

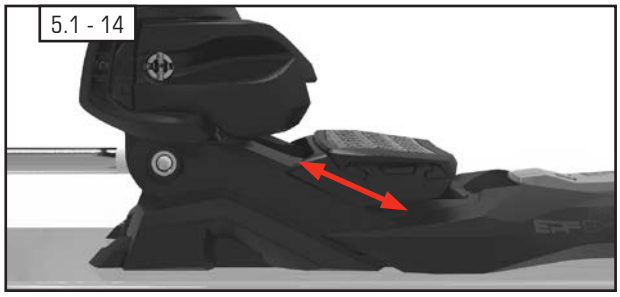
- Remove the ski boot

5.1 - 13

AFD HEIGHT ADJUSTMENT:

The height of the AFD gliding plate must be adjusted to the height of the boot sole.

5.1 - 14



REMARK:
In the original delivery condition the AFD gliding plate is adjusted to the alpine ski boot norm.

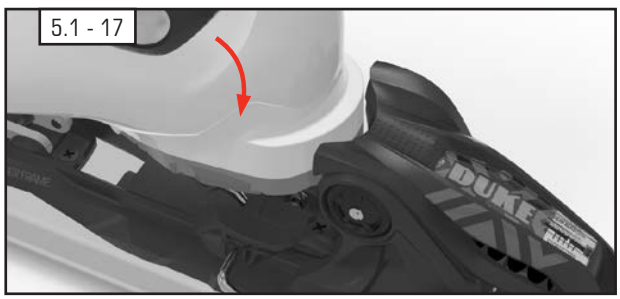
5.1 - 15

Turning the adjustment screw clockwise moves the AFD gliding plate up.
Turning the adjustment screw counterclockwise moves the AFD gliding plate down. (5.1 - 13 and 5.1 - 14)

5.1 - 16

- Place the height test strip on the gliding AFD with the red marked side up. (5.1 - 15 and 5.1 - 16)

5.1 - 17



- Place the ski boot into the binding and close it. (5.1 - 17)

5.1 INSTALLATION OF MARKER DUKE PRO EPF & BARON EPF

5.1 - 18

- Pull out the lower part of the test strip carefully. (5.1 - 18)

5.1 - 19

- Stop if the complete test strip moves and the red marked area becomes visible, the gap between gliding AFD and boot sole is not correct. (5.1 - 19)

5.1 - 20

- Adjust the height of the gliding AFD by turning the adjustment screw (6.1 - 20) so that you can pull out the green marked lower part of the test strip just before it tears (5.1 - 21 and 5.1 - 22).

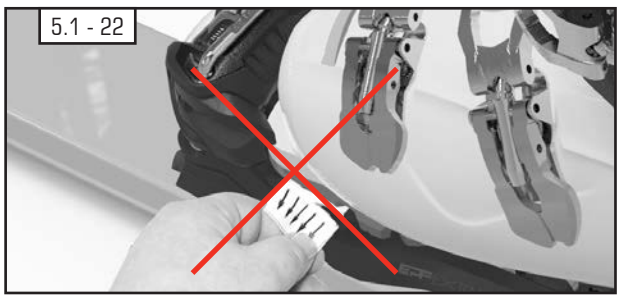
CAUTION !
Ski boots with overdimensioned soles should be modified by a specialty retailer !

5.1 - 21

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing.
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing (5.1 - 23).
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

5.1 - 22

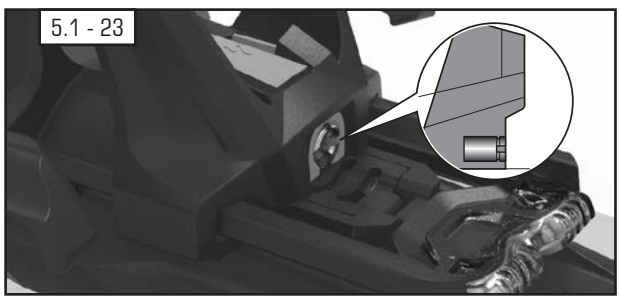


RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

5.1 - 23



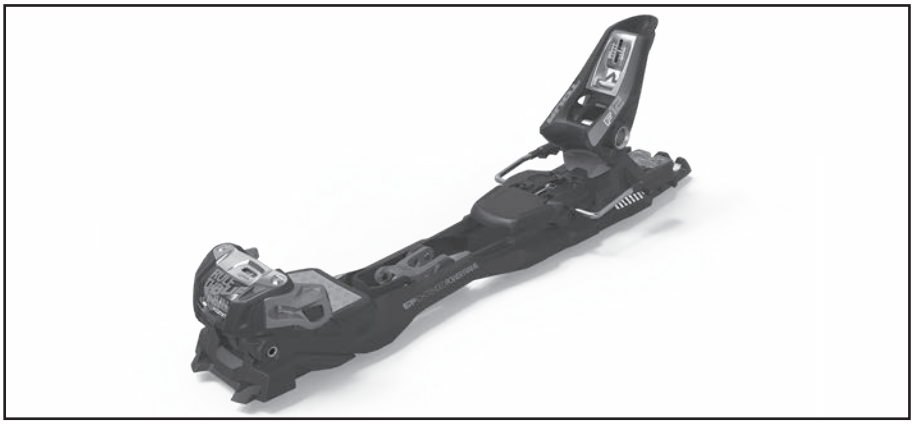
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

IMPORTANT !

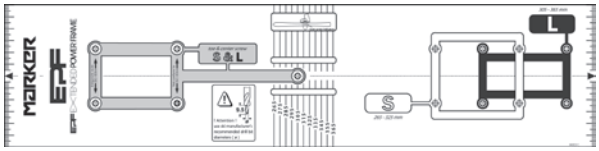
See INFORMATION FOR THE SKIER !

➔ **15.4** ➔ **15.6** ➔ **15.8**

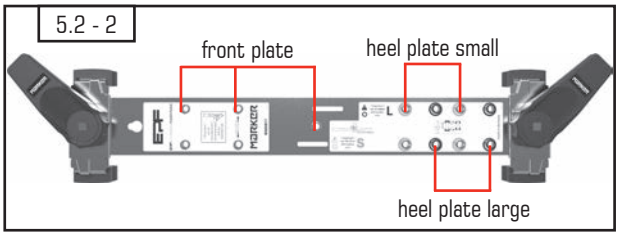
5.2 INSTALLATION OF MARKER F 12 TOUR EPF



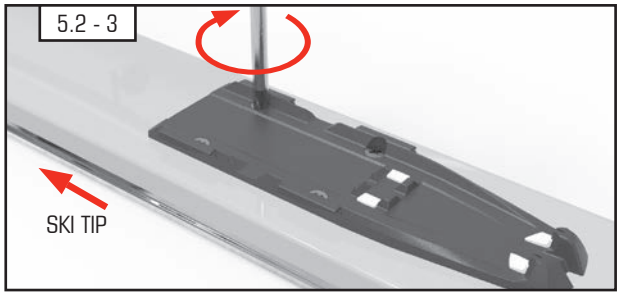
5.2 - 1



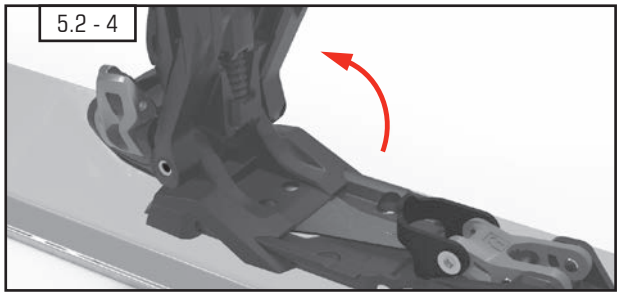
5.2 - 2



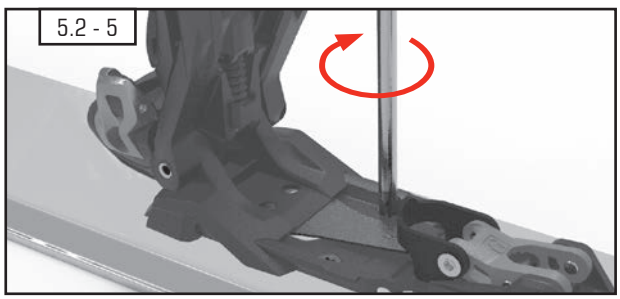
5.2 - 3



5.2 - 4



5.2 - 5



CAUTION !

The hole pattern for the MARKER F 12 TOUR EPF binding deviates from ISO 8364
(lateral hole spacing = 46 mm)
Please take care to ensure that you use only the enclosed paper drilling jig (5.2 - 1) or the installation tool EPF, W006M1T (5.2 - 2).

This new hole spacing has been agreed with the following ski manufacturers, to ensure screw pull-out resistance values comply with ISO 8364: Völkl, K 2, Nordica, Blizzard, Movement, Line. For other brands of skis, please contact your ski manufacturer directly.

MARKER TOUR F 12 EPF:

MARKER F 12 Tour EPF small: 265 mm - 325 mm
MARKER F 12 Tour EPF large: 305 mm - 365 mm

REMARK:

MARKER F 12 Tour EPF bindings meet DIN ISO 13992 and 9462 and are designed for the following standard boot soles:

- Touring ski boots for adults DIN ISO 9523
- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

DRILLING THE ATTACHMENT HOLES:

- Place the MARKER EPF installation tool W006M1T (5.2 - 2) in the correct position on the ski.
- Drill 5 holes for the front plate through the front drill bushings.
- MARKER F 12 Tour EPF small:
  Drill 4 holes for the heel plate through the rear silver drill bushings.
- MARKER F 12 Tour EPF large:
  Drill 4 holes for the heel plate through the rear black drill bushings.
- Remove the installation tool from the ski.

REMARK:

See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE HEEL PLATE:

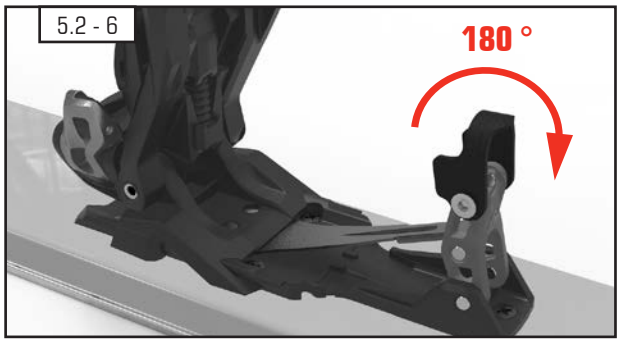
- Install the heel plate with the 4 pre - installed screws. Tighten the screws lightly, then firmly (5.2 - 3).

INSTALLING THE TOE:

- Open the binding and install the front plate with the 3 pre - installed screws. Tighten the screws lightly, then firmly (5.2 - 4 and 5.2 - 5).

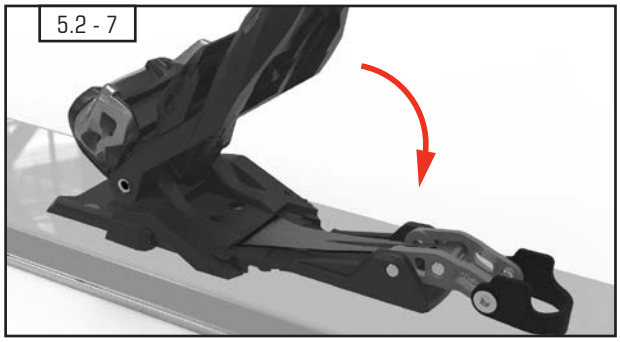
5.2 INSTALLATION OF MARKER F 12 TOUR EPF

5.2 - 6



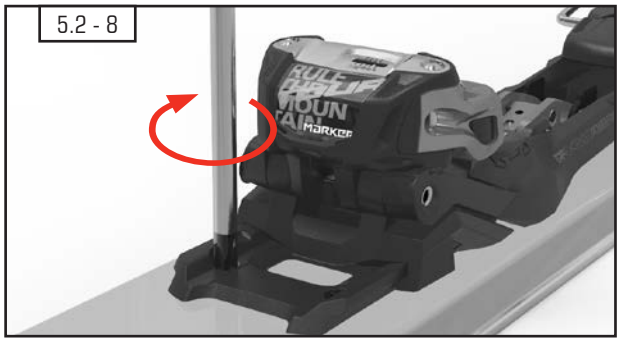
- Switch the TOUR engagement lever to the unlocked position (5.2 - 6)

5.2 - 7



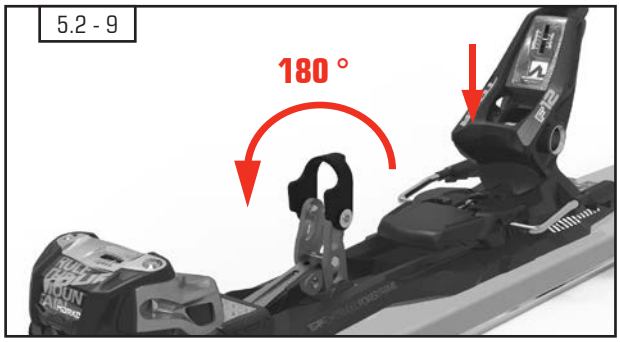
- and lower the binding afterwards (5.2 - 7).

5.2 - 8



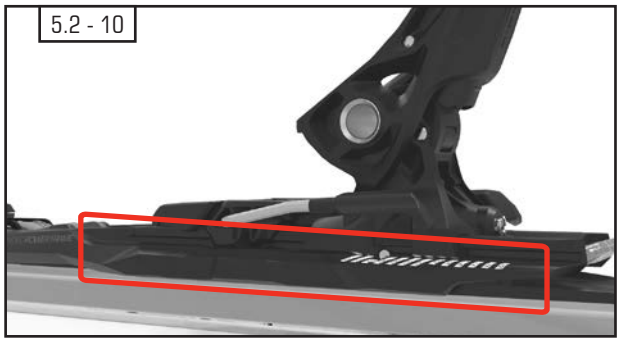
- Insert and tighten the 2 front screws (5.2 - 8).

5.2 - 9



- Press down the TOUR plate and switch the engagement lever to the locked position (5.2 - 9). Check that the TOUR plate is fully and uniformly sliding into the heel plate attachments.

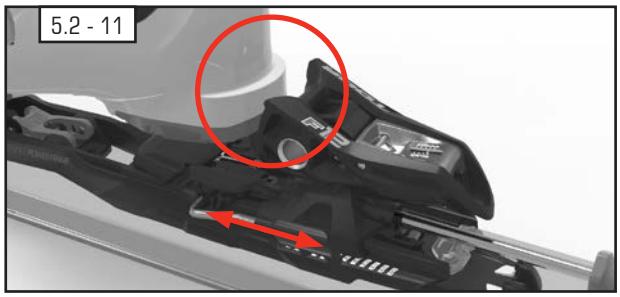
5.2 - 10



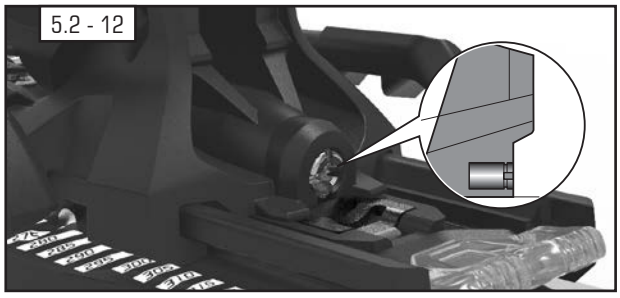
CAUTION !
Ensure that the TOUR plate is fully and uniformly sliding into the heel plate attachments when the engagement lever is closed (5.2 - 10).

5.2 INSTALLATION OF MARKER F 12 TOUR EPF

5.2 - 11



5.2 - 12



POSITIONING THE HEEL:

- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately correct (5.2 - 11).

CHECK FORWARD PRESSURE:

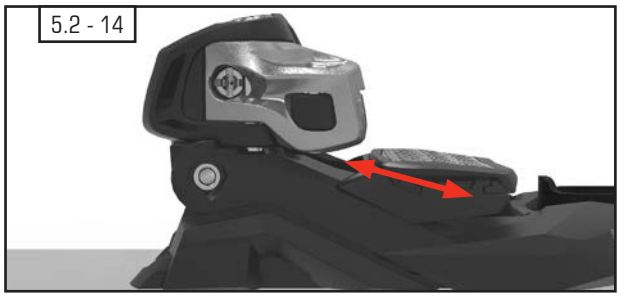
- Place the ski boot into the binding and close it..
- Check if the forward pressure adjustment screw is flush with the back of the heel housing (5.2 - 12).
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot

MARKER TOUR AFD HEIGHT ADJUSTMENT:

The height of the AFD gliding plate must be adjusted to the height of the boot sole.

5.2 - 13

5.2 - 14

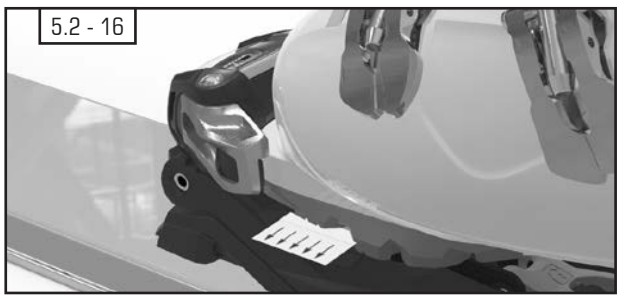


5.2 - 15

Turning the adjustment screw clockwise moves the AFD gliding plate up.

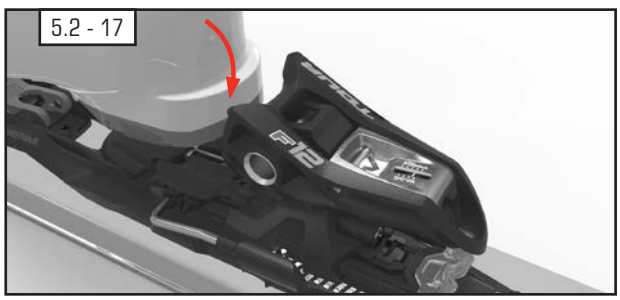
Turning the adjustment screw counterclockwise moves the AFD gliding plate down (5.2 - 13 / 5.2 - 14).

5.2 - 16



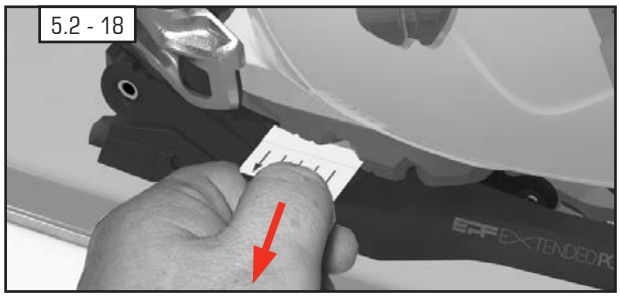
- Place the height test strip on the gliding AFD with the red marked side up (5.2 - 15 and 5.2 - 16).

5.2 - 17

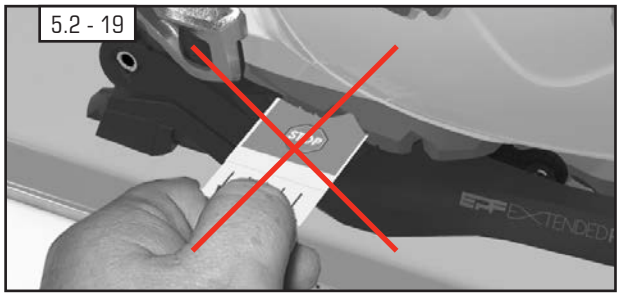


- Place the ski boot into the binding and close it (5.2 - 17).

5.2 INSTALLATION OF MARKER F 12 TOUR EPF



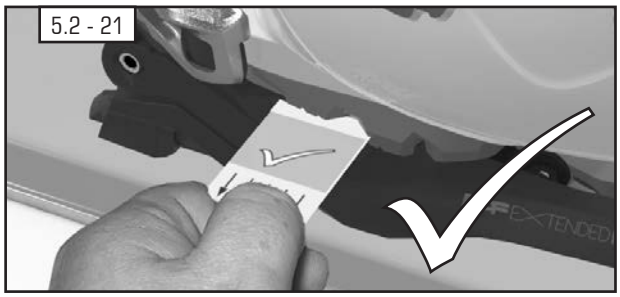
- Pull out the lower part of the test strip carefully. (5.2 - 18)



- Stop if the complete test strip moves and the red marked area becomes visible, the gap between gliding AFD and boot sole is not correct. (5.2 - 19)

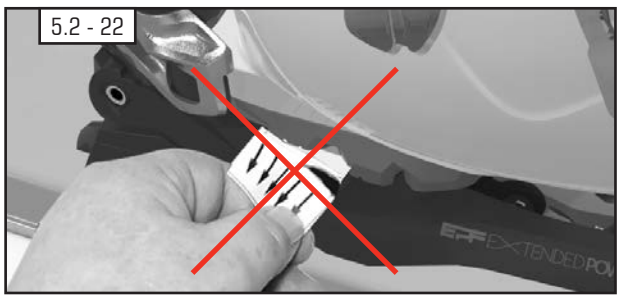
- Adjust the height of the gliding AFD by turning the adjustment screw (5.2 - 20) so that you can pull out the green marked lower part of the test strip just before it tears (5.2 - 21 and 5.2 - 22).

CAUTION !
Ski boots with overdimensioned soles should be modified by a specialty retailer !



CHECK FORWARD PRESSURE:

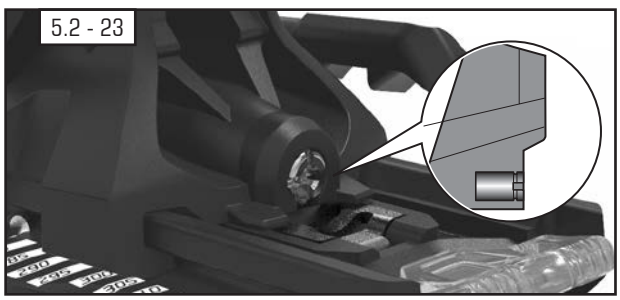
- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing.
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing. (5.2 - 23)
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.



RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ 12.1 - 12.3



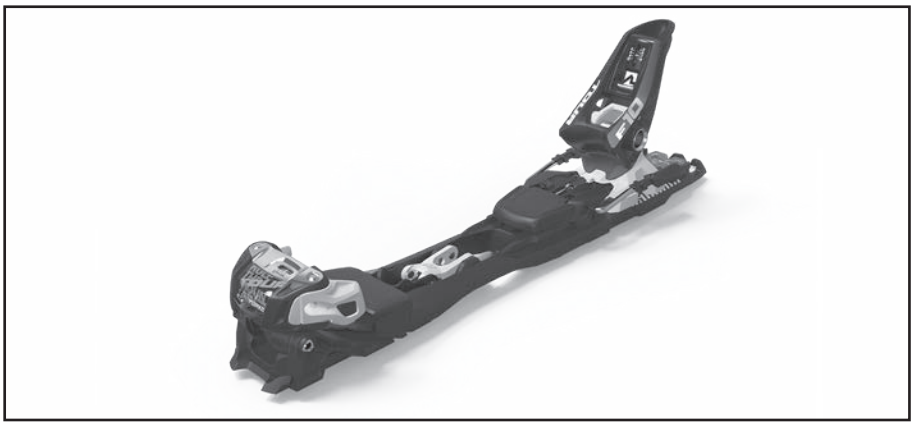
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

IMPORTANT !

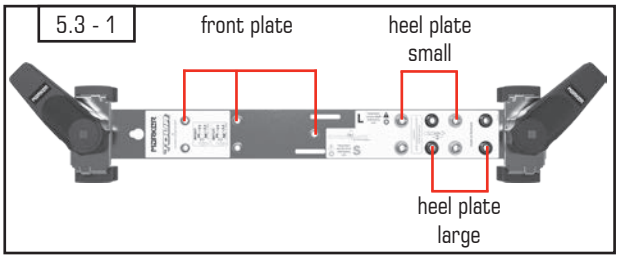
See INFORMATION FOR THE SKIER

➔ **15.4** ➔ **15.5** ➔ **15.8**

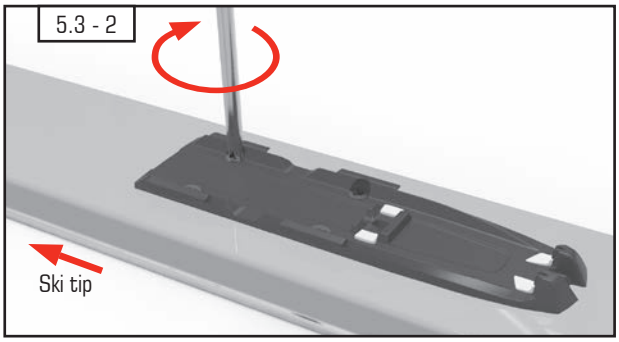
5.3 INSTALLATION OF MARKER F 10 TOUR



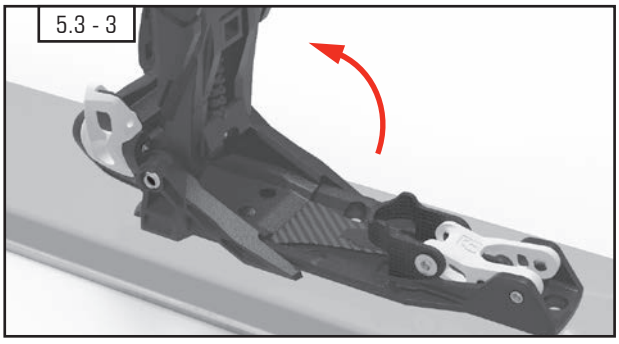
5.3 - 1



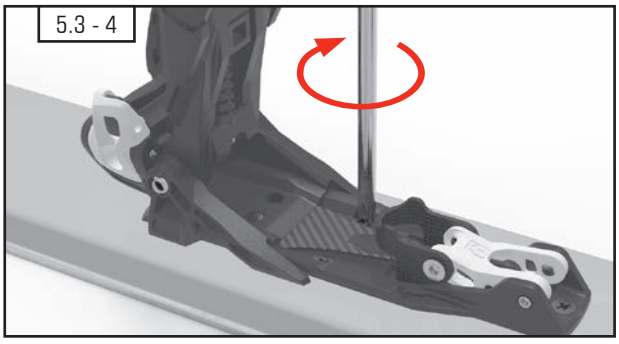
5.3 - 2



5.3 - 3



5.3 - 4



MARKER F 10 TOUR:

MARKER F 10 TOUR small: 265 mm - 325 mm
MARKER F 10 TOUR large: 305 mm - 365 mm

REMARK:
MARKER F 10 TOUR bindings meet DIN ISO 13992 and 9462 and are designed for the following standard boot soles:

- Touring ski boots for adults DIN ISO 9523
- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

DRILLING THE ATTACHMENT HOLES:

- Place the MARKER TOUR installation tool W010G1T or W011J1T (5.3 - 1) in the correct position on the ski.
- Drill 5 holes for the front plate through the front drill bushings.
- MARKER TOUR small:
  Drill 4 holes for the heel plate through the rear silver drill bushings.
- MARKER TOUR large:
  Drill 4 holes for the heel plate through the rear black drill bushings.
- Remove the installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE HEEL PLATE:

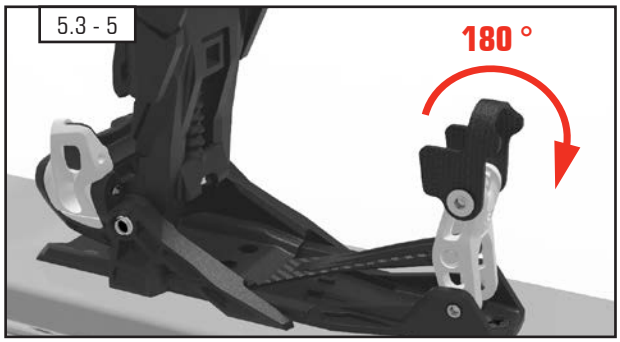
- Install the MARKER TOUR heel plate with the 4 pre - installed screws. (5.3 - 2)

INSTALLING THE TOE:

- Open the binding and install the front plate with the 3 pre - installed screws (5.3 - 3 / 5.3 - 4).

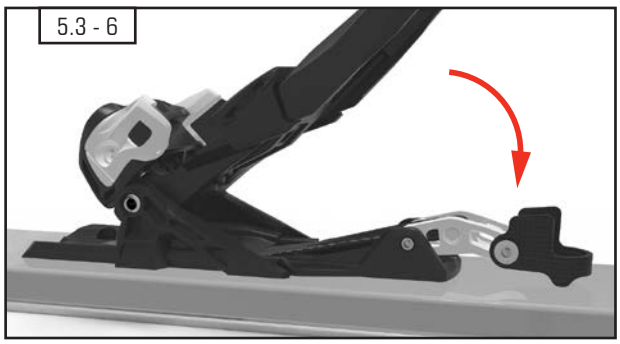
5.3 INSTALLATION OF MARKER F 10 TOUR

5.3 - 5



- Switch the TOUR engagement lever to the unlocked position (5.3 - 5)

5.3 - 6

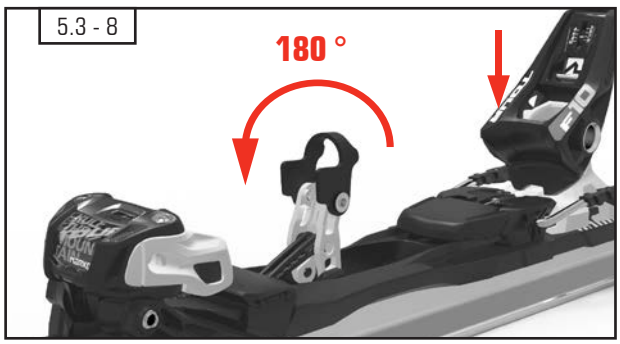


- and lower the binding afterwards (5.3 - 6).

5.3 - 7

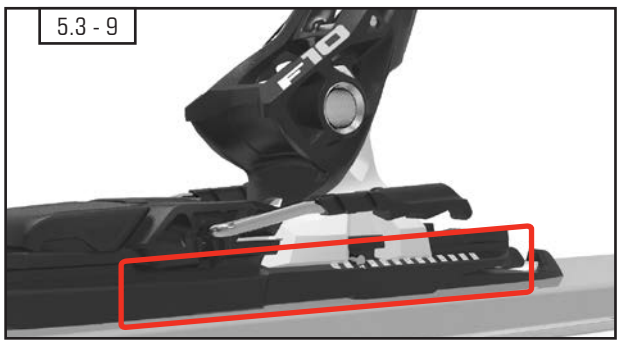
- Insert and tighten the 2 front screws (5.3 - 7).

5.3 - 8



- Press down the TOUR plate and switch the engagement lever to the locked position (5.3 - 8). Check that the TOUR plate is fully and uniformly sliding into the heel plate attachments.

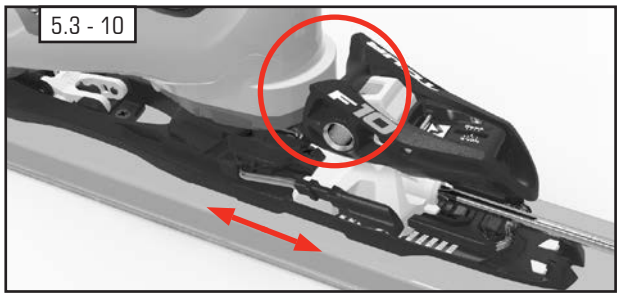
5.3 - 9



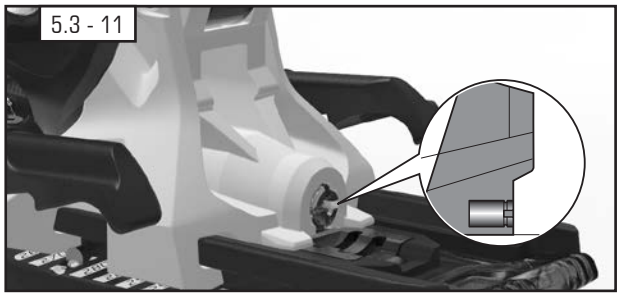
CAUTION !
Ensure that the TOUR plate is fully and uniformly sliding into the heel plate attachments when the engagement lever is closed (5.3 - 9).

5.3 INSTALLATION OF MARKER F 10 TOUR

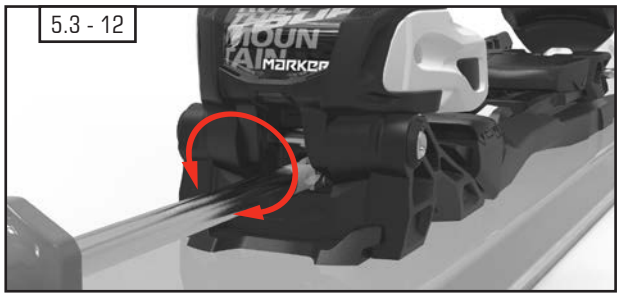
5.3 - 10



5.3 - 11

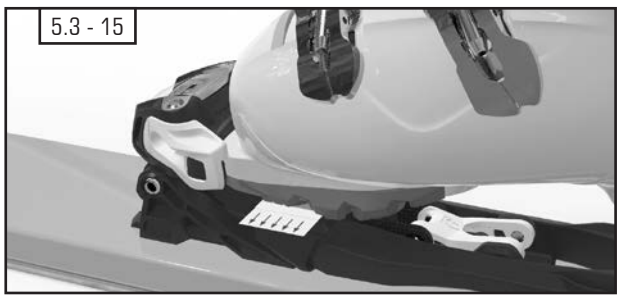


5.3 - 12

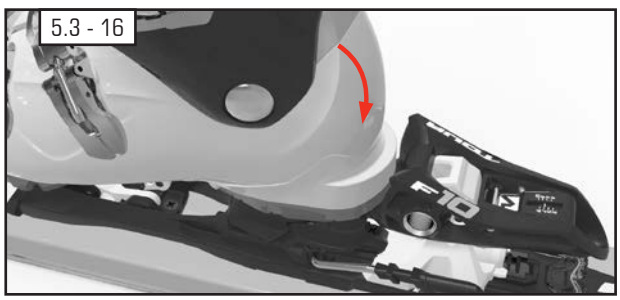


5.3 - 14

5.3 - 15



5.3 - 16



POSITIONING THE HEEL:

- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right (5.3 - 10).

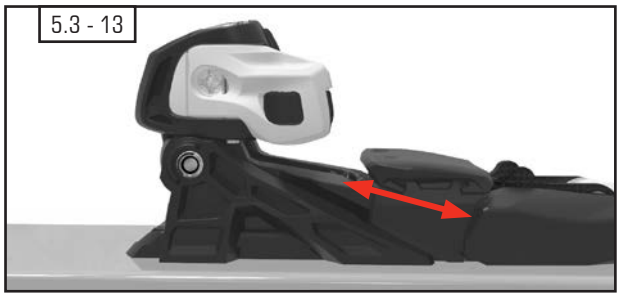
CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing (5.3 - 11).
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot

MARKER TOUR AFD HEIGHT ADJUSTMENT:

The height of the AFD gliding plate must be adjusted to the height of the boot sole.

5.3 - 13



Turning the adjustment screw clockwise moves the AFD gliding plate up.

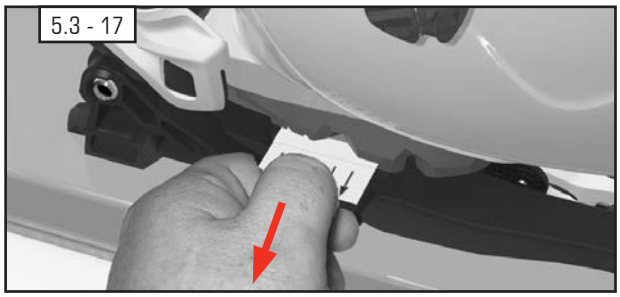
Turning the adjustment screw counterclockwise moves the AFD gliding plate down (5.3 - 12 / 5.3 - 13).

- Place the height test strip on the gliding AFD with the red marked side up (7.1 - 14 and 5.3 - 15).

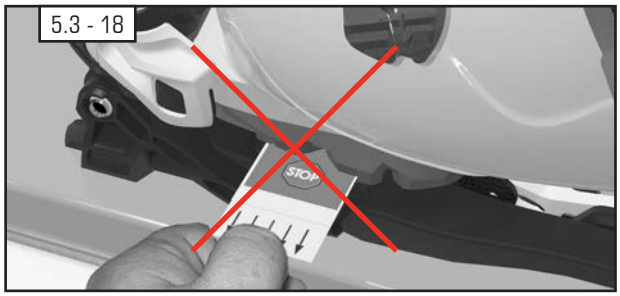
- Place the ski boot into the binding and close it (5.3 - 16).

5.3 INSTALLATION OF MARKER F 10 TOUR

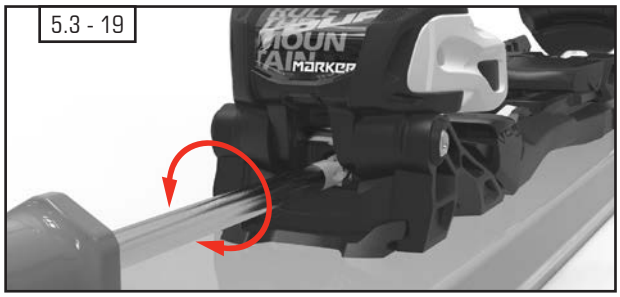
5.3 - 17



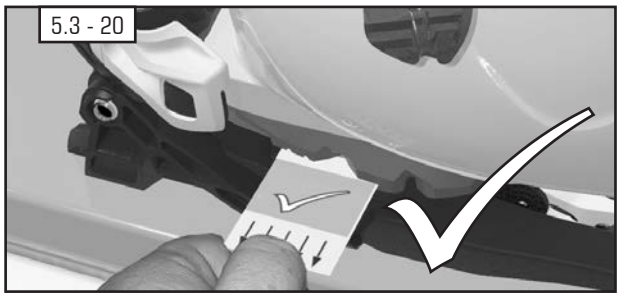
5.3 - 18



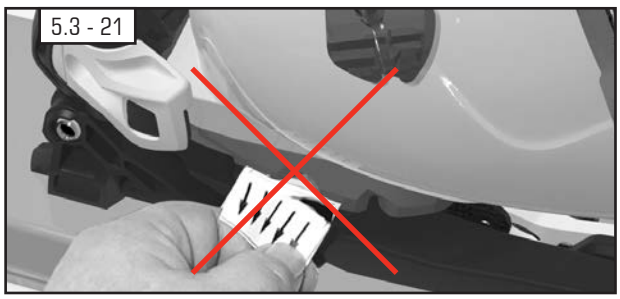
5.3 - 19



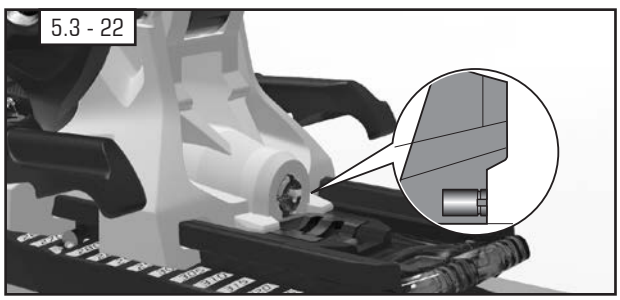
5.3 - 20



5.3 - 21



5.3 - 22



- Pull out the lower part of the test strip carefully. (5.3 - 17)
- Stop if the complete test strip moves and the red marked area becomes visible, the gap between gliding AFD and boot sole is not correct. (5.3 - 18)
- Adjust the height of the gliding AFD by turning the adjustment screw (5.3 - 19) so that you can pull out the green marked lower part of the test strip just before it tears (5.3 - 20 and 5.3 - 21).

CAUTION !
Ski boots with overdimensioned soles should be modified by a specialty retailer !

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing.
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing. (5.3 - 22)
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

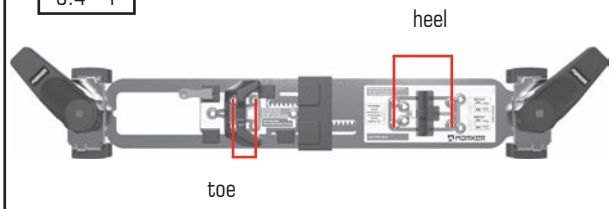
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

IMPORTANT !

See INFORMATION FOR THE SKIER
➔ **15.4** ➔ **15.5** ➔ **15.7**

5.4 INSTALLATION OF MARKER JESTER PRO ID & JESTER ID & GRIFFON ID & SQUIRE ID

5.4 - 1

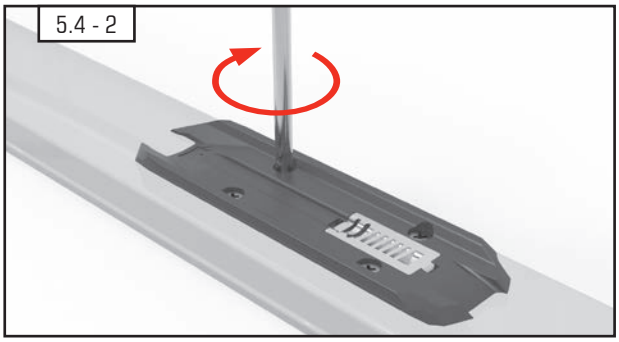


REMARK:

The binding models "sole.ID" are designed for the following standard boot soles:

- Touring ski boots for adults DIN ISO 9523
- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

5.4 - 2

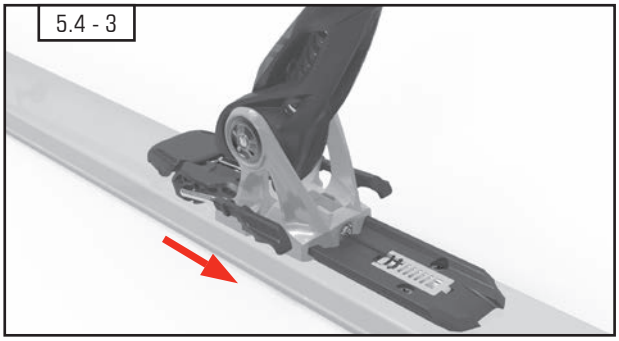


DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF THE BINDING INSTALLATION TOOLS.
➔ **3.2**

- Place the MARKER universal installation tool W001G1T or W012J1T (6.2 - 1) in the correct position on the ski.
- Drill 4 holes for the front plate (toe) through the red marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the red marked drill bushings
- Remove installation tool from the ski.

5.4 - 3

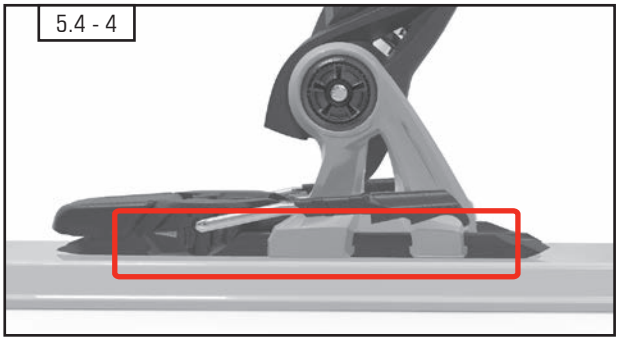


REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE HEEL :

- Install the heel plate with the 4 pre - installed screws (5.4 - 2). Tighten the screws lightly, then firmly.
- Slide the heel onto the heel plate, starting from the front. (5.4 - 3)

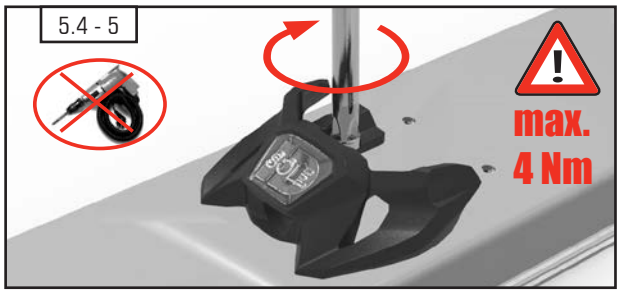
5.4 - 4



- Slide the heel back until it stops. (5.4 - 3)

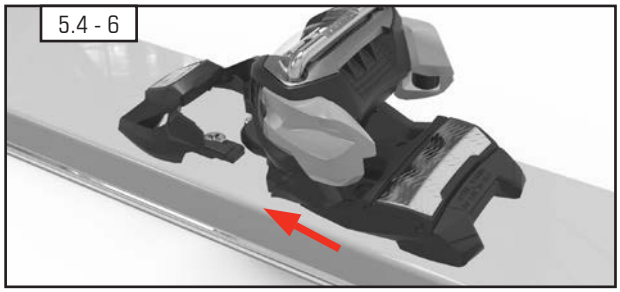
CAUTION !
Ensure that the heel is fully and uniformly sliding onto the heel plate. (5.4 - 4)

5.4 INSTALLATION OF MARKER JESTER PRO ID & JESTER ID & GRIFFON ID & SQUIRE ID



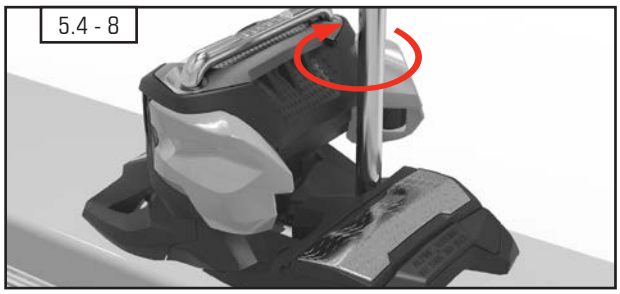
INSTALLING THE TOE:

- Install the front plate with the pre - installed screws in the front holes. Tighten the screws lightly, then firmly (5.4 - 5).



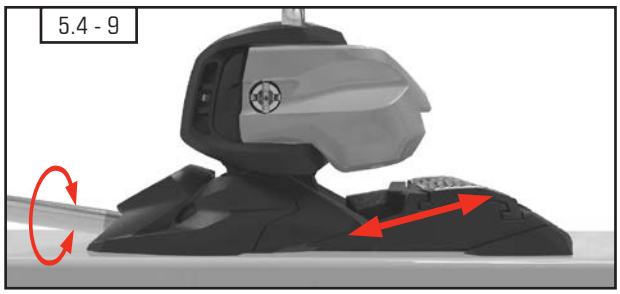
- Slide the toe onto the front plate from the rear (5.4 - 6).

CAUTION !
Ensure that the toe is fully and uniformly sliding into the front plate attachments and the height adjustment screw is mounted correct to the front plate. (5.4 - 7)



- Install the toe with the enclosed screws. Tighten the screws lightly, then firmly (5.4 - 8).

AFD HEIGHT ADJUSTMENT.



- The height of the AFD gliding plate must be adjusted to the height of the boot sole. (5.4 - 9)

REMARK:
In the original delivery condition the AFD gliding plate is adjusted to the alpine ski boot norm.

- When the gliding AFD is adjusted to the rear / upper position, the height conforms to the DIN ISO 5355 (Alpine boots) (5.4 - 10)

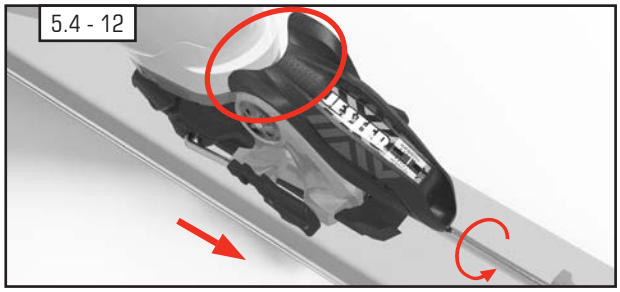
5.4 INSTALLATION OF MARKER JESTER PRO ID & JESTER ID & GRIFFON ID & SQUIRE ID

5.4 - 11

- When the gliding AFD is adjusted to the front / lower position, the height conforms to the DIN ISO 9523 (Touring boots) (5.4 - 11)

REMARK:
When mounting the toe to the height adjustment "touring" make sure that you fit the enclosed "Touring" indication sticker to the ski.

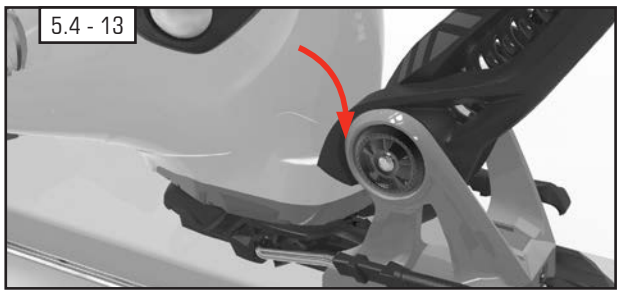
5.4 - 12



POSITIONING THE HEEL:

- Move the heel backwards by turning the forward pressure adjustment screw.
- Place the ski boot into the binding. Move the heel backwards until the position of the heel is approximately right. (5.4 - 12).

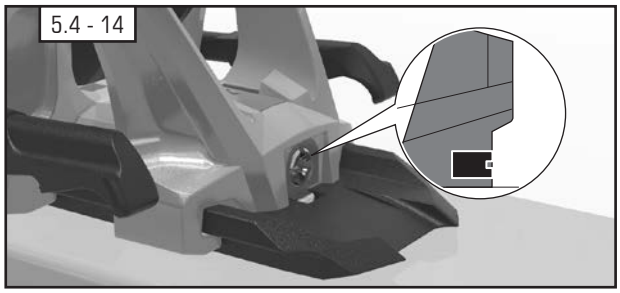
5.4 - 13



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it. (5.4 - 13)

5.4 - 14



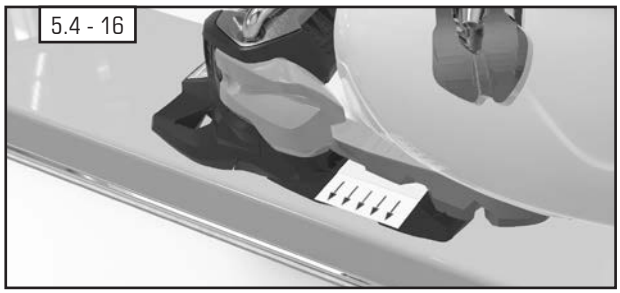
- Check if the forward pressure adjustment screw is flush with the back of the heel housing.
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing. (5.4 - 14)
- Remove the ski boot.

Turning the adjustment screw clockwise moves the AFD gliding plate down.
Turning the adjustment screw counterclockwise moves the AFD gliding plate up.

5.4 - 15

- Place the height test strip on the gliding AFD with the red marked side up. (5.4 - 15).

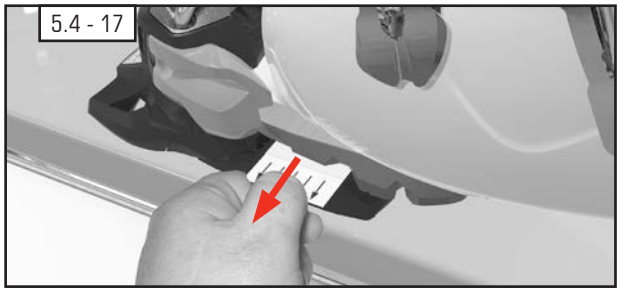
5.4 - 16



- Place the ski boot into the binding and close it. (5.4 - 16)

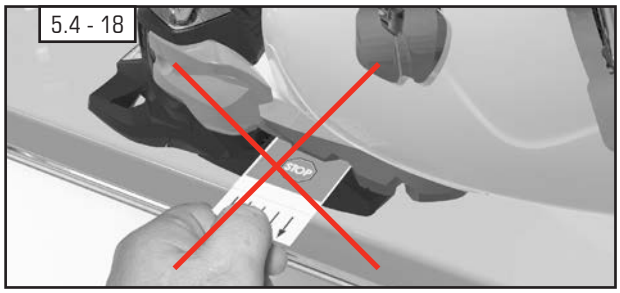
5.4 INSTALLATION OF MARKER JESTER PRO ID & JESTER ID & GRIFFON ID & SQUIRE ID

5.4 - 17



- Pull out the lower part of the test strip carefully. (5.4 - 17)

5.4 - 18



- Stop if the complete test strip moves and the red marked area becomes visible, the gap between gliding AFD and boot sole is not correct. (5.4 - 18)

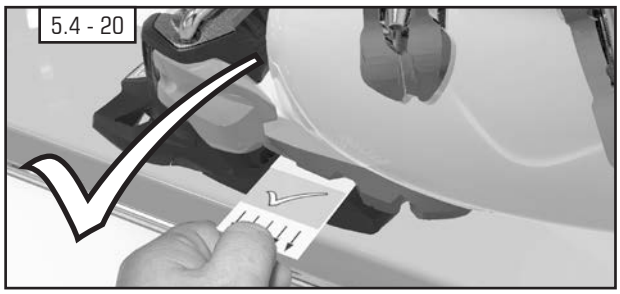
5.4 - 19

- Adjust the height of the gliding AFD by turning the adjustment screw (6.2 - 19) so that you can pull out the green marked lower part of the test strip just before it tears (5.4 - 20 and 5.4 - 21).

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing.
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing (5.4 - 22).
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

5.4 - 20

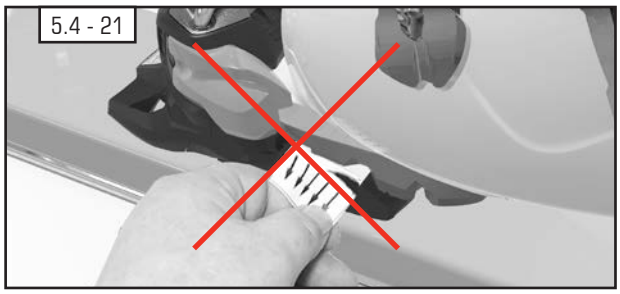


RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

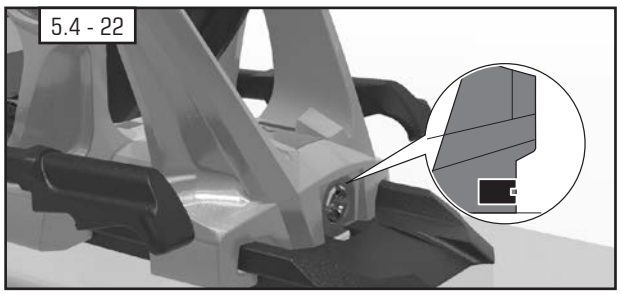
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

5.4 - 21



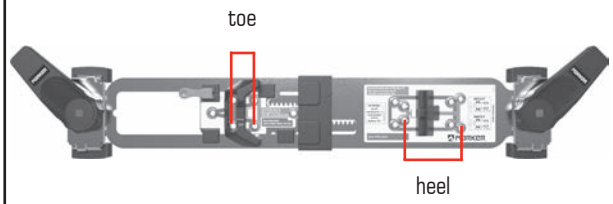
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

5.4 - 22



6.1 INSTALLATION OF FREE TEN MODELS

6.1 - 1



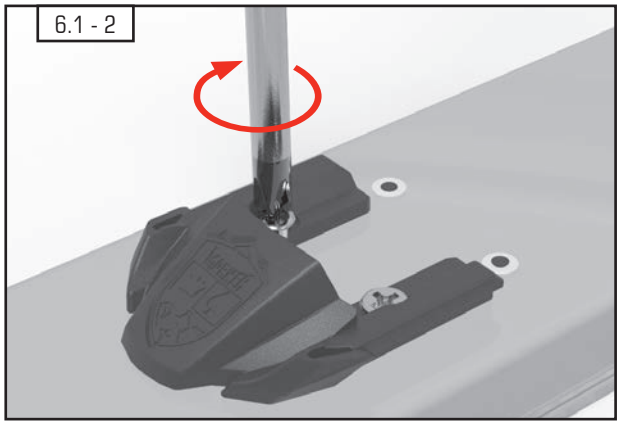
REMARK: these binding models are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.

DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF THE INSTALLATION TOOLS. ➔ **3.2**

- Place the MARKER universal installation tool W001G1T or W012J1T (8.4 - 1) in the correct position on the ski.

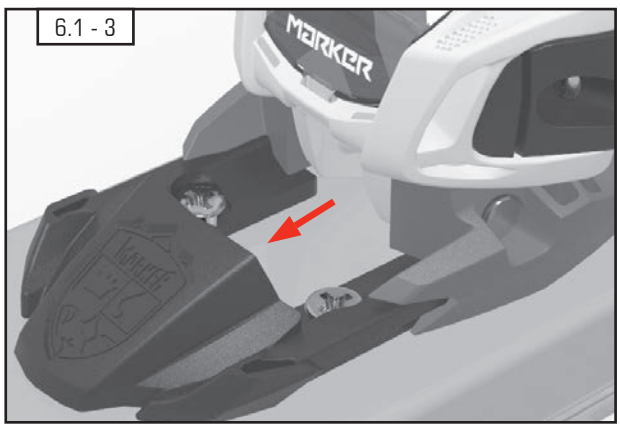
6.1 - 2



- Drill 4 holes for the front plate (toe) through the red marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings.
- Remove installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

6.1 - 3

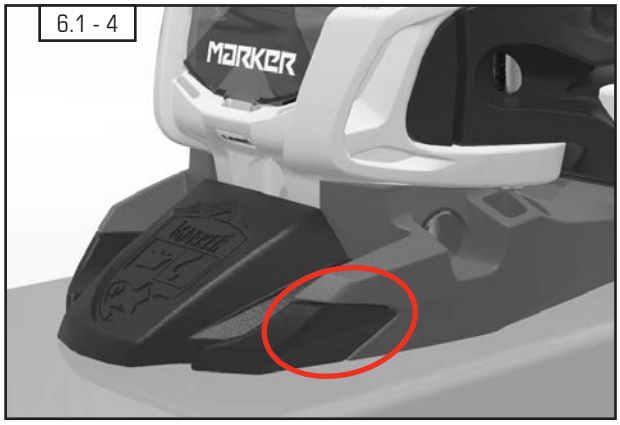


INSTALLING THE TOE:

- Install the front plate with the pre - installed screws in the front holes. Tighten the screws lightly, then firmly (6.1 - 2).
- Slide the toe onto the front plate from the rear (6.1 - 3).

6.1 INSTALLATION OF FREE TEN MODELS

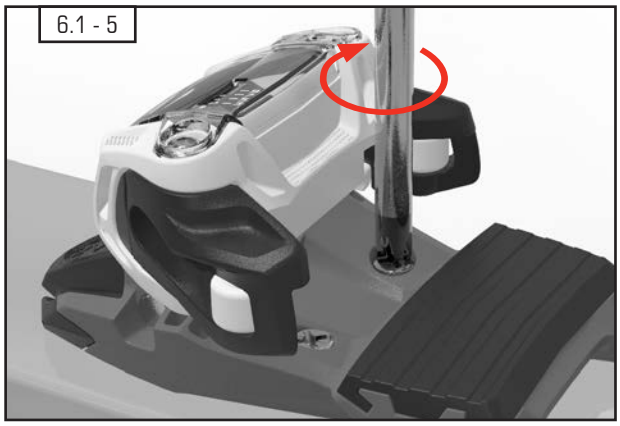
6.1 - 4



CAUTION !
Ensure that the toe is fully and uniformly sliding into the front plate attachments (6.1 - 4).

- Install the toe with the pre - mounted screws. Tighten the screws lightly, then firmly (6.1 - 5).

6.1 - 5



INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- With downward pressure, tighten the screws lightly, then firmly. (6.1 - 6)

6.1 - 6

CHECK FORWARD PRESSURE:

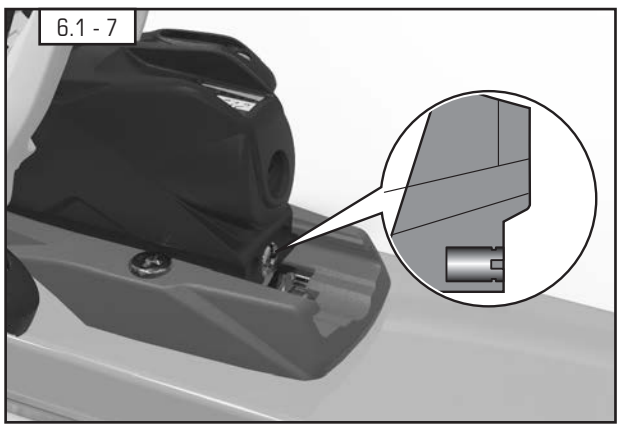
- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (6.1 - 7)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

6.1 - 7



CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

6.2 INSTALLATION OF 12.0 TPX & 11.0 & 10.0 TP GRIPWALK

REMARK:
This mounting instruction is also valid for the MARKER / MOVEMENT models Freeski TP GRIPWALK

REMARK: The binding models 12.0 TPX GRIPWALK & 11.0 TP GRIPWALK & 10.0 TP GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

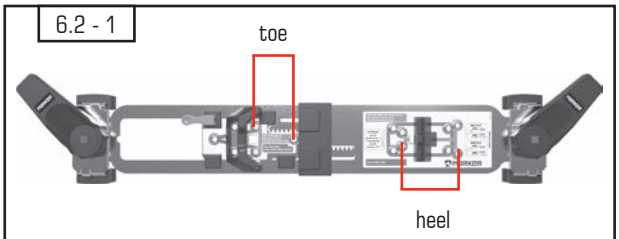
DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF INSTALLATION TOOLS ➔ **3.2**

- Place the MARKER universal installation tool W001G1T or W012J1T (8.5 - 1) in the correct position on the ski
- Drill 3 holes for the front plate (toe) through the green marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
see DRILLING INSTRUCTIONS ➔ **3.2**

6.2 - 1



INSTALLING THE TOE:

- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (6.2 - 2)

6.2 - 2

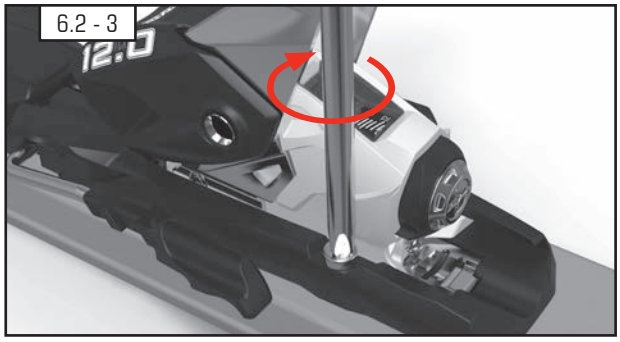
INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (6.2 - 3)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (6.2 - 4)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

6.2 - 3



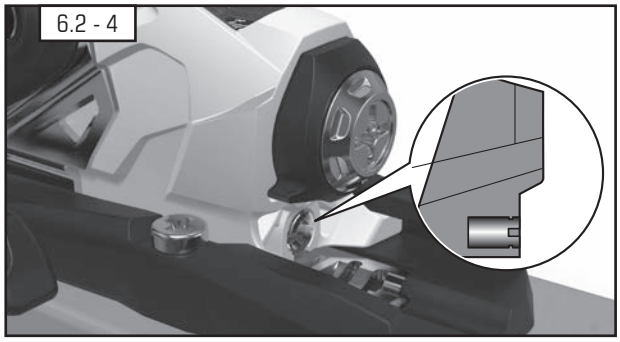
CAUTION !
Make sure that you do not exceed the back stop when adjusting the sole length backward !

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

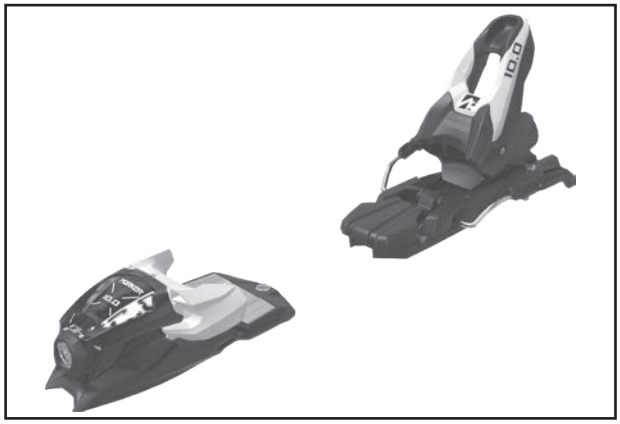
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

6.2 - 4

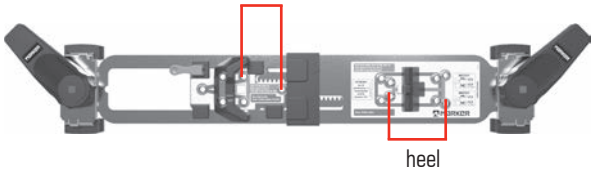


CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

6.3 INSTALLATION OF 10.0

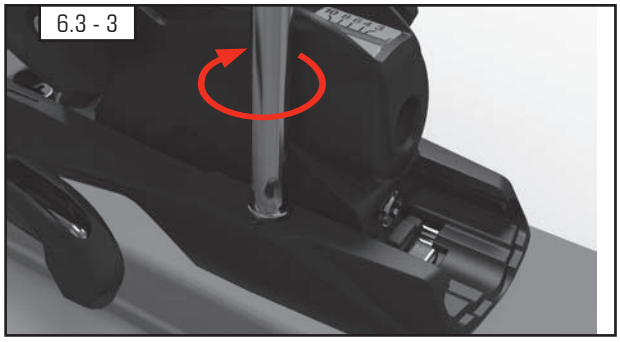


6.3 - 1

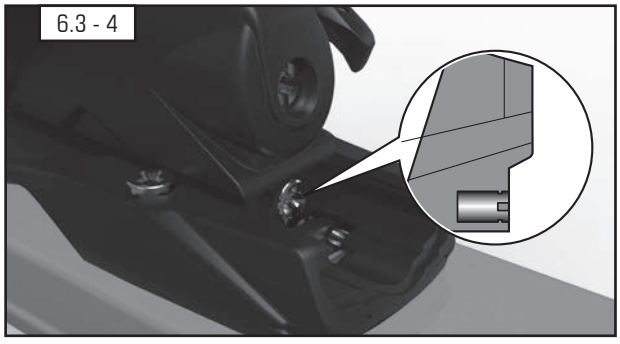


6.3 - 2

6.3 - 3



6.3 - 4



REMARK: these binding models are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.

DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF INSTALLATION TOOLS ➔ **3.2**

- Place the MARKER universal installation tool W001G1T or W012J1T (8.6 - 1) in the correct position on the ski
- Drill 3 holes for the front plate (toe) through the green marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings.
- Remove the installation tool from the ski.

REMARK:

see DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE TOE:

- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (6.3 - 2)

INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (6.3 - 3)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (6.3 - 4)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

CAUTION !
Make sure that you do not exceed the back stop when adjusting the sole length backward !

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

6.4 INSTALLATION OF FREE 7 / 7.0 / 4.5 GRIPWALK

REMARK: The binding models Free 7 & 7.0 & 4.5 GRIPWALK are designed for the following boot soles:

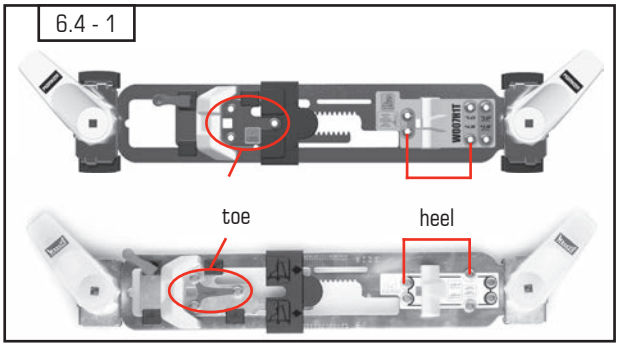
- Alpine ski boots for adults DIN ISO 5355 type A
- Junior ski boots DIN ISO 5355 type C
- Junior ski boots with the additional marking "GRIPWALK Junior"
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

DRILLING THE ATTACHMENT HOLES:

- Place the MARKER installation tool W007H1T or W007E1T (6.4 - 1) in the correct position on the ski.
- Drill 3 holes for the toe through the front drill bushings.
- Drill 4 holes for the heel through the yellow marked rear drill bushings.
- Remove the installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

6.4 - 1



INSTALLING THE TOE:

- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (6.4 - 2)

6.4 - 2

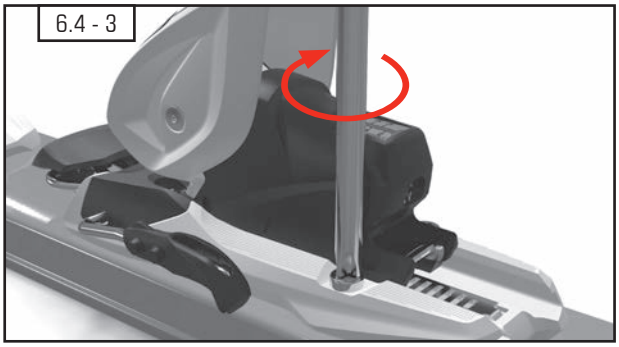
INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (6.4 - 3)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the groove on the locking lever has to point to the embossed section of the heel housing (6.4 - 4).
  If the forward pressure is incorrect: remove the ski boot, lift the lever and move the heel until the forward pressure is correct.

6.4 - 3



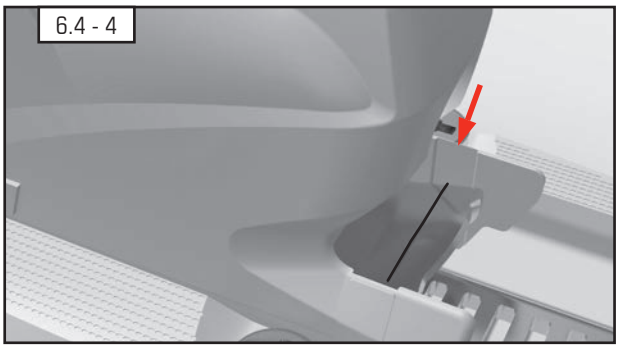
CAUTION !
Make sure that you do not exceed the back stop when adjusting the sole length backward !

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

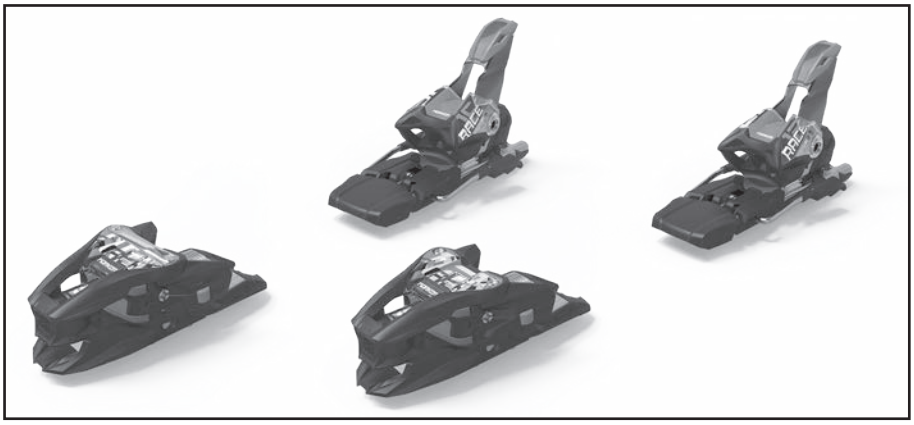
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

6.4 - 4

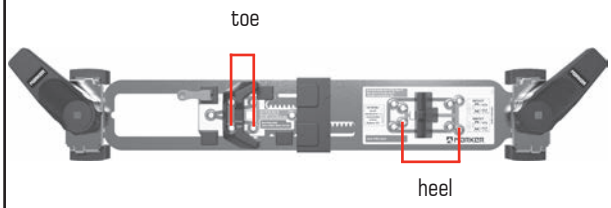


CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

7.1 INSTALLATION OF MARKER RACE XCELL



7.1 - 1



REMARK: these binding models are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.

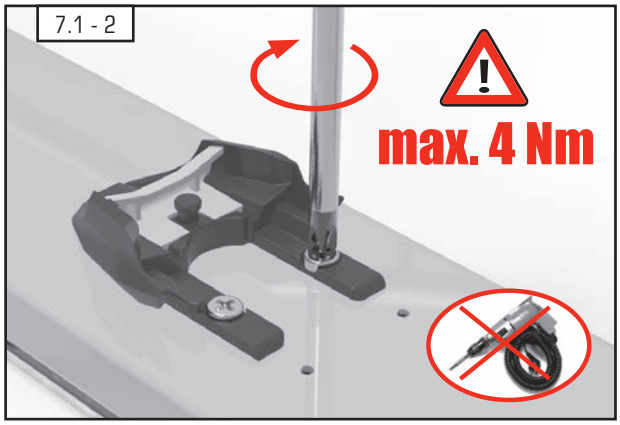
DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF THE INSTALLATION TOOLS. ➔ **3.2**

- Place the MARKER universal installation tool W001G1T (7.1 - 1) in the correct position on the ski.
- Drill 4 holes for the front plate (toe) through the red marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings.
- Remove installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

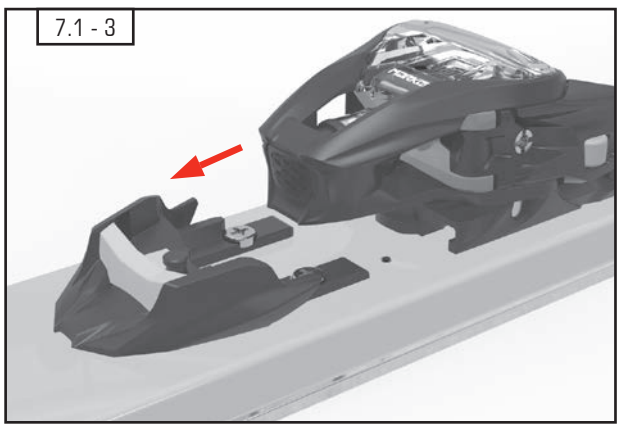
7.1 - 2



INSTALLING THE TOE:

- Install the front plate with the pre - installed screws in the front holes. Tighten the screws by hand with a maximum torque of 4.0 Nm (7.1 - 2).

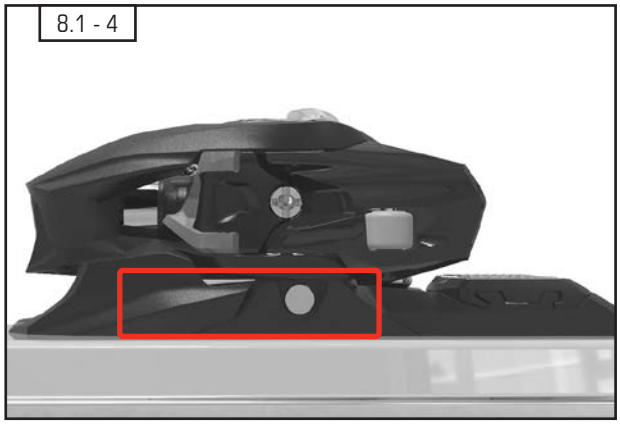
7.1 - 3



- Slide the toe onto the front plate from the rear (7.1 - 3).

7.1 INSTALLATION OF MARKER RACE XCELL

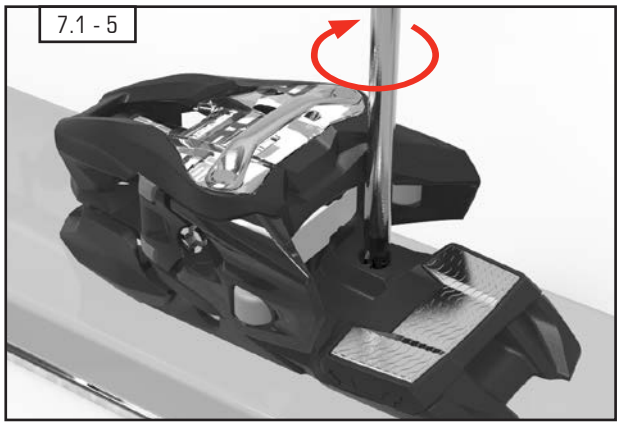
8.1 - 4



CAUTION !
Ensure that the toe is fully and uniformly sliding into the front plate attachments (7.1 - 4).

- Install the toe with the pre - mounted screws. Tighten the screws lightly, then firmly (7.1 - 5).

7.1 - 5



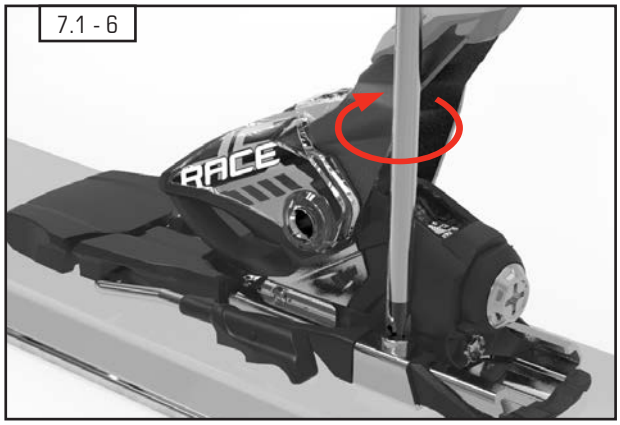
INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- With downward pressure, tighten the screws lightly, then firmly. (7.1 - 6)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (7.1 - 7)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

7.1 - 6



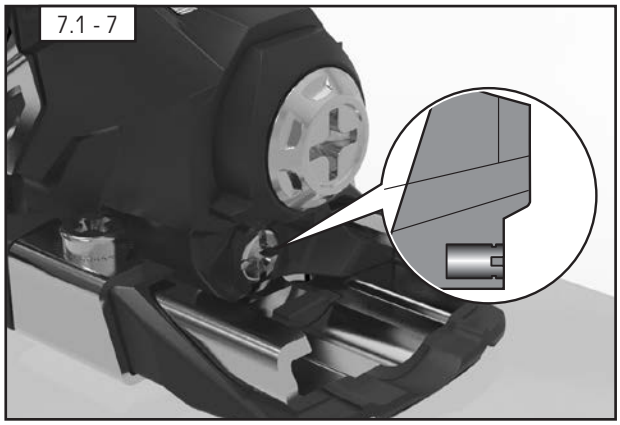
CAUTION !
Make sure that you do not exceed the back stop when adjusting the sole length backward !

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

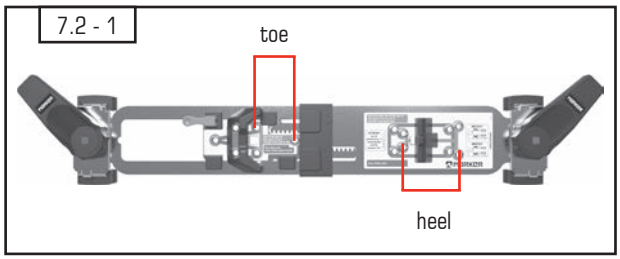
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

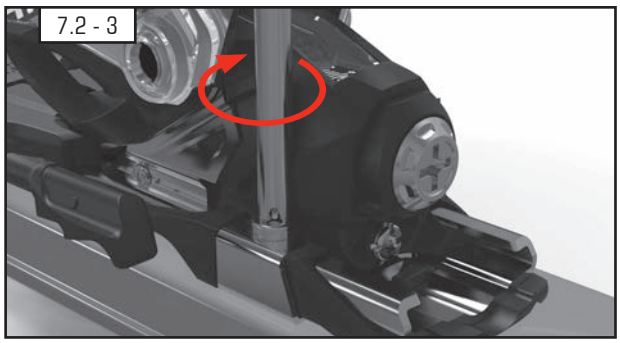
7.1 - 7

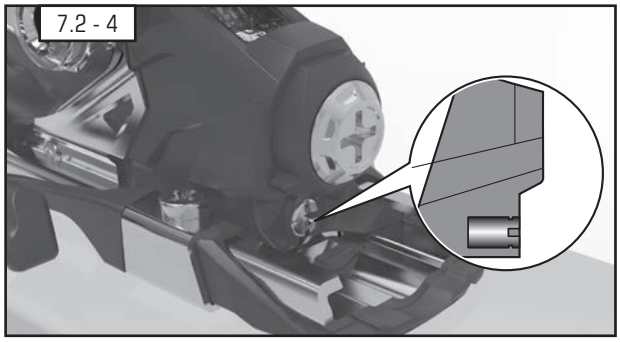


CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

7.2 INSTALLATION OF RACE 10 TCX & RACE 10







REMARK:
The binding models Race 10 TCX and Race 10 are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.

DRILLING THE ATTACHMENT HOLES:
See ADJUSTMENT OF INSTALLATION TOOLS ➔ **3.2**

- Place the MARKER universal installation tool W001G1T (7.2 - 1) in the correct position on the ski
- Drill 3 holes for the front plate (toe) through the green marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
see SKI INSPECTION ➔ **2.2**
see DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE TOE:
- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (7.2 - 2)

INSTALLING THE HEEL:
- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (7.2 - 3)

CHECK FORWARD PRESSURE:
- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (7.2 - 4)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment..

CAUTION !
Make sure that you do not exceed the back stop when adjusting the sole length backward !

RELEASE VALUE SELECTION AND ADJUSTMENT:

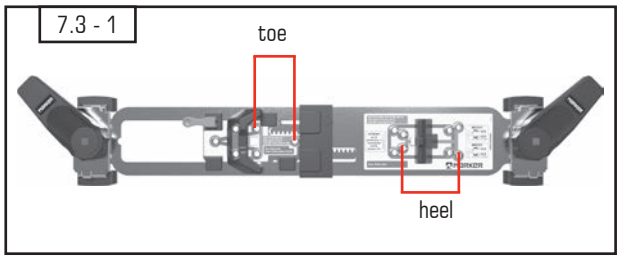
- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

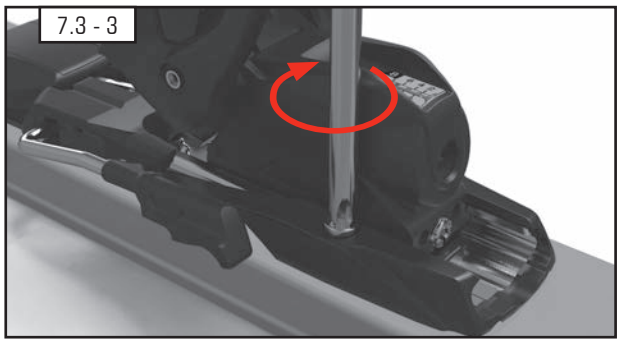
7.3 INSTALLATION OF RACE JUNIOR 8 & FREE 8

7.3 - 1

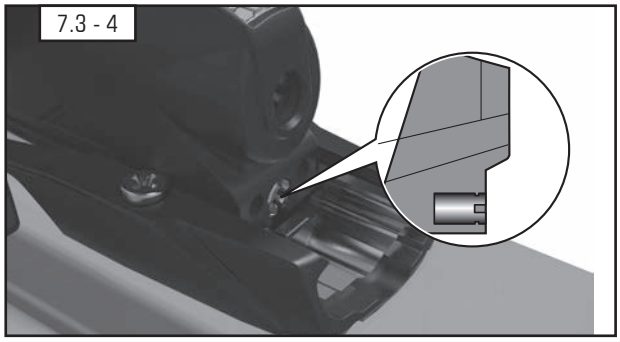


7.3 - 2

7.3 - 3



7.3 - 4



REMARK:
The binding models Race Junior 8 and Free 8 may only be used with junior ski boots DIN ISO 5355 type C.

DRILLING THE ATTACHMENT HOLES:
See ADJUSTMENT OF INSTALLATION TOOLS ➔ **3.2**

- Place the MARKER universal installation tool W001G1T (7.3 - 1) in the correct position on the ski
- Drill 3 holes for the front plate (toe) through the green marked drill bushings.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
see SKI INSPECTION ➔ **2.2**
see DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE TOE:
- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (7.3 - 2)

INSTALLING THE HEEL:
- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly (7.3 - 3)

CHECK FORWARD PRESSURE:
- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (7.3 - 4)
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment..

CAUTION !
Make sure that you do not exceed the back stop when adjusting the sole length backward !

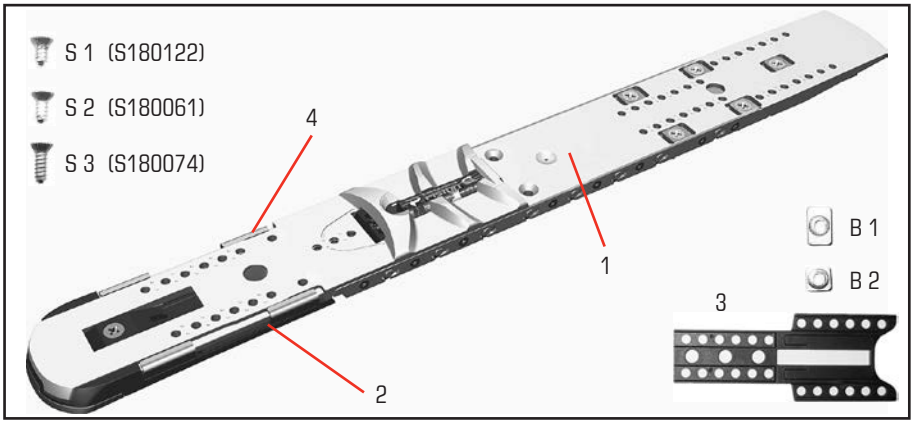
RELEASE VALUE SELECTION AND ADJUSTMENT:

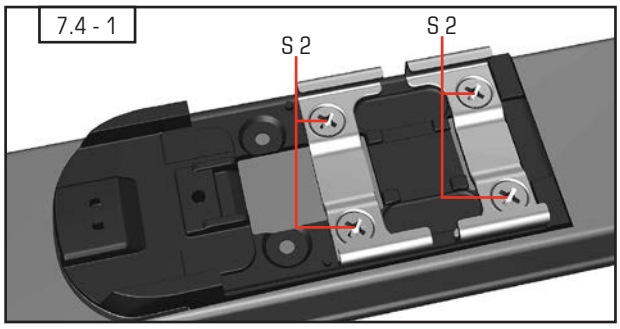
- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

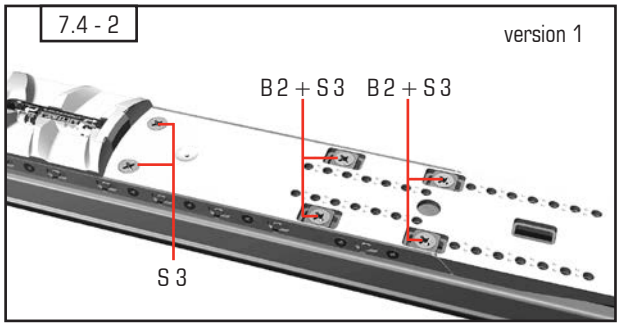
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

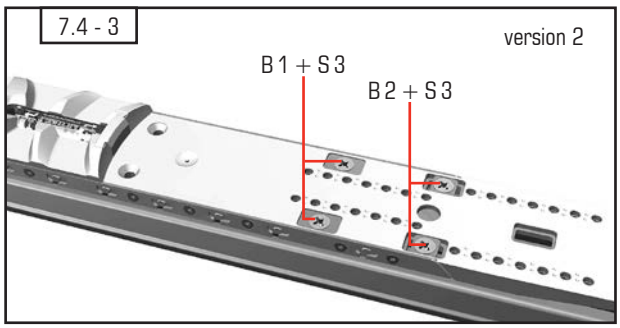
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

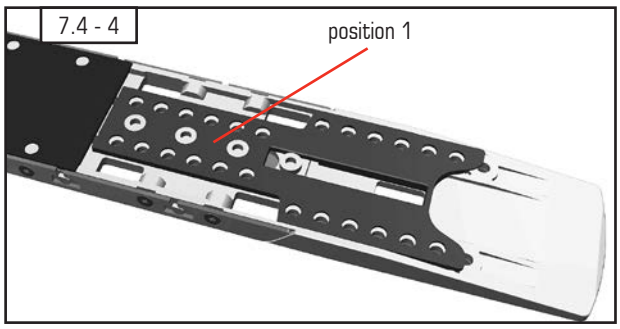
7.4 INSTALLATION OF WORLD CUP PISTON CONTROL INTERFACE











WORLD CUP PISTON CONTROL INTERFACE:

1	World Cup Piston Control plate
2	World Cup Piston Control front plate
3	Flex element
4	Bracket
B 1	Fixed bushing
B 2	Gliding bushing
S 1	Screws for Piston (2 x)
S 2	Screws for front plate (8 x)
S 3	Screws for WCPC plate (14 x)

MOUNTING RECOMMENDATION SL:

Front plate:

- short position (7.4 - 1)

WCPC plate:

- Version 1:
  fixed middle position + 4 gliding heel bushings per plate (7.4 - 2)

or

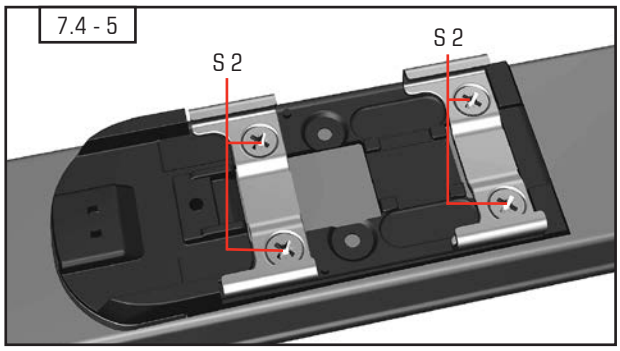
- Version 2:
  2 fixed heel bushings + 2 gliding heel bushings per plate (7.4 - 3)

Flex element:

- Position 1 (7.4 - 4)

7.4 INSTALLATION OF WORLD CUP PISTON CONTROL INTERFACE

7.4 - 5

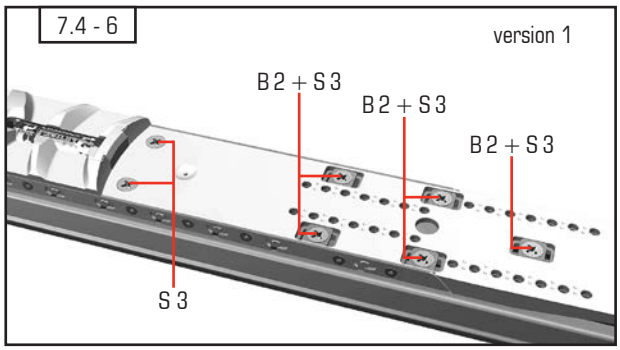


MOUNTING RECOMMENDATION GS / SG / DH:

Front plate:

- Long position (7.4 - 5)

7.4 - 6

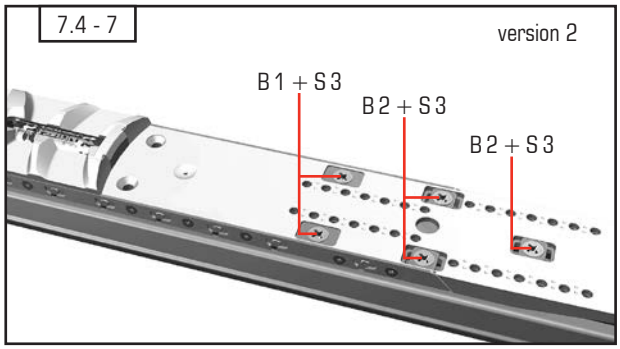


WCPC plate:

- Version 1:
  fixed middle position + 5 gliding heel bushings per plate (7.4 - 6)

or

7.4 - 7

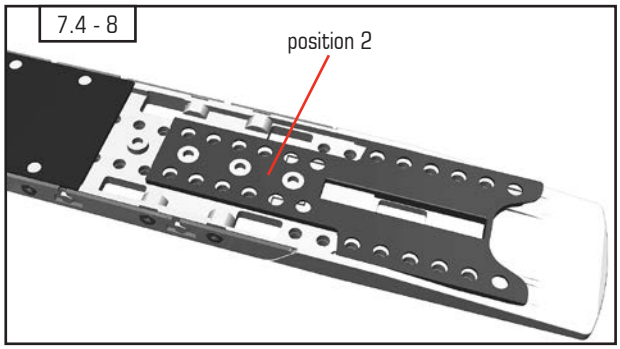


- Version 2:

  2 fixed heel bushings + 3 gliding heel bushings per plate (7.4 - 7)

  For boot sole lengths larger than 325mm 1 additional gliding heel bushings per plate in rear. (7.4 - 7)

7.4 - 8

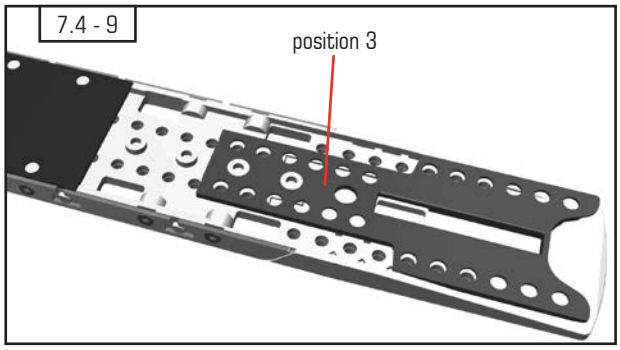


Flex element:

- Position 2 (7.4 - 8)

or

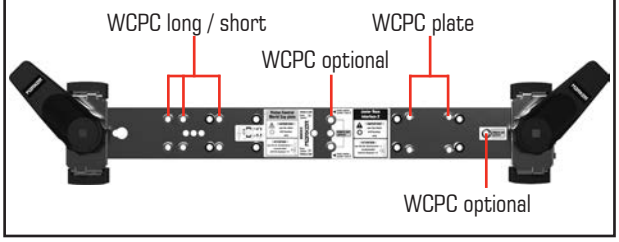
7.4 - 9



- Position 3 for stiffer flex (7.4 - 9)

7.4 INSTALLATION OF WORLD CUP PISTON CONTROL INTERFACE

7.4 - 10

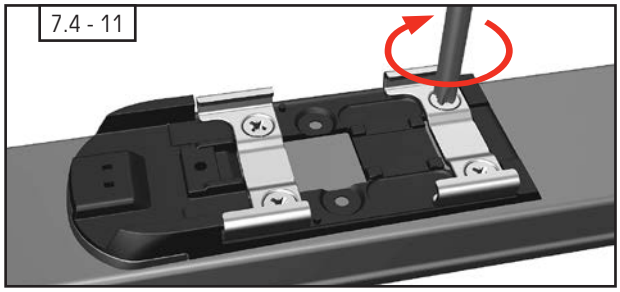


DRILLING THE ATTACHMENT HOLES:

- Place the World Cup Piston Control installation tool W002O1T or W002H1T (7.4 - 10) in the correct position on the ski.
- Drill 4 holes for the front plate for short or long mounting position. (7.4 - 1 or 7.4 - 5)
- Drill the holes for the chosen mounting version of the WCPC plate (7.4 - 2 or 7.4 - 3 for SL; 7.4 - 6 or 7.4 - 7 for GS / SG / DH)
- Remove installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

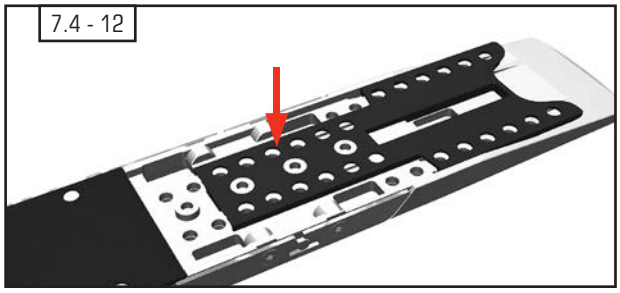
7.4 - 11



INSTALLATION OF THE WORLD CUP PISTON CONTROL FRONT PLATE:

- Install the World Cup Piston Control front plate using the 4 provided screws. (7.4 - 11)

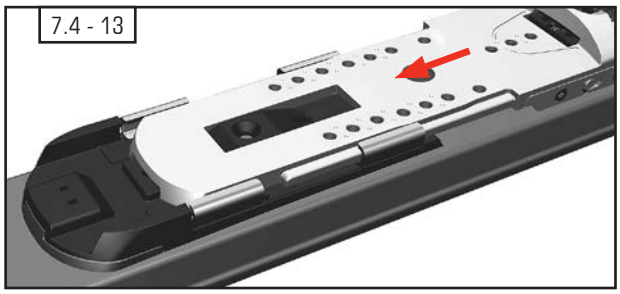
7.4 - 12



INSTALLATION OF THE WORLD CUP PISTON CONTROL PLATE:

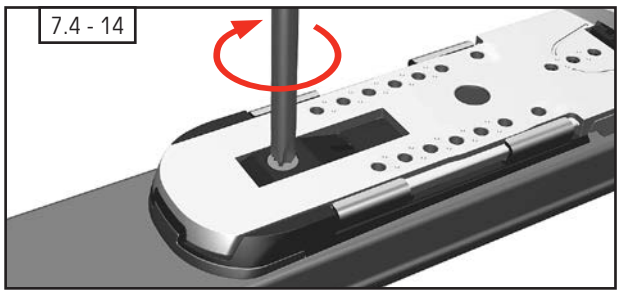
- Insert the Flex element at the chosen position SL or GS / SG / DH (7.4 - 12)

7.4 - 13



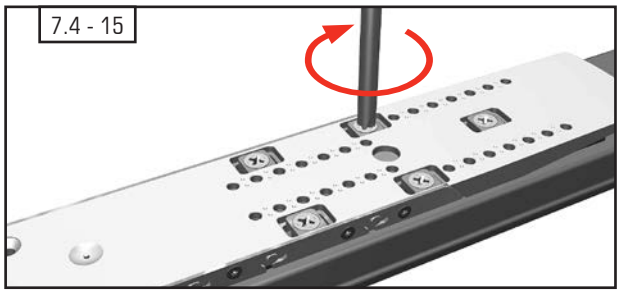
- Insert and slide the World Cup Piston Control plate into installed front plate. (7.4 - 13)

7.4 - 14



- Connect the World Cup Piston Control plate to the front plate using the front screw. (7.4 - 14)

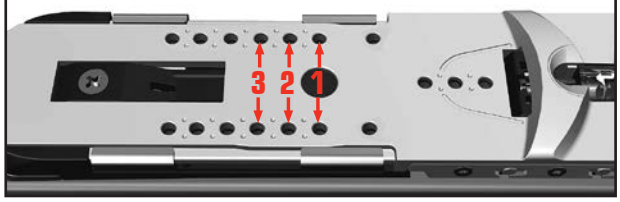
7.4 - 15



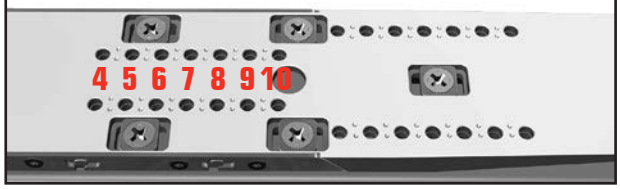
- Insert the bushings and the screws for the chosen mounting version, tighten the rear screws in the pre - drilled mounting holes. (7.4 - 15)

7.4 INSTALLATION OF MARKER WORLD CUP PISTON CONTROL INTERFACE

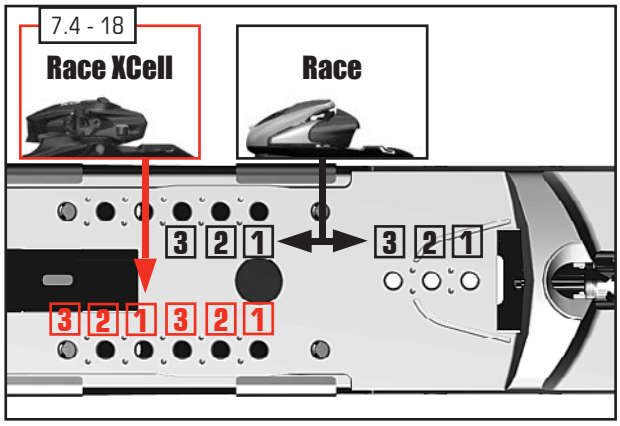
7.4 - 16



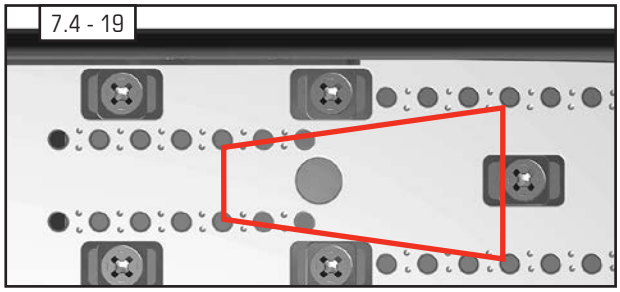
7.4 - 17



7.4 - 18



7.4 - 19



INSTALLATION OF EPS BINDINGS:

REMARK:
See: INSTALLATION OF RACE XCELL AND RACE BINDINGS
➔ **7.1 / 7.2**

BOOT SIZE BINDING POSITION: (7.4 - 16 and 7.4 - 17)

Toe: (7.4 - 16)

1: 260 mm - 330 mm
2: 331 mm - 340 mm
3: 341 mm - 355 mm

Heel: w/ toe in position 1 (7.4 - 17)

4: 260 mm - 269 mm
5: 270 mm - 279 mm
6: 280 mm - 289 mm
7: 290 mm - 299 mm
8: 300 mm - 309 mm
9: 310 mm - 319 mm
10: 320 mm - 330 mm

BINDING SCREW POSITION:

TOE: (7.4 - 18)

Race Xcell models:

Race XCell toes use the screw hole positions numbered in red. Mount the two forward toe fixation screws for the front mounting plate 3 sole-length holes forward of the identified sole-length scale. Slide the toe onto the front mounting plate and affix the two rear screws in the correctly identified sole-length holes. (7.4 - 18)

Race toes use the screw hole positons numbered in Black.

HEEL: (7.4 - 19)

All Race XCell and Comp Heels use the same heel screw hole postions.

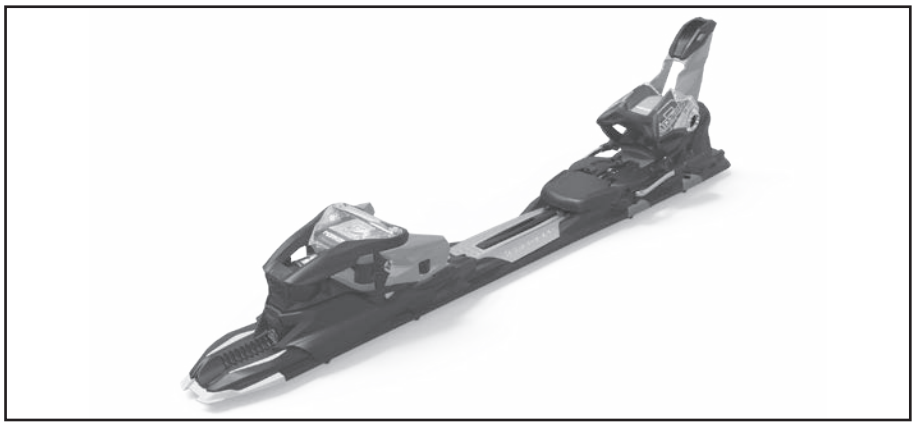
REMARK:
For mounting the "World Cup PC Interface 14 mm" the enclosed mounting instruction 820223 B is valid. When mounting the binding onto the plate please take note of the advice concerning the correct screw choice !

SCREW CHART FOR SPACERS

Toe	Comp 20		Heel	Comp 20	
					
+ 2 mm	180154 (5.5 x 20.5)	180154 (5.5 x 20.5)	+ 2 mm	180074 (5.5 x 17.5)	inline screw
+ 4 mm	180154 (5.5 x 20.5)	180154 (5.5 x 20.5)	+ 4 mm	180074 (5.5 x 17.5)	180182 (5.5 x 28.0)

Toe	Race XCell		Heel	Race XCell	
					
+ 2 mm	180171 (5.5 x 14.0)	180154 (5.5 x 20.5)	+ 2 mm	180074 (5.5 x 17.5)	inline screw
+ 4 mm	180171 (5.5 x 14.0)	180154 (5.5 x 20.5)	+ 4 mm	180074 (5.5 x 17.5)	180182 (5.5 x 28.0)

8.1 INSTALLATION OF rMOTION2 GRIPWALK MODELS

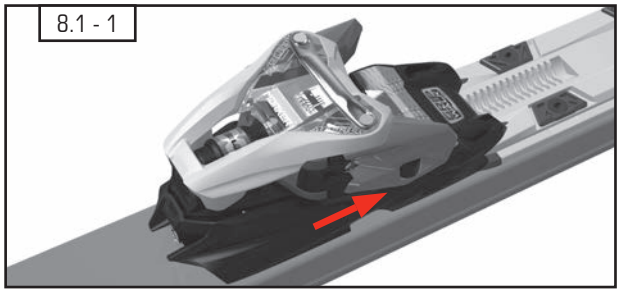


REMARK:
The binding models rMotion2 GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

IMPORTANT !
rMotion2 GRIPWALK models are designed to mount only in conjunction with Völkl skis with premounted rMotion2 plate system.

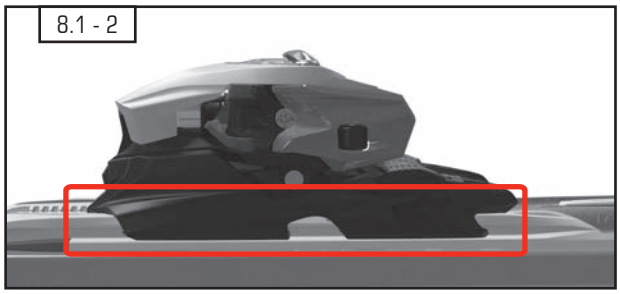
8.1 - 1



INSTALLING THE TOE:

- Slide the toe piece from the front onto the plate. Slide the toe backward until it stops (8.1 - 1).

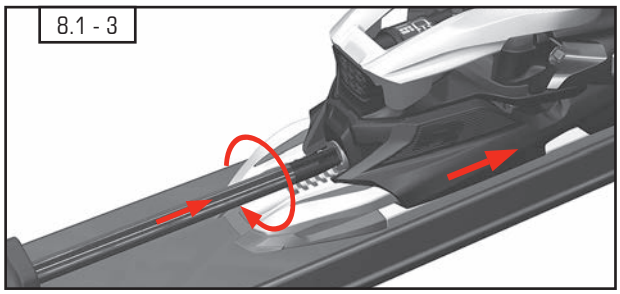
8.1 - 2



CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly. (8.1 - 2)

- With slight pressure, screw the toe piece backwards onto the plate. (8.1 - 3)

8.1 - 3

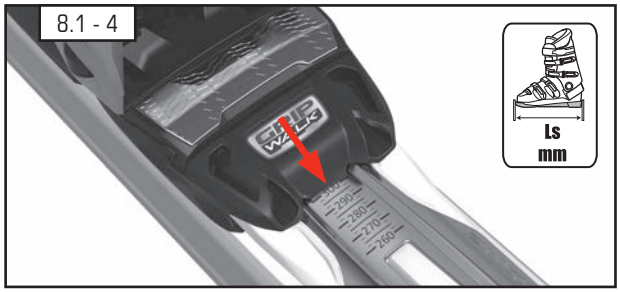


SOLE LENGTH ADJUSTMENT:

- Adjust the toe to the correct sole length in accordance with the sole length scale. (8.1 - 4)

IMPORTANT SAFETY ADVICE !
Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length in forward direction ! (8.1 - 5)

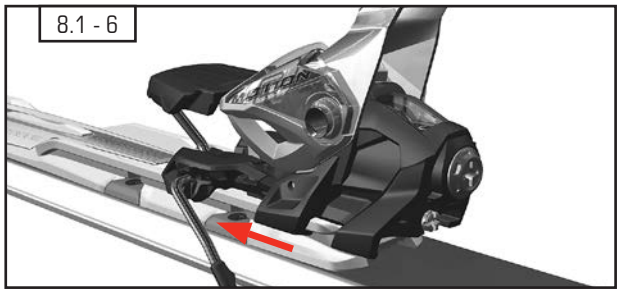
8.1 - 4



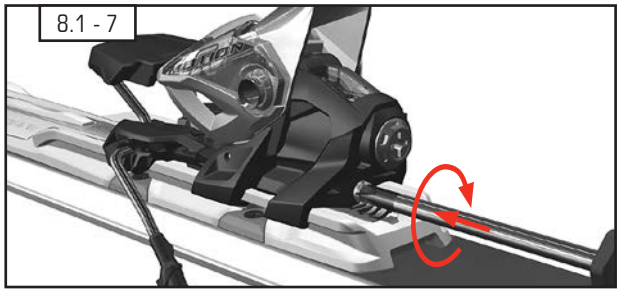
8.1 - 5

8.1 INSTALLATION OF rMOTION2 GRIPWALK MODELS

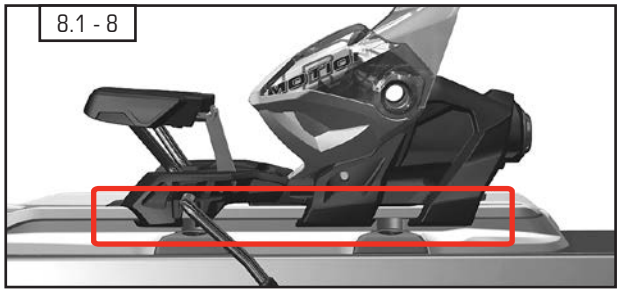
8.1 - 6



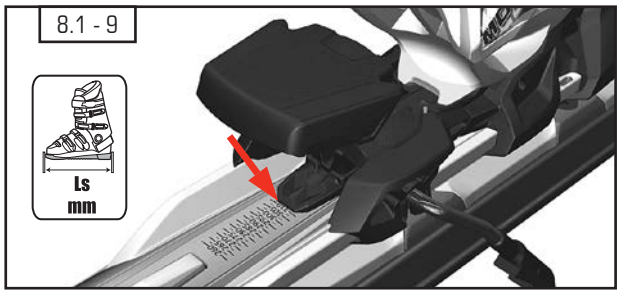
8.1 - 7



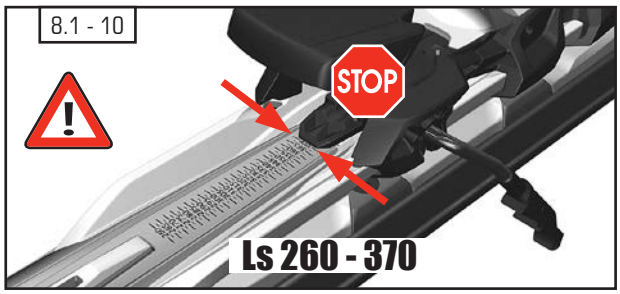
8.1 - 8



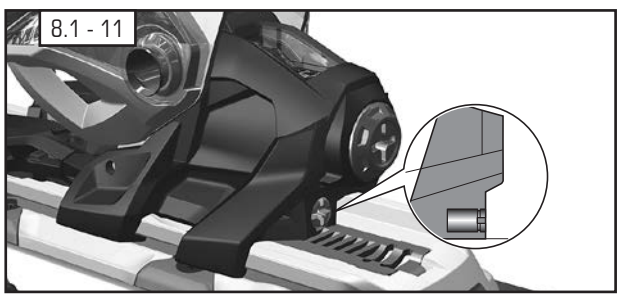
8.1 - 9



8.1 - 10



8.1 - 11



INSTALLING THE HEEL:

- Slide the heel from the rear of the plate forward until it stops (8.1 - 6).
- With slight pressure, screw the heel forward onto the plate by turning the forward pressure adjustment screw (8.1 - 7).

CAUTION !
Ensure that the heel is fully and uniformly sliding onto the plate (8.1 - 8).

SOLE LENGTH ADJUSTMENT:

- Screw the heel to the correct sole length in accordance with the sole length scale (8.1 - 9).

IMPORTANT SAFETY ADVICE !
Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length backward ! (8.1 - 10)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (8.1 - 11).
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

8.2 WIDERIDE XL FR DEMO GRIPWALK & WIDERIDE XL TCX DEMO GRIPWALK

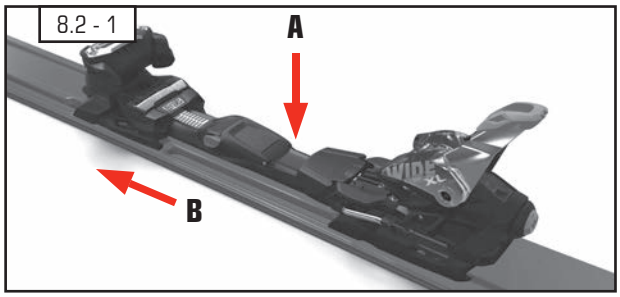
REMARK:
The binding models Wideride XL GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

CAUTION !
Wideride XL Demo GRIPWALK models are designed to mount only in conjunction with VÖLKL skis RTM 86, RTM 84, RTM 81, RTM 81 Carbon and Flair 81 Carbon.

REMARK:
For installation of the binding the sole length has to be adjusted to Ls = 328 mm.

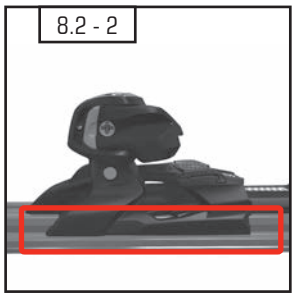
8.2 - 1



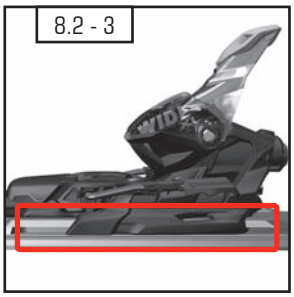
- Install the complete binding with the pre- installed toe and heel into the notches of the attachment. Slide the binding toward the ski tip until it stops. (8.2 - 1)

CAUTION !
Check that the binding is fully and uniformly installed in the attachments (8.2 - 2 and 8.2 - 3)

8.2 - 2

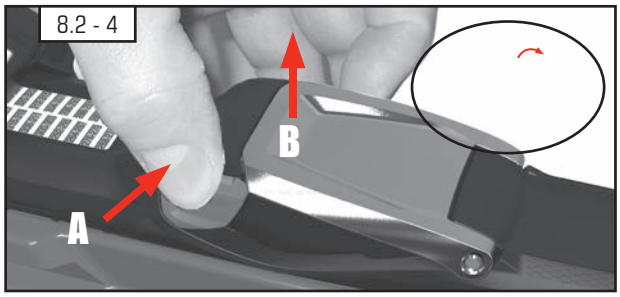


8.2 - 3



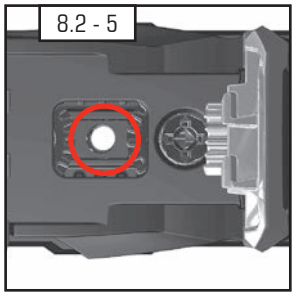
- Push the opening block [A], then lift the sole length fixation lever [B]. (8.2 - 4)
- The hole of the middle plate has to be aligned with the bushing of the ski. (8.2 - 5)
- Position the center fixation screw (8.2 - 6).
  With light downward pressure, tighten the screw by hand with a maximum torque of 3.0 Nm. (8.2 - 7)

8.2 - 4

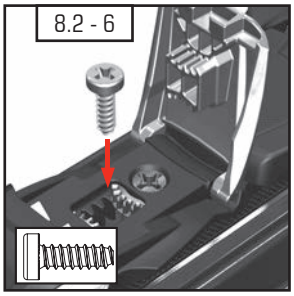


IMPORTANT !
Ensure correct screw choice: using the wrong center fixing screw can irreparably damage the bushing of the ski !

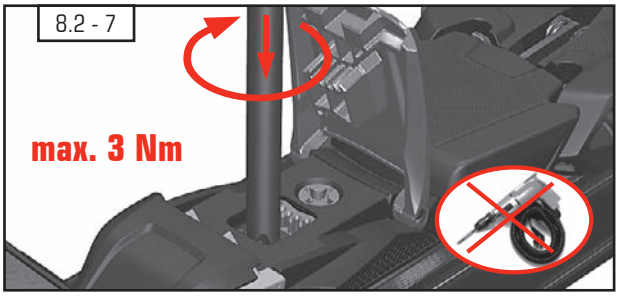
8.2 - 5



8.2 - 6

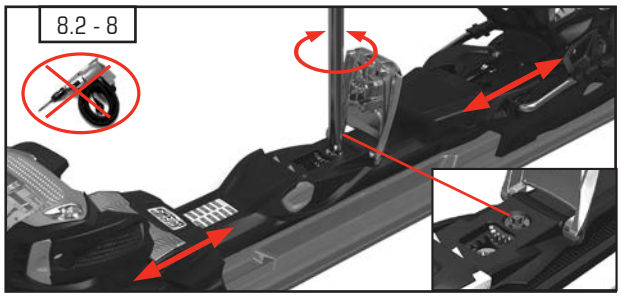


8.2 - 7



8.2 WIDERIDE XL FR DEMO GRIPWALK & WIDERIDE XL TCX DEMO GRIPWALK

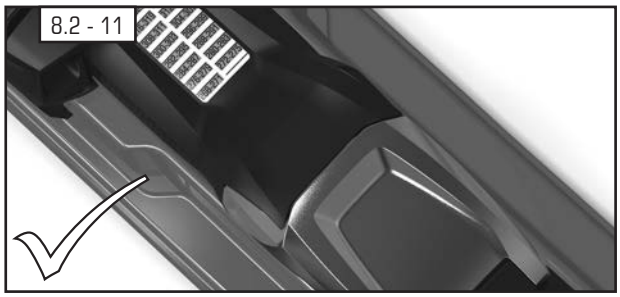
8.2 - 8



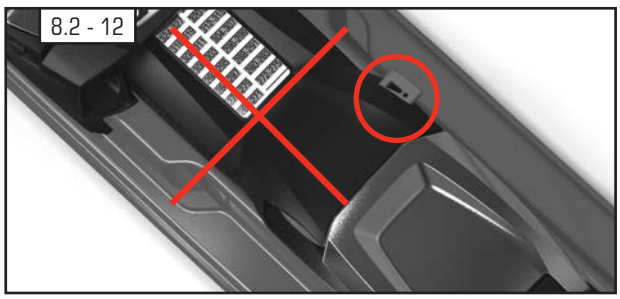
8.2 - 9

8.2 - 10

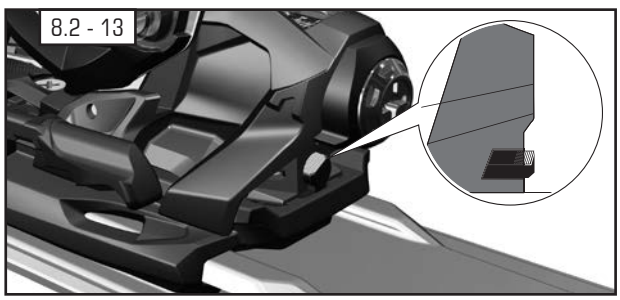
8.2 - 11



8.2 - 12



8.2 - 13



SOLE LENGTH ADJUSTMENT:

- Adjust the sole length either by hand by shifting the binding to the corresponding markings on the scale or by turning the sole length adjustment screw with the appropriate screwdriver. (Use a Pozidriv® 3 screwdriver)
  (8.2 - 8 and (8.2 - 9)

- Lock the system by closing the sole length fixation lever.
  (8.2 - 10)

CAUTION !
The sole length fixation lever must not be pressed down with effort, but is correctly aligned with the locking teeth when it closes easily.

CAUTION !
Visually check locking mechanism: when locking the system the opening lever has to snap into the basic position. (8.2 - 11)
The warning symbol on the right side of the opening lever must not be visible ! (8.2 - 12)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it.
- Correct forward pressure:
  With the boot in the system the forward pressure is correct when any portion of the white scribe mark on the forward pressure indicator is flush with the back edge of the heel housing. (8.2 - 13).
  If the forward pressure is incorrect: remove the ski boot and re-adjust the boot sole length until the forward pressure is correct.

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

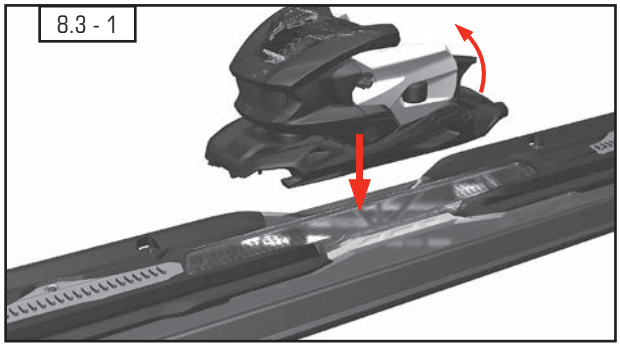
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

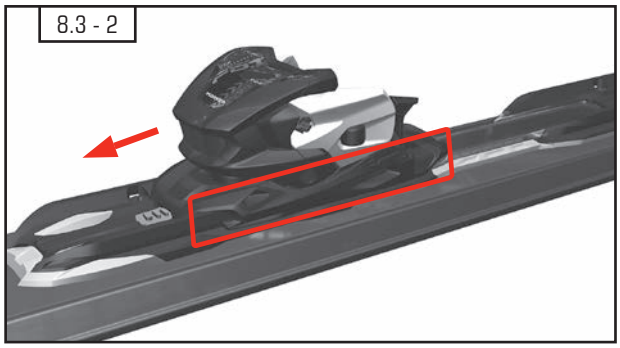
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

8.3 INSTALLATION OF VMOTION GRIPWALK

8.3 - 1

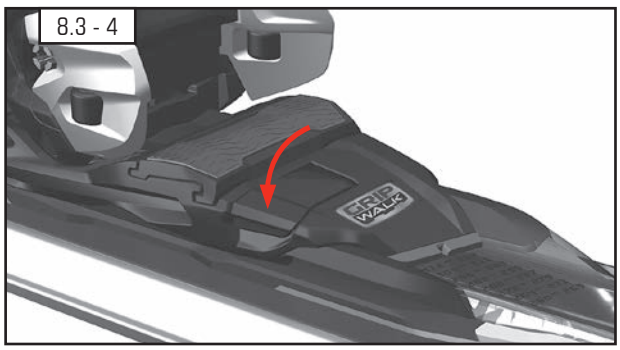


8.3 - 2



8.3 - 3

8.3 - 4



IMPORTANT !
VMotion GRIPWALK bindings are designed to mount only in conjunction with Völkl skis with premounted VMotion plate system.

REMARK:
The binding models VMotion GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

INSTALLING THE TOE:

- Open the locking lever and slide the toe from the center of the plate forward. (8.3 - 1 & 8.3 - 2)

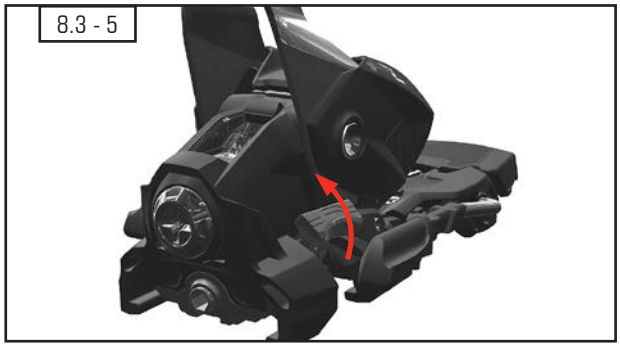
CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly.

- Slide the toe to the correct sole length in accordance with the front sole length scale. (8.3 - 3)

- Close the toe locking lever. (8.3 - 4)

8.3 INSTALLATION OF VMOTION GRIPWALK

8.3 - 5

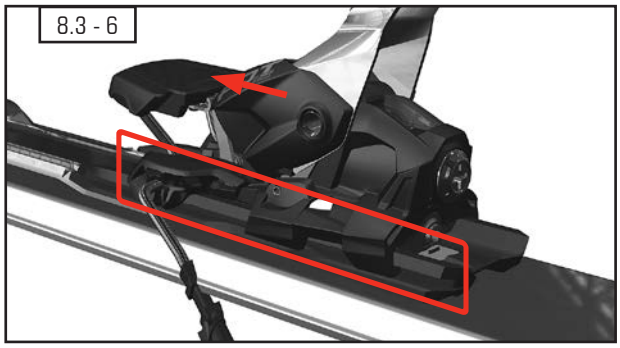


INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the rear. (8.3 - 5)
- Slide the heel forward. (8.3 - 6)

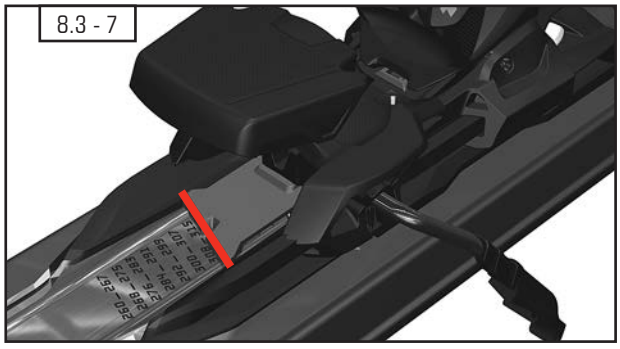
CAUTION !
Ensure that the rails of the heel engage both sides of the base plate properly.

8.3 - 6



- Slide the heel to the correct sole length in accordance with the rear sole length scale. (8.3 - 7)
- Close the heel locking lever. (8.3 - 8)

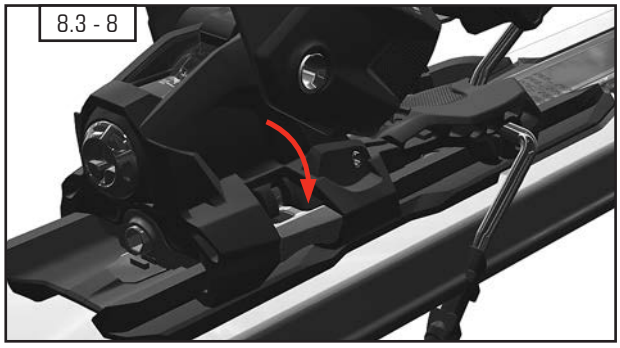
8.3 - 7



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the forward pressure is correct when the imprinted line on the forward pressure indicator is visible in the cutout of the heel housing. (8.3 - 9)
  If the forward pressure indicator line is not visible:
  remove the ski boot and readjust the boot sole length until the forward pressure indicator line is visible in the cutout.

8.3 - 8



RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

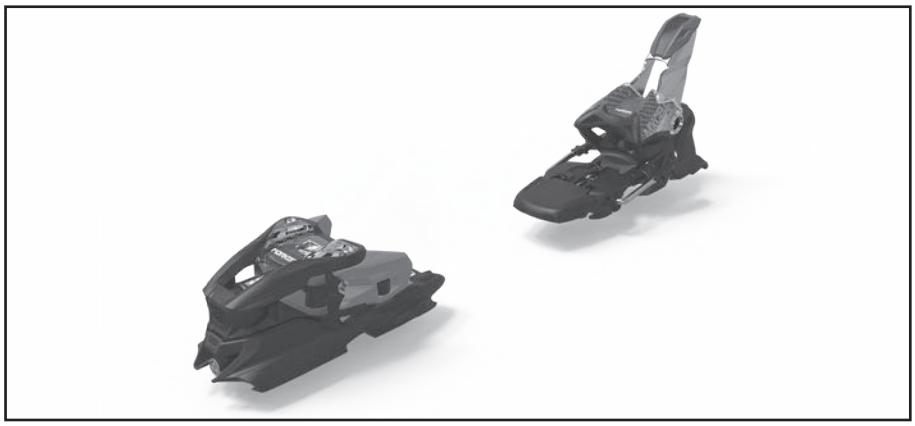
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

8.3 - 9

CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

9.1 INSTALLATION OF MARKER / K 2 MXCELL TCX D GRIPWALK MODELS/

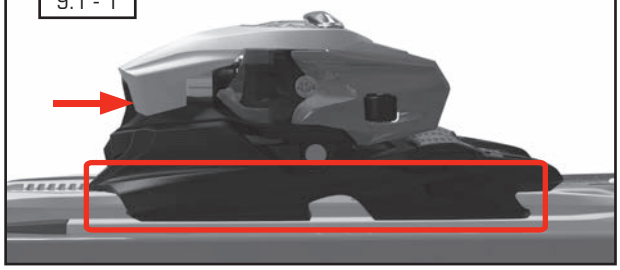


REMARK:
The binding models MXCELL TCx Demo GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

IMPORTANT !
MXCELL TCx Demo GRIPWALK models are designed to mount only in conjunction with K 2 skis with premounted plate system.
The suitable ski models are listed on the set label or can be requested from K 2.

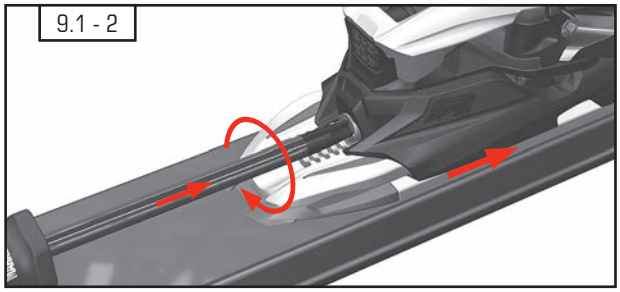
9.1 - 1



INSTALLING THE TOE:

- Slide the toe piece from the front onto the plate. Slide the toe backward until it stops (9.1 - 1).

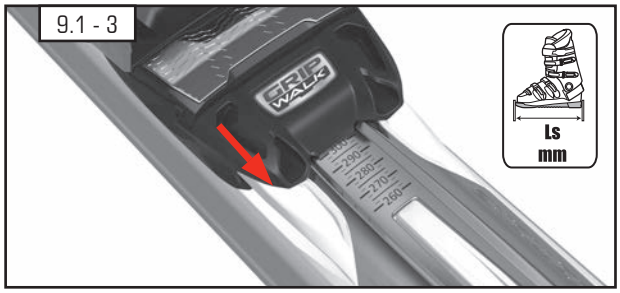
9.1 - 2



CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly. (9.1 - 1)

- With slight pressure, screw the toe piece backwards onto the plate. (9.1 - 2)

9.1 - 3



SOLE LENGTH ADJUSTMENT:

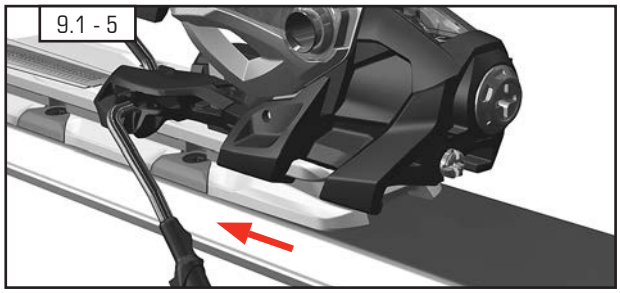
- Adjust the toe to the correct sole length in accordance with the sole length scale. (9.1 - 3)

9.1 - 4

IMPORTANT SAFETY ADVICE !
Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length in forward direction ! (9.1 - 4)

9.1 INSTALLATION OF MARKER / K 2 MXCELL TCX D GRIPWALK MODELS

9.1 - 5

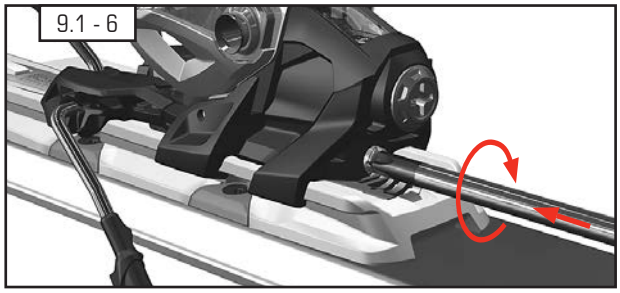


INSTALLING THE HEEL:

- Slide the heel from the rear of the plate forward until it stops (9.1 - 5).

- With slight pressure, screw the heel forward onto the plate by turning the forward pressure adjustment screw (9.1 - 6).

9.1 - 6

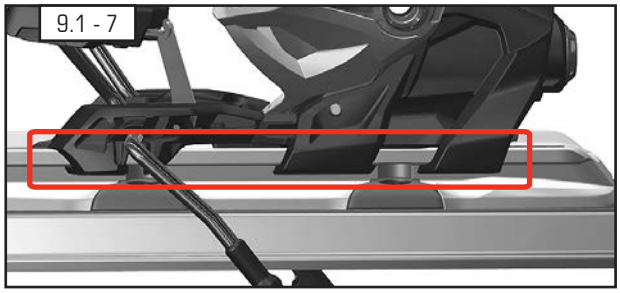


CAUTION !
Ensure that the heel is fully and uniformly sliding onto the plate (9.1 - 7).

SOLE LENGTH ADJUSTMENT:

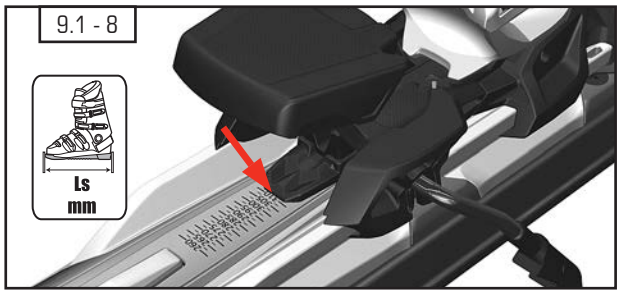
- Screw the heel to the correct sole length in accordance with the sole length scale (9.1 - 8).

9.1 - 7



IMPORTANT SAFETY ADVICE !
Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length backward ! (9.1 - 9)

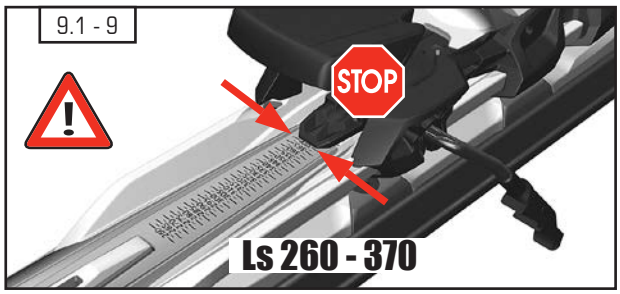
9.1 - 8



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (9.1 - 10).
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

9.1 - 9



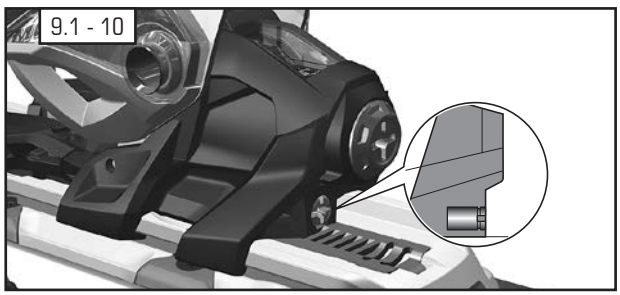
RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

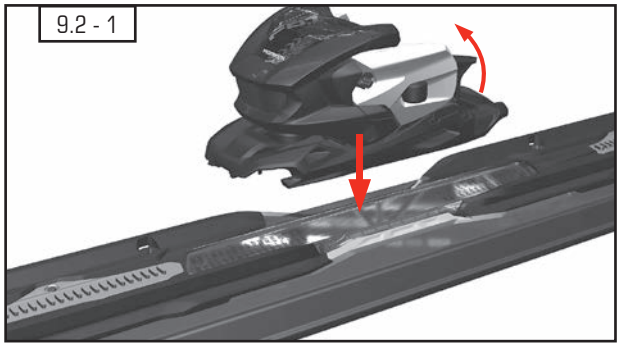
9.1 - 10



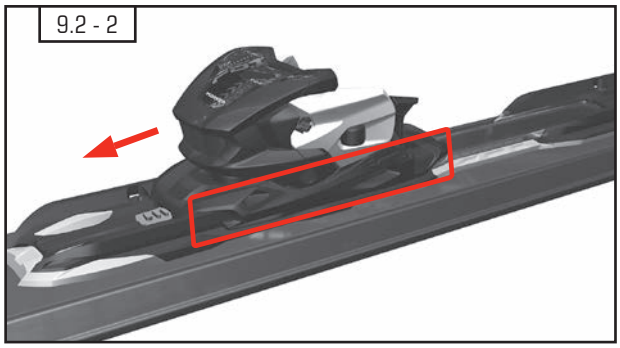
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

9.2 INSTALLATION OF MARKER / K 2 QUIKCLIK GRIPWALK MODELS

9.2 - 1

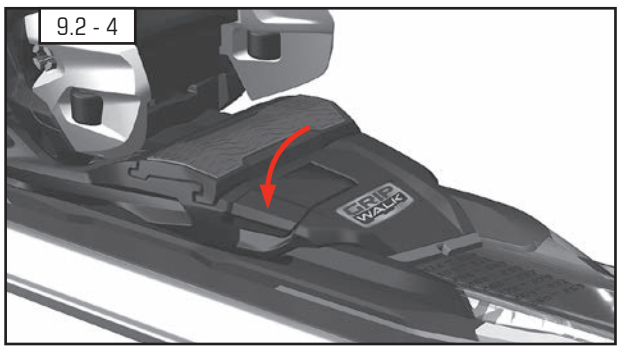


9.2 - 2



9.2 - 3

9.2 - 4



IMPORTANT !
Marker / K 2 Quikclik bindings are designed to mount only in conjunction with K 2 skis with premounted Quikclik plate system. The suitable ski models are listed on the set label or can be requested from K 2.

REMARK:
This mounting instruction is valid for the MARKER / K 2 models MXCELL TCx QuikClic, MXC TCx QuikClik, MCX TCx light QuikClik, M3 TCX light QuikClik, ERC TCx light QuikClik, M3 QuikClik, ER3 QuikClik, M2 QuikClik, Free Ten Quikclik and ERP QuikClik.

REMARK:
The binding models K 2 Quikclik GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

INSTALLING THE TOE:

- Open the locking lever and slide the toe from the center of the plate forward. (9.2 - 1 & 9.2 - 2)

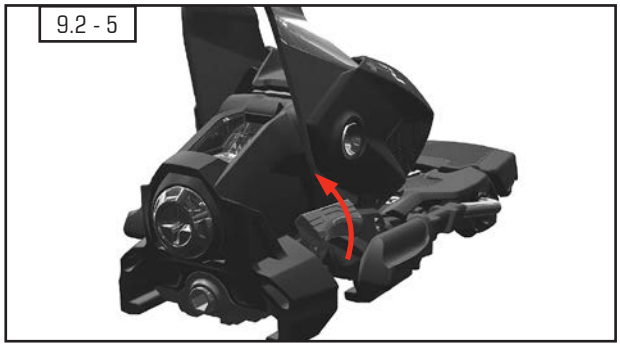
CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly.

- Slide the toe to the correct sole length in accordance with the front sole length scale. (9.2 - 3)

- Close the toe locking lever. (9.2 - 4)

9.2 INSTALLATION OF MARKER / K 2 QUIKCLIK GRIPWALK MODELS

9.2 - 5

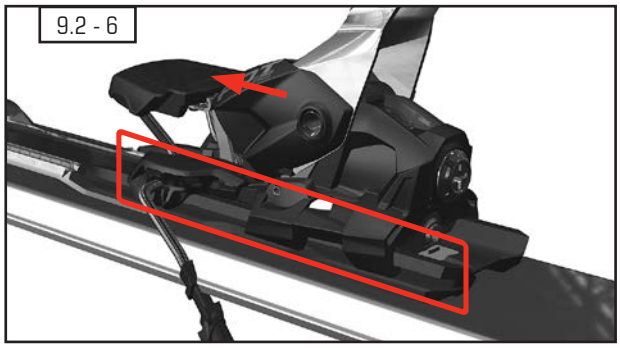


INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the rear. (9.2 - 5)
- Slide the heel forward. (9.2 - 6)

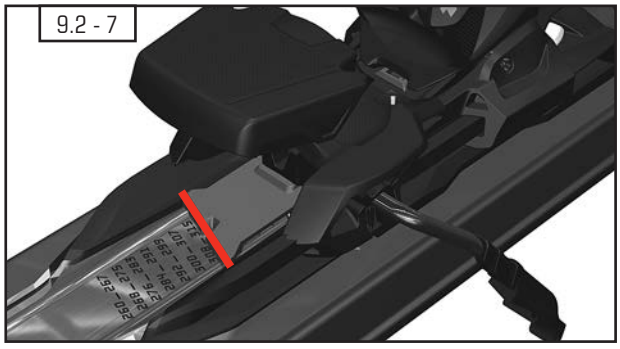
CAUTION !
Ensure that the rails of the heel engage both sides of the base plate properly.

9.2 - 6



- Slide the heel to the correct sole length in accordance with the rear sole length scale. (9.2 - 7)
- Close the heel locking lever. (9.2 - 8)

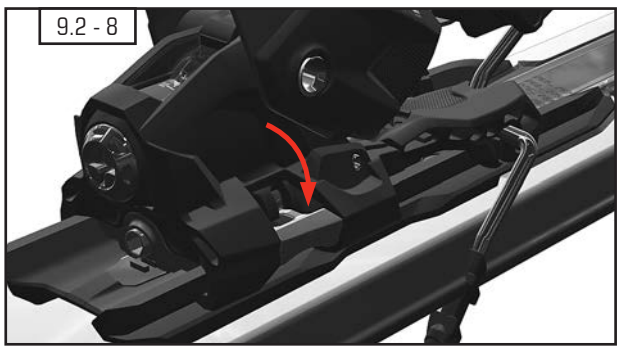
9.2 - 7



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the forward pressure is correct when the imprinted line on the forward pressure indicator is visible in the cutout of the heel housing. (9.2 - 9)
  If the forward pressure indicator line is not visible:
  remove the ski boot and readjust the boot sole length until the forward pressure indicator line is visible in the cutout.

9.2 - 8



RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

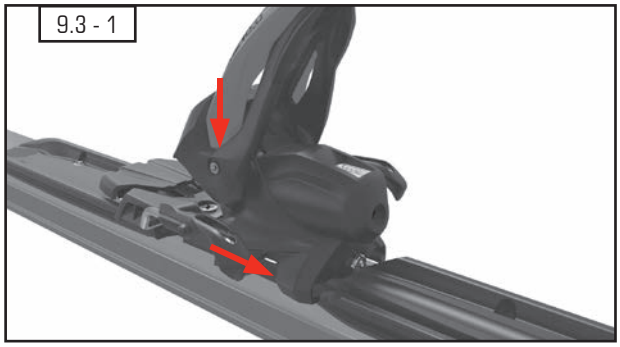
REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

9.2 - 9

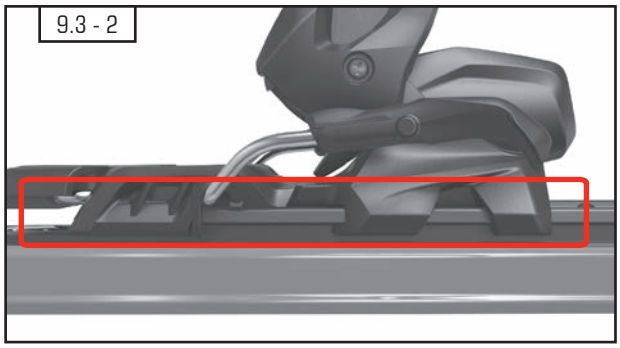
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

9.3 INSTALLATION OF M2 / ERP GRIPWALK MODELS

9.3 - 1

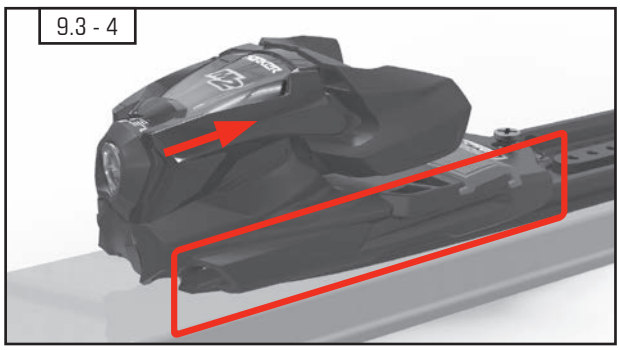


9.3 - 2



9.3 - 3

9.3 - 4



IMPORTANT !

M2 / ERP bindings are designed to mount only in conjunction with K 2 M2 / ERP skis.
The suitable ski models are listed on the set label or can be requested from K 2.

REMARK:

The binding models M2 / ERP GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

INSTALLING THE HEEL:

- Slide the heel from the center of the plate backward until it stops. (9.3 - 1)

CAUTION !

Make sure that the spacer rails engage both sides of the base plate properly. (9.3 - 2)

- Move the heel backwards by turning the forward pressure adjustment screw. (9.3 - 3)

INSTALLING THE TOE:

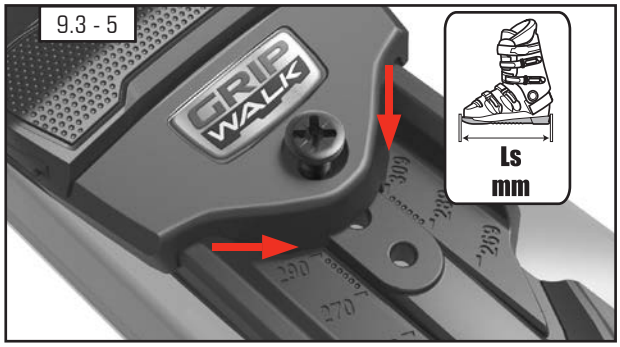
- Ensure that the fixation screw tips do not exceed the bottom side of the spacer.
- Slide the toe onto the plate, starting from the front. (9.3 - 4)

CAUTION !

Make sure that the spacer rails engage both sides of the base plate properly. (9.3 - 4)

9.3 INSTALLATION OF M2 / ERP GRIPWALK MODELS

9.3 - 5



SOLE LENGTH ADJUSTMENT:

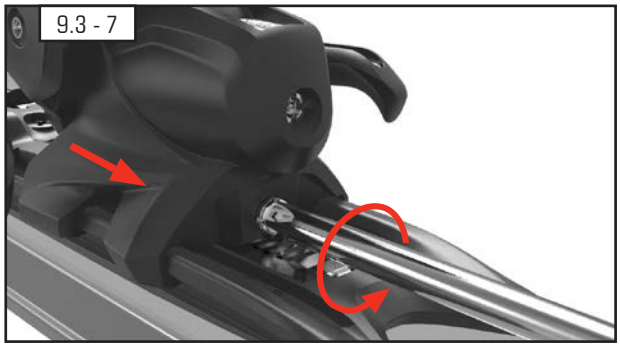
- Slide the toe backward and adjust the sole length in accordance with the sole length scale. The screw hole of the toe spacer has to be aligned with the hole of the plate. (9.3 - 5).

9.3 - 6

- Tighten the fixing screws by hand with a torque of 5.0 ± 0.5 Nm. (9.3 - 6)

- Screw the heel backward to the correct sole length in accordance with the sole length scale.
  Indicator: left back edge of the heel housing. (9.3 - 7 / 9.3 - 8)

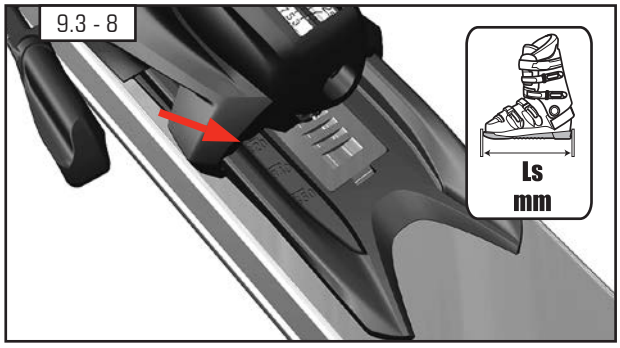
9.3 - 7



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (9.3 - 9).
  If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.
- Remove the ski boot, then re - insert it into the binding and re-check the adjustment.

9.3 - 8

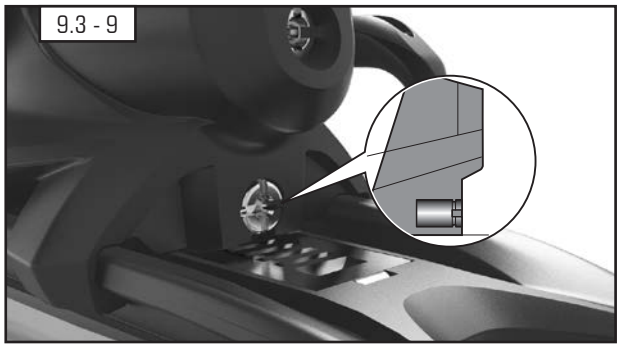


RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

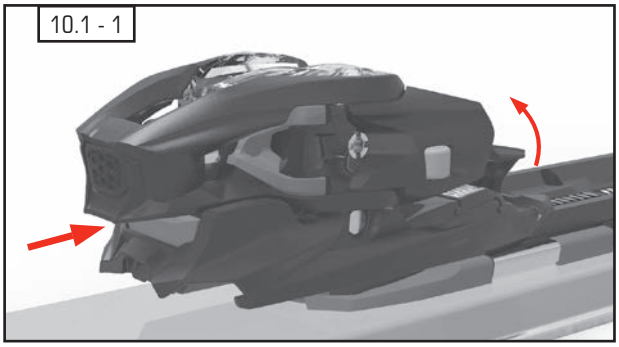
9.3 - 9



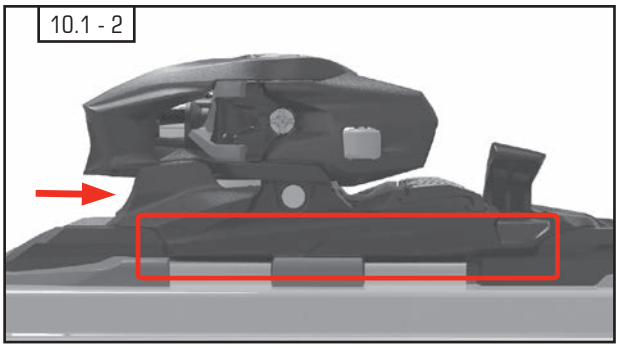
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

10.1 INSTALLATION OF MARKER / NORDICA FDT GRIPWALK MODELS

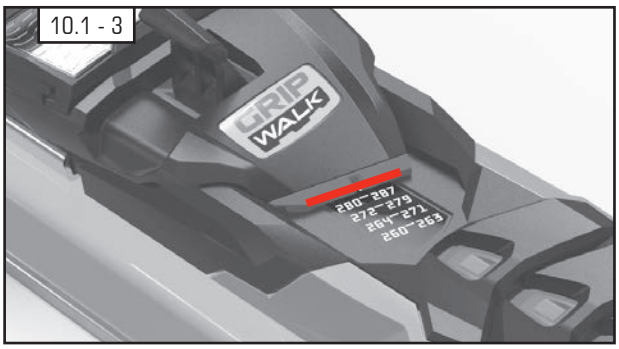
10.1 - 1



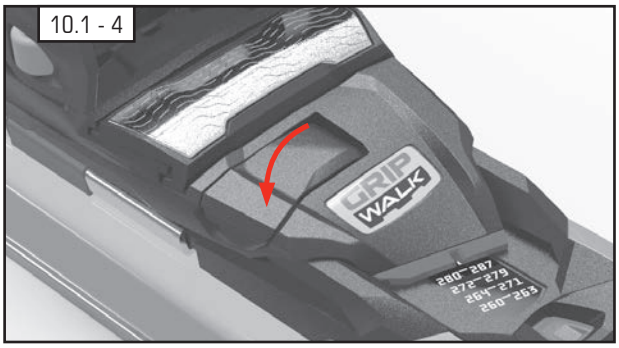
10.1 - 2



10.1 - 3



10.1 - 4



IMPORTANT !
Nordica FDT bindings are designed to mount only in conjunction with Nordica skis with premounted plate system. The suitable ski models are listed on the set label or can be requested from Nordica.

REMARK:
The binding models Xcell FDT, TPX FDT, TP2 light FDT, TP light FDT, TP2 Compact FDT, TP Compact FDT, TLT FDT and Free FDT GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

INSTALLING THE TOE:

- Open the locking lever and slide the toe piece from the front onto the plate. (10.1 - 1 & 10.1 - 2)

REMARK:
When mounting the binding models on the FDT Demo / FDT RTL plate systems slide the toe piece from the center onto the plate.

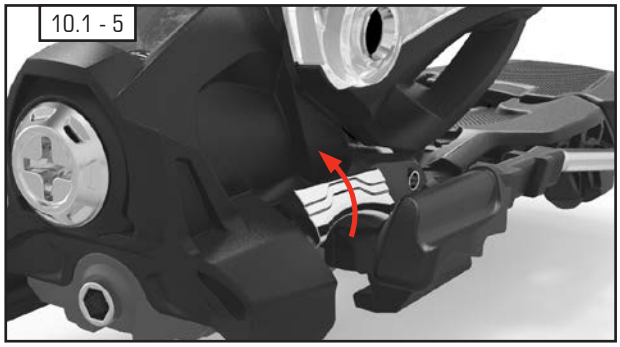
CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly.

- Slide the toe to the correct sole length in accordance with the front sole length scale. (10.1 - 3)

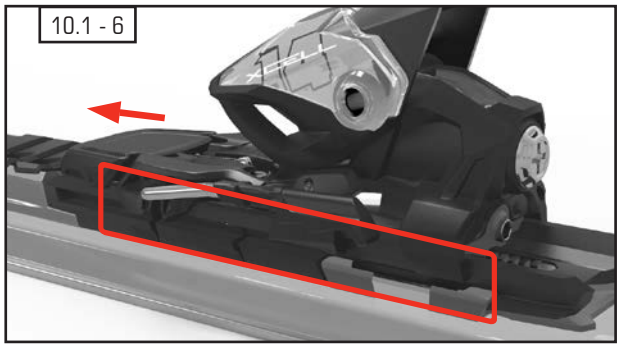
- Close the toe locking lever. (10.1 - 4)

10.1 INSTALLATION OF MARKER / NORDICA FDT GRIPWALK MODELS

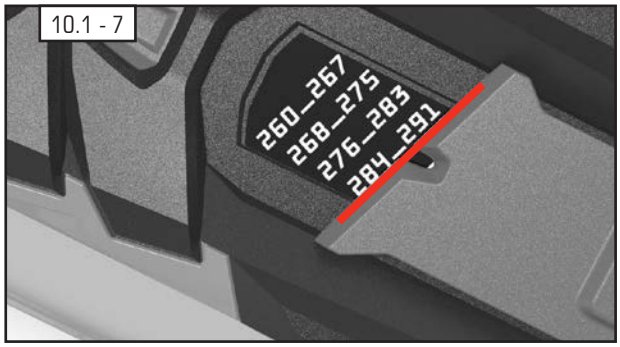
10.1 - 5



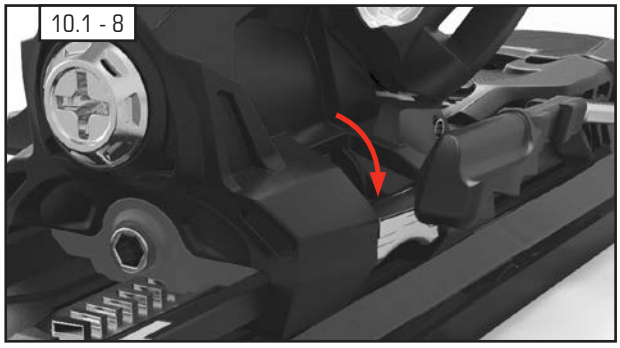
10.1 - 6



10.1 - 7



10.1 - 8



10.1 - 9

INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the rear. (10.1 - 5)
- Slide the heel forward. (10.1 - 6)

CAUTION !
Ensure that the rails of the heel engage both sides of the base plate properly.

- Slide the heel to the correct sole length in accordance with the rear sole length scale. (10.1 - 7)
- Close the heel locking lever. (10.1 - 8)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the forward pressure is correct when the imprinted line on the forward pressure indicator is visible in the cutout of the heel housing. (10.1 - 9)
  If the forward pressure indicator line is not visible:
  remove the ski boot and readjust the boot sole length until the forward pressure indicator line is visible in the cutout.

RELEASE VALUE SELECTION AND ADJUSTMENT:

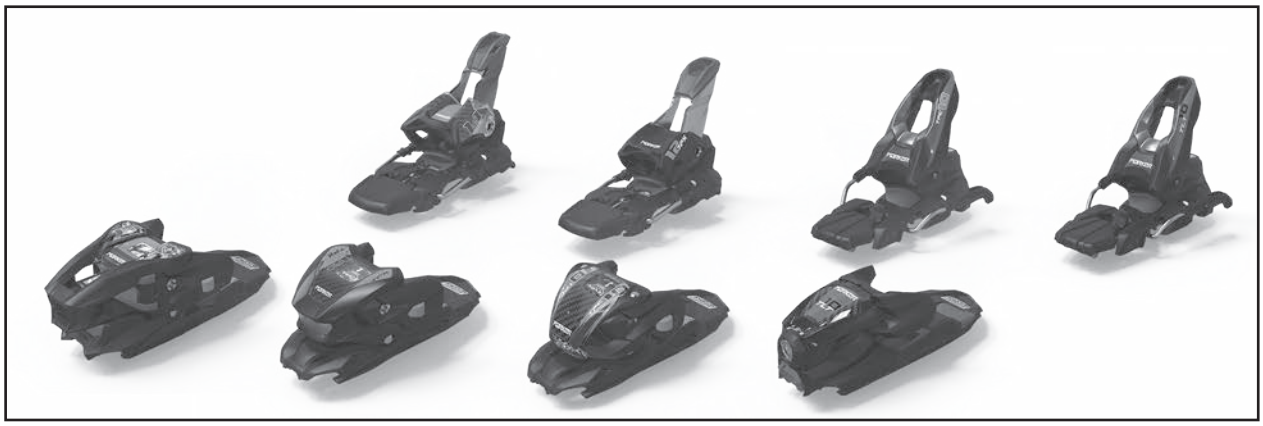
- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

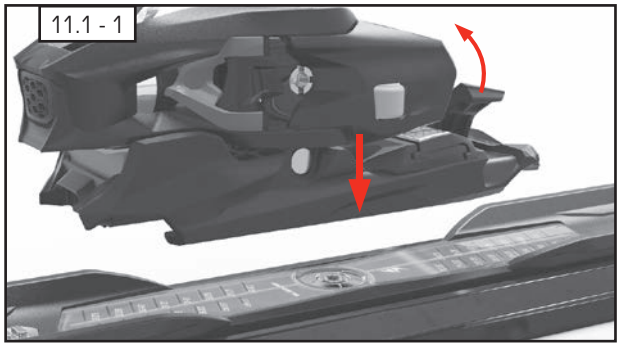
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

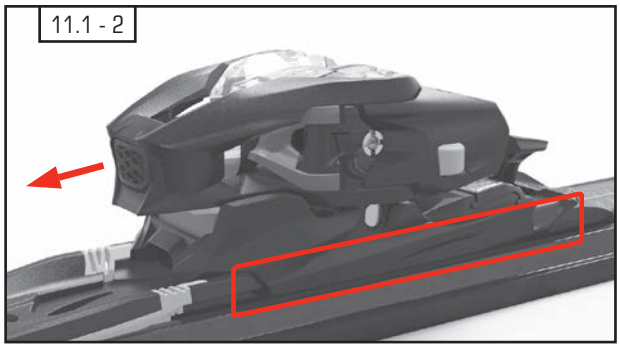
REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

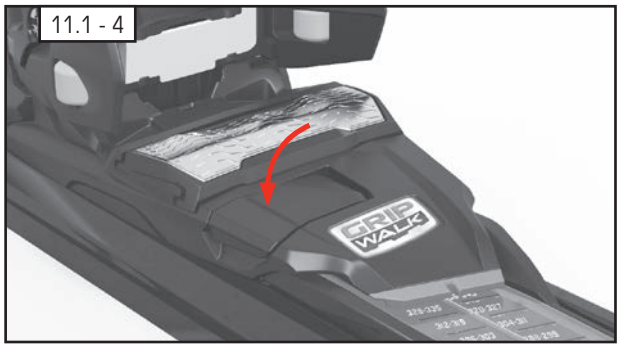
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

11.1 INSTALLATION OF MARKER / BLIZZARD DEMO (FDT GRIPWALK) MODELS









IMPORTANT !
Xcell Demo, TPX Demo, TLX Demo, TCX Demo, TLT Demo and TPC Demo bindings are designed to mount only in conjunction with Blizzard skis with premounted plate system. The suitable ski models are listed on the set label or can be requested from Blizzard.

REMARK:
The binding models Xcell Demo, TPX Demo, TLX Demo, TCX Demo, TLT Demo and TPC Demo GRIPWALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

INSTALLING THE TOE:

- Open the locking lever and slide the toe from the center of the plate forward. (11.1 - 1 & 11.1 - 2)

REMARK:
When mounting the binding models on the FDT Race plate system slide the toe piece from the front onto the plate.

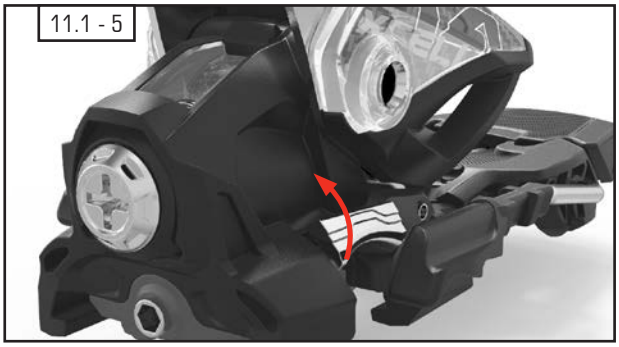
CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly.

- Slide the toe to the correct sole length in accordance with the front sole length scale. (11.1 - 3)

- Close the toe locking lever. (11.1 - 4)

11.1 INSTALLATION OF MARKER / BLIZZARD DEMO (FDT GRIPWALK) MODELS

11.1 - 5

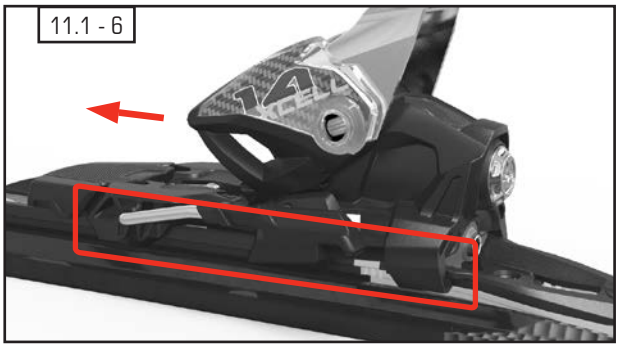


INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the rear. (11.1 - 5)
- Slide the heel forward. (11.1 - 6)

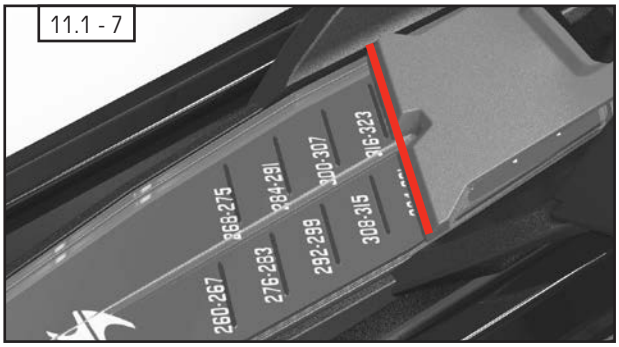
CAUTION !
Ensure that the rails of the heel engage both sides of the base plate properly.

11.1 - 6



- Slide the heel to the correct sole length in accordance with the rear sole length scale. (11.1 - 7)
- Close the heel locking lever. (11.1 - 8)

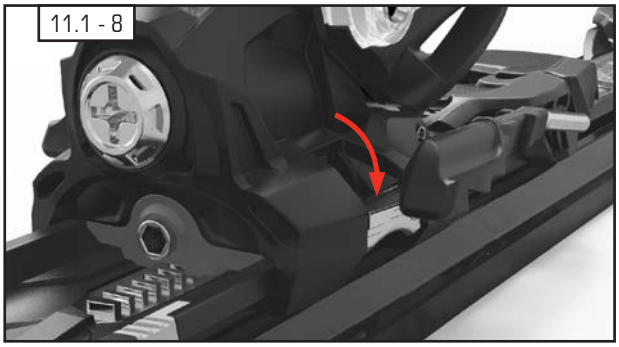
11.1 - 7



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the forward pressure is correct when the imprinted line on the forward pressure indicator is visible in the cutout of the heel housing. (11.1 - 9)
  If the forward pressure indicator line is not visible:
  remove the ski boot and readjust the boot sole length until the forward pressure indicator line is visible in the cutout.

11.1 - 8



RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

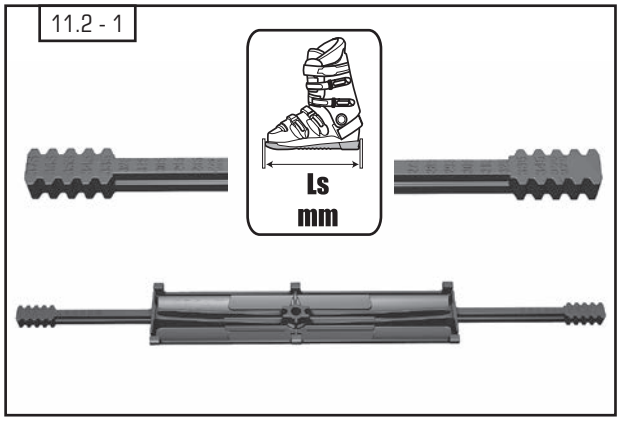
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

11.1 - 9

CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

11.2 INSTALLATION OF MARKER / BLIZZARD IQ TP MODELS

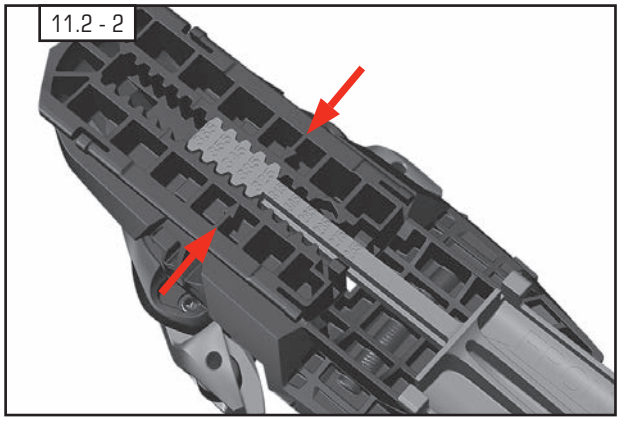


IMPORTANT !
Blizzard IQ TP models are designed to mount only in conjunction with Blizzard IQ skis.
The suitable ski models are listed on the set label or can be requested from Blizzard.

REMARK: these binding models are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.

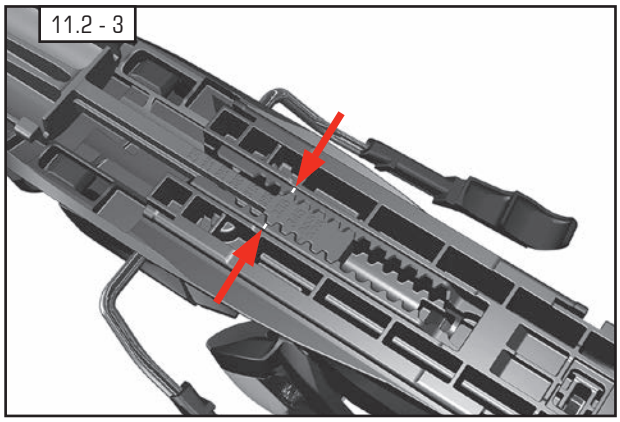
SOLE LENGTH ADJUSTMENT:

- Determine the correct sole length in mm. Choose the corresponding sole length value on the bottom side of the middle plate. (11.2 - 1)



IMPORTANT !
IQ TP bindings adjust in 10 mm increments. For all sole lengths different from the scales on the middle plate always round up or down to the nearest size.

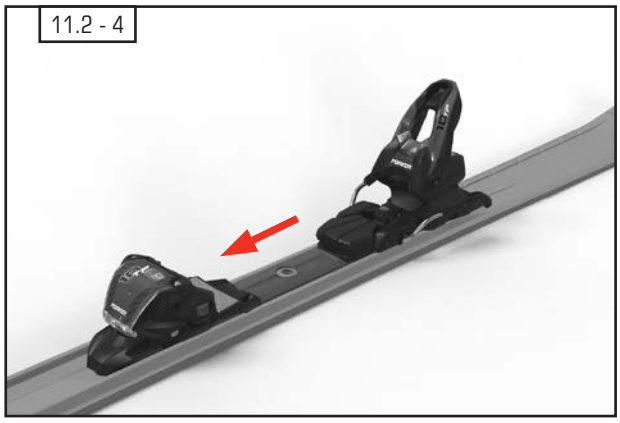
- Engage the front toothed arm of the middle plate with the corresponding sole length slots at the marking of the bottom side of the toe spacer. (11.2 - 2) Make sure that the middle plate is engaged properly.



- Engage the rear toothed arm of the middle plate with the corresponding sole length slots at the marking of the bottom side of the heel spacer (11.2 - 3). Make sure that the middle plate is engaged properly.

11.2 INSTALLATION OF MARKER / BLIZZARD IQ TP MODELS

11.2 - 4



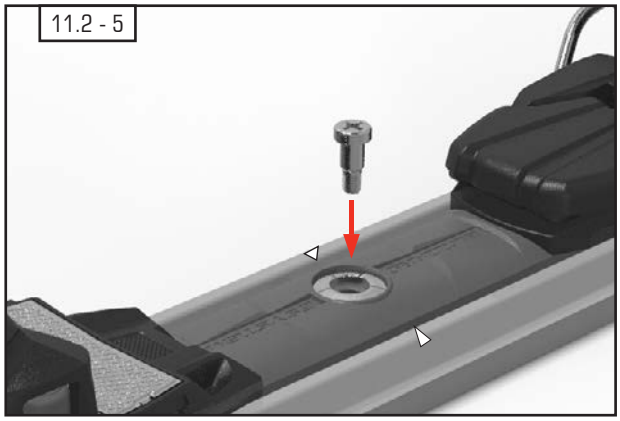
INSTALLING THE BINDING:

- Slide the complete binding with pre - installed toe and heel onto the IQ interface rail starting from the ski tail. (11.2 - 4)

CAUTION !
Ensure that the spacer rails engage the ski rail properly.

- Slide the binding forward until the hole of the IQ middle plate is aligned with the marking on the ski and the bushing. (11.2 - 5)

11.2 - 5



- Tighten the center fixing screw by hand with a torque of ca. 5.0 Nm. (11.2 - 6)

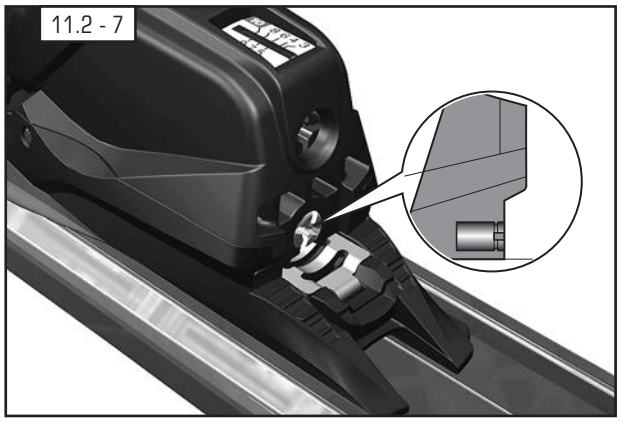
CAUTION !
Ensure correct screw choice: using the wrong center fixing screw can irreparably damage the bushing of the ski !

11.2 - 6

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. If this adjustment is incorrect, turn the screw until it is flush with the back of the housing (11.2 - 7)
- Remove the ski boot, then re - insert and re-check the adjustment.

11.2 - 7



RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

12.1 RELEASE VALUE SELECTION AND ADJUSTMENT

CAUTION !
The release value selection and adjustment has to be done very accurately to care for the skier´s safety. As a MARKER certified technician you are required to keep accurate and complete records of all work performed on any MARKER binding.
➔ **18.3**

DETERMINE THE RELEASE VALUE:

BASIC PROCEDURE:

- First record all essential skier information:
- Skiers will classify themselves as skier Type I, II or III.
- Determine the exact release value with the tables and examples on the following pages.
- Adjust the relase value at the binding.

SKIER CLASSIFICATION:

The following descriptions should enable skiers to classify themselves and their skier type in accordance with ISO 11088.
Keep in mind that the type of skier classification has nothing in common with the skier's ability. For example, many advanced skiers who have a smooth skiing style may be correctly classified as a Type II skier.

TYPE I SKIERS:

- Ski conservatively.
- Prefer slower speeds.
- Prefer smooth slopes of gentle to moderate pitch.
- Favor lower than average release / retention settings.
- Skiers who designate themselves Type I skiers accept a narrower margin of retention in order to gain a wider margin of release.
- Entry - level skiers uncertain of their classification should be classified as a Type I skier.

TYPE II SKIERS:

- Ski moderately.
- Prefer a variety of speeds.
- Ski on varied terrain, including „most difficult".
- Are skiers who do not meet the descriptions of either Type I or Type III.

TYPE III SKIERS:

- Ski aggressively.
- Normally ski at higher speeds.
- Prefer steeper and more challenging terrain.
- Favor higher than average release / retention settings.
- Skiers who designate themselves Type 3 accept a narrower margin of release in order to gain a wider margin of retention.

This classification is not recommended for skiers with a weight of 21 kg or less (code A - C).
In this case classify the skier to Type 2.

SPECIAL CASES:

- Skiers who desire release / retention settings lower than Type I may designate themselves » I - «
  Type » I - «: move up the table one skier code.

- Skiers who desire release / retention settings higher than Type III may designate themselves » III + «
  Type » III + «: move down the table three skier codes

- Skiers may select skier type designations that are different for twist and forward pressure. In such cases the selection shall be indicated by a slash separating twist and forward lean selections respectively.

12.1 RELEASE VALUE SELECTION AND ADJUSTMENT

CAUTION !
For the determination of the release values the MARKER adjustment charts of the former seasons are no longer valid.
Use the present MARKER adjustment chart given in this manual ➔ **12.1 - 1**

WEIGHT METHOD:

Determine the release value:
Necessary skier information:

- Weight
- Height
- Skier type
- Age
- Sole length

DETERMINE THE RELEASE VALUE (DIN - SETTING):

The value lines in the MARKER adjustment chart are marked with the letters A – O for a better orientation.

- Find the skier 's weight in the left hand column and the skier 's height in the next column. If the skier 's weight and height are not in the same line, move up the chart one row.
- The chosen line is determined for skier Type I. For skier Type II move down the chart one row, for skier type III move down the chart two rows.
- If the skier is age 50 or over, or younger than 10, move up the chart one row.
- Locate the given release value in the chart at the intersection of the last chosen row and the column with the boot sole length. If the intersection of the appropriate row and column is a blank box, move left or right on the same line of the chart to the nearest number that shows a release value.
- Adjust this release value on both toe and heel.

EXAMPLE:

Skier information:

- Weight: 170 lbs
- Height: 170 cm
- Skier type: III
- Age: 55
- Sole length: 320 mm

DETERMINE THE RELEASE VALUE (DIN - SETTING):

- Weight and height in row K
- Skier type III: move two rows down = row M
- For skiers age 50 or over, or age 10 or under, move up the chart one row = row L
- Column sole length 311 - 330 mm
- Result: release value 6

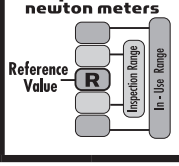
2018/2019 ADJUSTMENT CHART

MANDATORY RELEASE VALUES					EXAMPLES FOR INITIAL INDICATOR VALUE (pre-setting), DEPENDING ON BOOT SOLE LENGTH [mm]							
SKIER'S PARAMETERS			INSPECTION PARAMETERS									
WEIGHT [lbs] [kg]	HEIGHT [ft´ in´´] [cm]	SKIER CODE	TWIST [Nm]	FWD LEAN [Nm]	≤230	231-250	251-270	271-290	291-310	311-330	331-350	≥351
			5*	18*								
22-29 10-13		A	8	29	0.75	0.75	0.75					
30-38 14-17		B	11	40	1.00	0.75	0.75	0.75				
39-47 18-21		C	14	52	1.50	1.25	1.25	1.00				
48-56 22-25		D	17	64	2.00	1.75	1.50	1.50	1.25			
57-66 26-30		E	20	75	2.50	2.25	2.00	1.75	1.50	1.50		
67-78 31-35		F	23	87	3.00	2.75	2.50	2.25	2.00	1.75	1.75	
79-91 36-41		G	27	102		3.50	3.00	2.75	2.50	2.25	2.00	
92-107 42-48	≤4´10´´ ≤148	H	31	120			3.50	3.00	3.00	2.75	2.50	
108-125 49-57	4´11´´-5´1´´ 149-157	I	37	141			4.50	4.00	3.50	3.50	3.00	
126-147 58-66	5´2´´-5´5´´ 158-166	J	43	165			5.50	5.00	4.50	4.00	3.50	3.00
148-174 67-78	5´6´´-5´10´´ 167-178	K	50	194			6.50	6.00	5.50	5.00	4.50	4.00
175-209 79-94	5´11´´-6´4´´ 179-194	L	58	229			7.50	7.00	6.50	6.00	5.50	5.00
≥210 ≥95	≥6´5´´ ≥195	M	67	271				8.50	8.00	7.00	6.50	6.00
		N	78	320				10.00	9.50	8.50	8.00	7.50
		O	91	380				11.50	11.00	10.00	9.50	9.00
		P	105	452						12.00	11.00	10.50
			121**	520**								
			137**	588**								

NOTE 1: For skiers 29 lbs and under, no further correction is appropriate.

NOTE 2: For Skiers 38 lbs and under, Skier Type -I is inappropriate.

* LOWEST TOLERANCE LIMIT
** HIGHEST TOLERANCE LIMIT



The initial indicator values found in this table are only the starting point in the binding setting process. The initial values may need to be modified in order to achieve the correct measured release values.

Chart Based on **"Skier Type I"**

12.1 RELEASE VALUE SELECTION AND ADJUSTMENT

12.1 - 1 ADJUSTMENT CHART ACCORDING TO ISO 11088

The values are given in this table for example purposes and may be written also in fractions.

1) For skiers 13 kg (29 lbs) and under, no further correction is appropriate.

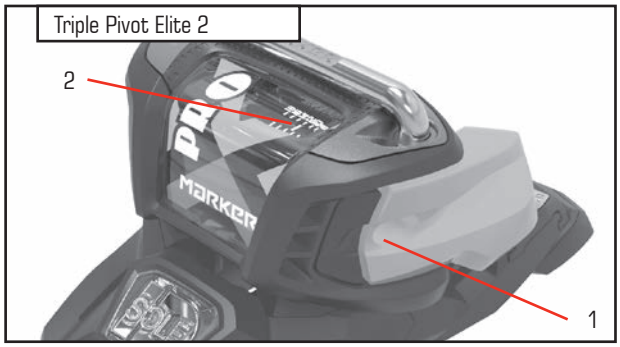
2) For skiers 17 kg (38 lbs) and under, skier Type -1 is inappropriate.

   The initial indicator values given in this table are suggested values for the beginning of the procedure.

   A re - adjustment could be necessary in order to make the measure MZ and MY values coincide with the selected individual MZ and MY values within the limits stated in this table.

12.2 RELEASE VALUE SELECTION AND ADJUSTMENT

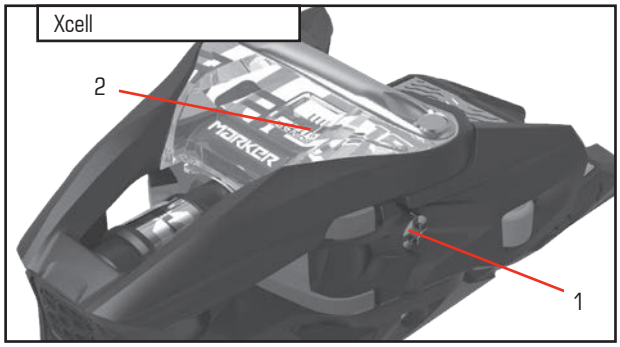
Triple Pivot Elite 2



BINDING RELEASE FORCE ADJUSTMENT SCREWS AND RELEASE VALUE INDICATOR SCALES

REMARK:
MARKER recommends adjustment with a Pozidriv® 3 screwdriver.

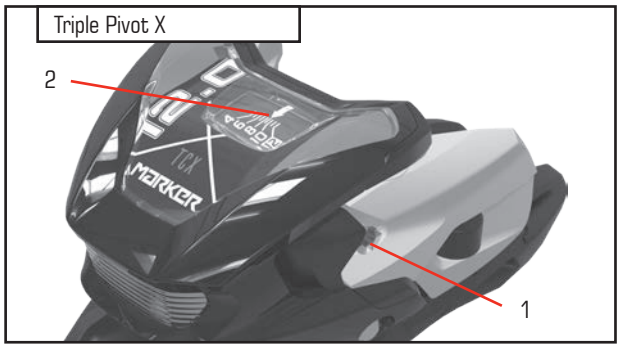
Xcell



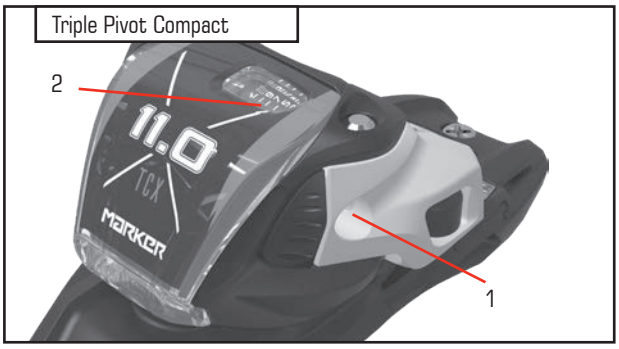
ADJUSTMENT SCREW AND INDICATOR SCALE ON THE TOE

- Turn the adjustment screw (1) until the indicator line aligns with the selected release setting on the appropriate indicator scale. (2)

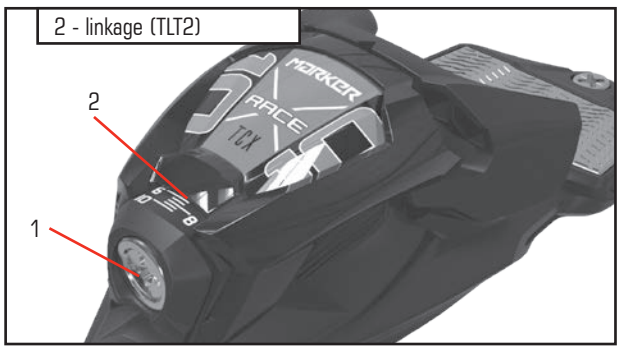
Triple Pivot X



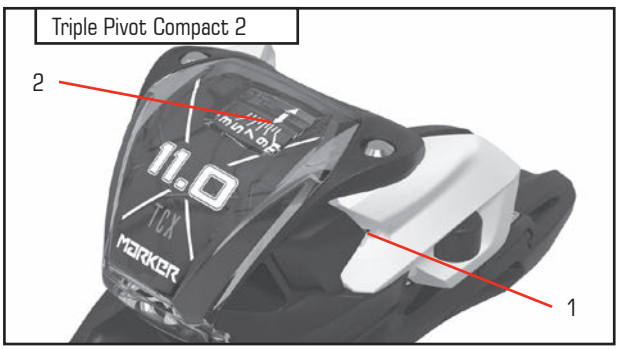
Triple Pivot Compact



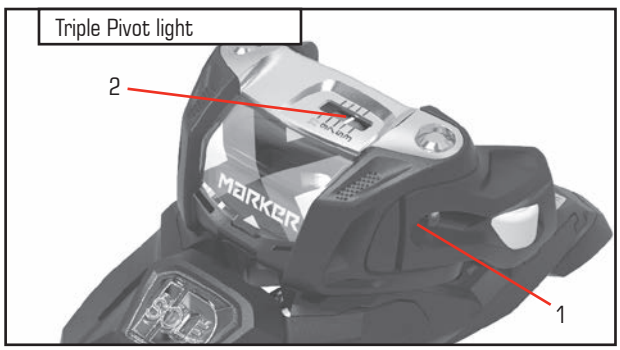
2 - linkage (TLT2)



Triple Pivot Compact 2



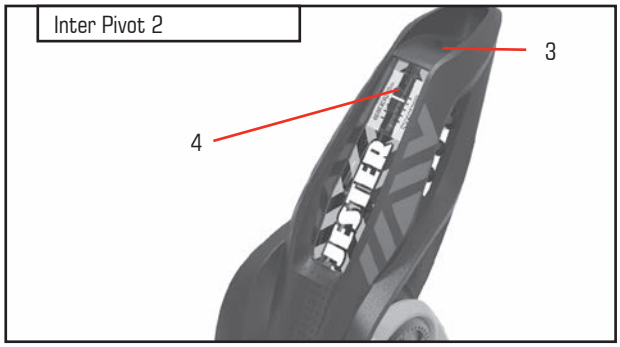
Triple Pivot light



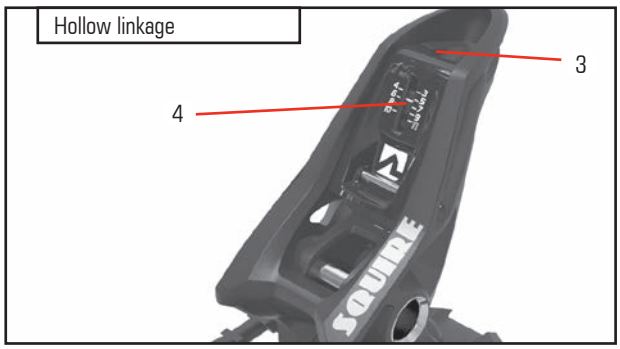
Biotech Junior 4 - linkage

12.2 RELEASE VALUE SELECTION AND ADJUSTMENT

Inter Pivot 2



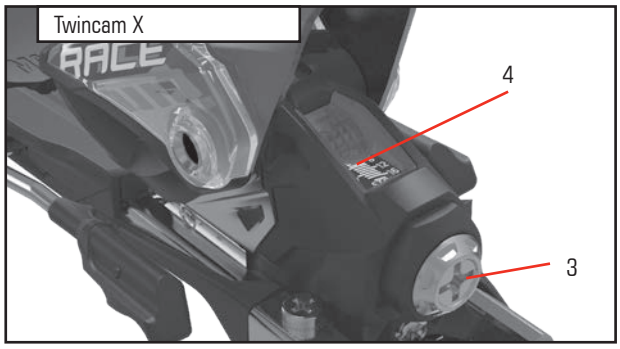
Hollow linkage



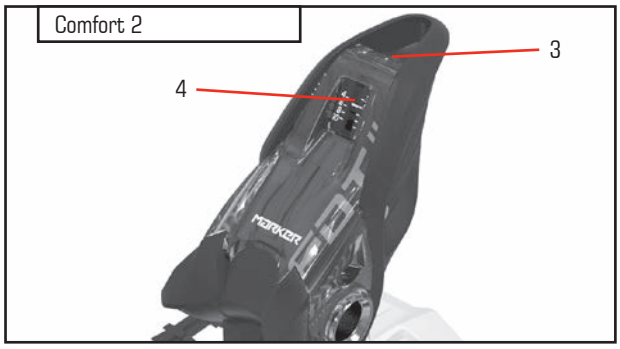
ADJUSTMENT SCREW AND INDICATOR SCALE ON THE HEEL

- Turn the adjustment screw (3) until the indicator line aligns with the selected release setting on the appropriate indicator scale. (4)

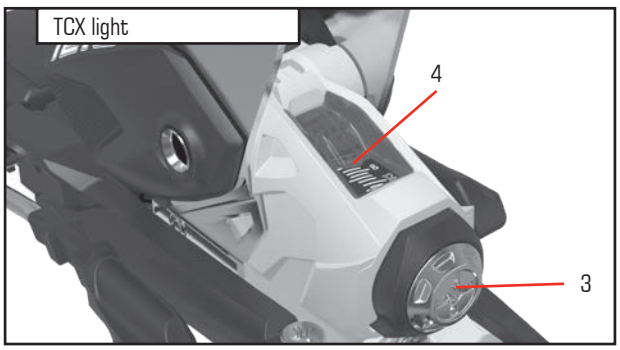
Twincam X



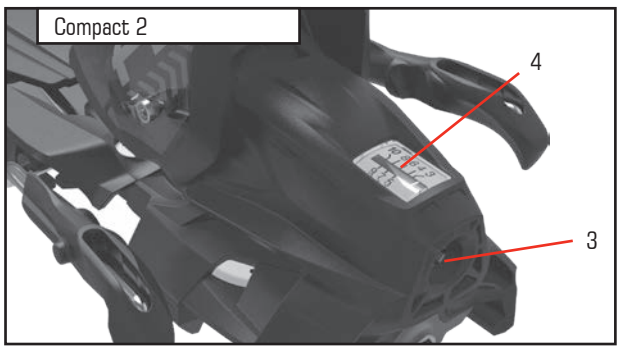
Comfort 2



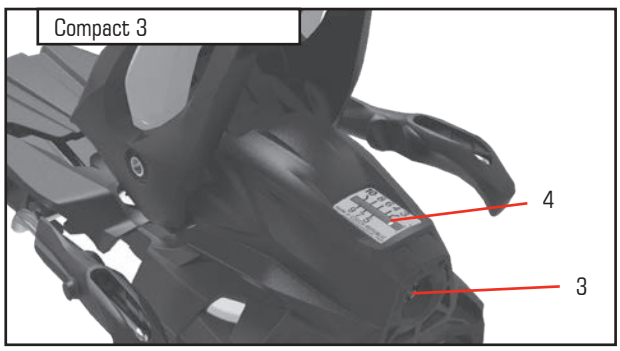
TCX light



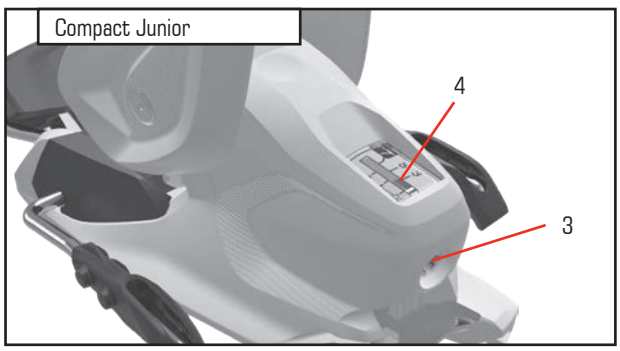
Compact 2



Compact 3



Compact Junior



12.3 FUNCTION TESTING AND INSPECTION

After installation, adjustment and function test have been duly carried out, the binding should be tested with a calibrated testing device for ski bindings.

IMPORTANT !
See the information given by the manufacturer of the ski binding test device.

This function test should verify that the release torque ranges (mentioned in Nm) are within the limits of the tolerances and should be noted on a workshop form.

RELEASE VALUE TOLERANCE:

A release value tolerance of ± 15 % is valid according to ISO 11088. This equals a value in the MARKER Adjustment Chart ➔ **12.1 - 1** in an area one line up and down of the chosen REFERENCE VALUE. See example ➔ **12.3 - 1**, equivalent to the INSPECTION TORQUE RANGE. If the measured value is in this area, the system can be marked on the work order as "PASS".

LIMITING VALUE FOR NEW ADJUSTMENTS:

A release value limit of ± 30 % is valid for new adjustments according to ISO 11088. This equals a value in the MARKER Adjustment Chart ➔ **12.1 - 1** in an area two lines up and down of the chosen REFERENCE VALUE. See example ➔ **12.3 - 1**, equivalent to the IN-USE TORQUE RANGE.

IMPORTANT !
If the measured value is in the IN-USE TORQUE RANGE the system needs to go through the following steps.

- Inspect again the consistency of ski boot and binding and verify the adjustment of the binding. Follow the Troubleshooting instructions. ➔ **12.4**
- Re - test the binding. If the measured value is still in the IN-USE TORQUE RANGE, correct the adjustment of the binding until the measured value is within the INSPECTION TORQUE RANGE. Use up to, but not more than, +2 or -2 indicator setting adjustments. The system can then be marked on work order as "PASS"

If the measured values are beyond the limits of the IN-USE TORQUE RANGE, follow the Troubleshooting instructions. ➔ **12.4**

- Re - test the binding. If the measured value is in the IN-USE TORQUE RANGE, correct the adjustment of the binding until the measured value is within the INSPECTION TORQUE RANGE. Use up to, but not more than, +2 or -2 indicator setting adjustments. The system can then be marked on the work order as "PASS"

If the measured values are still beyond the limits of the IN-USE TORQUE RANGE, it is not allowed to correct the adjustment of the binding. Replace ski boot, binding or both. The system needs to be marked on the workshop form as "FAIL".

DELIVERY TO THE CUSTOMER:

IMPORTANT !
After all adjustments are done, deliver the customer the entire system together with the properly filled out workshop form.
➔ **15.3**

EXAMPLE 12.3 - 1

SKIER CODE	TWIST [Nm]	FWD LEAN [Nm]	RELEASE VALUE TOLERANCE	INITIAL INDICATOR SETTTING
J	43	165	IN-USE TORQUE RANGE	
K	50	194	INSPECTION TORQUE RANGE	
L	58	229	REFERENCE VALUE ◄	6.00
M	67	271	INSPECTION TORQUE RANGE	
N	78	320	IN-USE TORQUE RANGE	

12.4 TROUBLE - SHOOTING

INSPECTION FOR NEW AND USED BINDINGS:

After you have set each toe and heel piece to the correct release value setting, perform the following test:

- Be sure that the ski and boot meet the visual inspection criteria described in ➔ **chapter 2**.

IMPORTANT !
All used bindings should be cleaned before performing any inspections. Do not lubricate the gliding AFD, toe cups or heel cups.

FUNCTION TEST TOE:

Lateral elastic travel and return:

- With the ski held firmly, hit the forefoot of the boot with your hand or a rubber mallet. Displace the toe of the boot slightly (6 – 10 mm) through the retention zone but not far enough to trigger a release. The boot should travel back quickly and smoothly to the middle point. If the toe of the boot travels far enough to activate a partial release, re - insert the boot and re - test before continuing with any further inspection. Release the boot from the binding to the left and to the right. Proceed to function test the heel.

IF THE SYSTEM PASSES:

- Verify the release values with the testing device.

IF THE SYSTEM FAILS:

- Check that the boot was not displaced far enough to trigger a release.
- Check if the binding - to - boot adjustment is properly done. If not, re - adjust.
- Check that the boot is centered in the heel cup. Re - insert the boot.
- Check the gliding AFD for damage. Replace the toe if necessary.
- Check for non - standard boot or excessive wear. Replace boot if necessary.
- Check the toe for excessive wear or damage. Replace the toe if necessary.

BOOT SLIDES IN TOE CUP:

- Check that the forward pressure is not too low.
- Check for lubricant on boot or toe cups. Clean binding and boot.

TOE PIECE LOOSE:

- Check for missing, stripped or loose screws. Repair or replace if necessary.

FUNCTION TEST HEEL:

The following test is for all step - in heels.
Test for vertical elastic travel and return:

- Depress the opening lever of the binding while pulling forward lightly on the upper cuff of the boot. The heel of the boot should move slightly upward (about 5 mm) through the vertical retention range of the heel. Release both hands simultaneously. The boot should return quickly to the ski, and the opening lever should return quickly to its fullest upright position. If using a test device follow the manufacturer's instructions.

IF THE SYSTEM PASSES:

- Verify the release values with the testing device.

IF THE SYSTEM FAILS:

Heel will not close or closes with difficulty:

- Check for snow or dirt under the boot heel. Clean the sole if necessary.
- Check length adjustment and forward pressure. Re - adjust if necessary.
- Check for non - standard boot or excessive wear. Replace boot if necessary.
- Check that the boot enters the binding correctly. Confirm that the boot - to - binding contact is exact.

BOOT SLIDES IN HEEL SOLEHOLDER:

- Check that the forward pressure is not too low.
- Check for lubricant on boot or soleholder. Clean binding and boot.

13.1 - 13.4 SPECIAL CASES / REPLACING SKI BRAKES

13.1 COMPETITION BINDINGS:

For racers MARKER offers special competition ski bindings with higher release values. Please advise your customer that skiers skiing on such bindings are doing so at their own risk and liability.

13.2 MONOSKI:

MARKER ski bindings are designed for the use on a pair of skis. Any other use or the installation on a Monoski will not be covered by MARKER 's indemnification or warranty.

13.3 ADJUSTMENT OUTSIDE OF THE STANDARDS:

If skiers request a release setting other than that recommended by the MARKER Adjustment Chart in this manual, or not in accordance with the standards, the shop may choose either to:
1- Adjust the system to MARKER's recommendations and instruct the skiers on how to change the setting themselves, should they wish to. The shop technician needs to make a note on the work form to this effect.
2- As a service to the skier the shop may wish to adjust the skier's system in accordance with the skier's wishes, even when this requested setting would fall outside of the MARKER Adjustment Chart's recommendations. If the shop provides this type of service, the system will only be indemnified if the skier signs a Special Warning Release Agreement➔ **16.7** in which they declare that the adjustment has been done at the skier's own risk.

13.4 REPLACING SKI BRAKES:

Within the scope of the binding adjustment the ski brakes should be subjected to a visual and functional test.

If the brakes are defective (if the brake arms are damaged, the brake platform or brake pedal are worn) or a wider brake is necessary the pair of brakes should be replaced.

MARKER offers ski brakes with different widths for replacement.

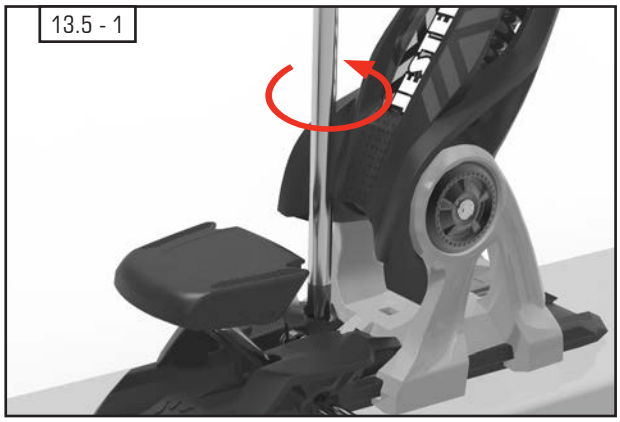
REMARK

To determine the correct brake width for the ski, measure the ski width approximately 200 mm behind the mid ski mark.

- Replacing ski brakes see ➔ **13.5 - 13.7**
- Brake chart see ➔ **17.2**

13.5 REPLACING SKI BRAKES

13.5 - 1



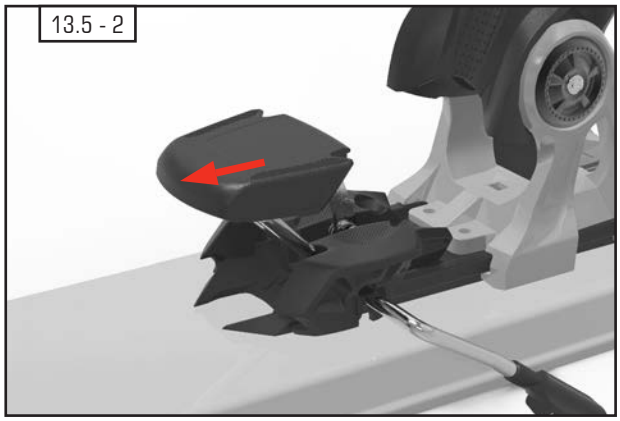
REPLACING THE SKI BRAKES INTER - PIVOT AND TOUR / SQUIRE:

DEMOUNT THE SKI BRAKE:

- Remove the attachment screws of the ski brake (13.5 - 1).

- Pull the ski brake forward to remove (13.5 - 2).

13.5 - 2

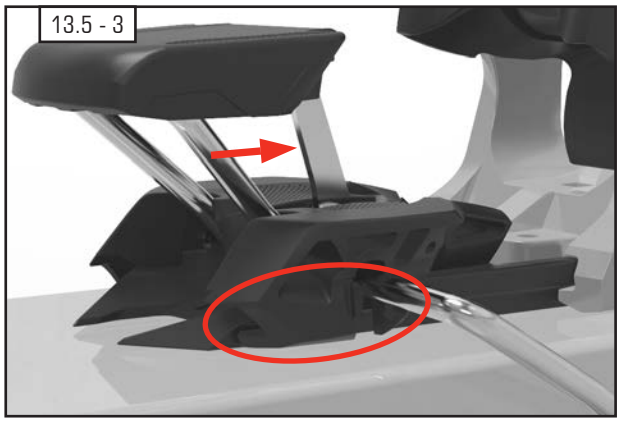


INSTALL THE NEW SKI BRAKE:

- Slide in the ski brake. Make sure that the new brake is fully and uniformly sliding into the attachments of the heel plate (13.5 - 3).

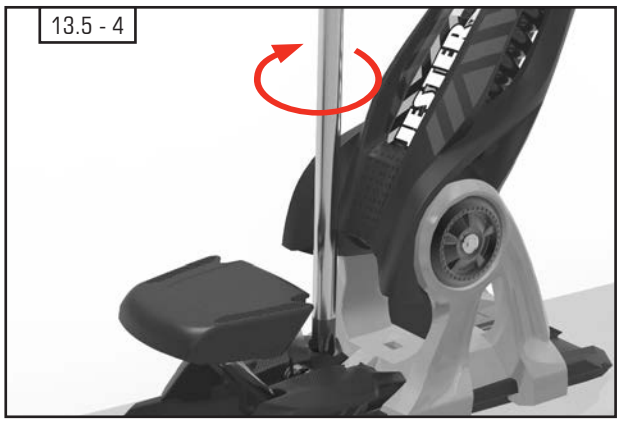
- Slide the ski brake backward until it stops. (13.5 - 3).

13.5 - 3



- Tighten the attachment screws of the ski brake (13.5 - 4).

13.5 - 4

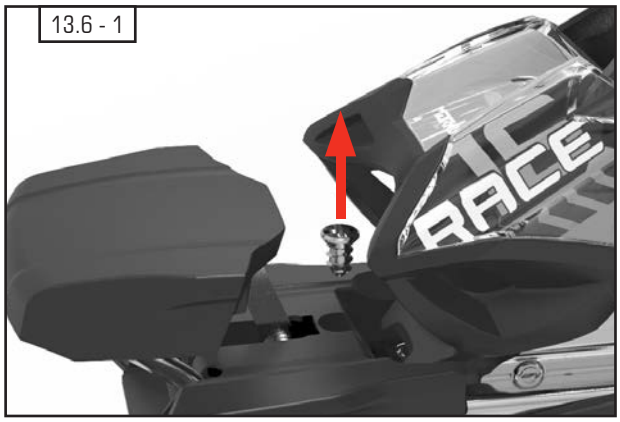


REMARK:
The wide ski brakes are replaceable in the same manner.

see BRAKE CHART ➔ **17.2**

13.6 REPLACING SKI BRAKES

13.6 - 1

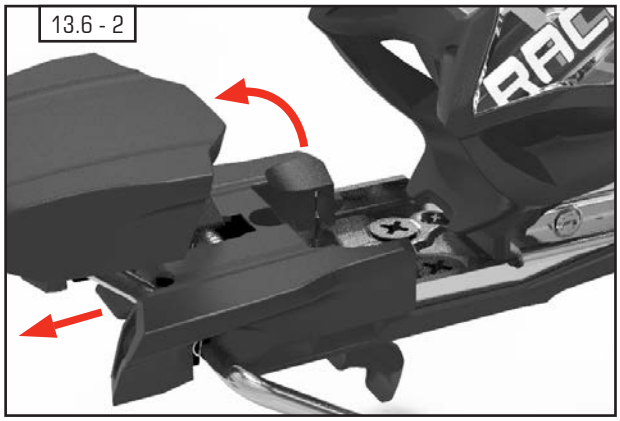


REPLACING THE SKI BRAKES RACE XCELL, RACE 10 & 8, 11.0 TC:

DEMOUNT THE SKI BRAKE:

- Remove the attachment screw of the ski brake (13.6 - 1).

13.6 - 2

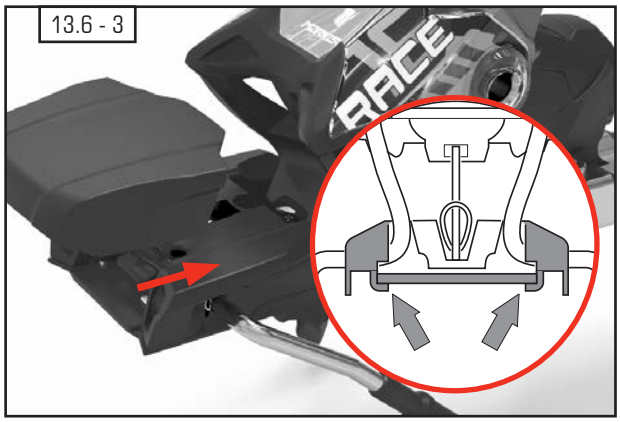


- Pull the ski brake slightly forward to remove (13.6 - 2).

INSTALL THE NEW SKI BRAKE:

- Slide in the ski brake. Make sure that the metal hooks of the brake base latch beneath the metal base plate of the heel. (13.6 - 3)

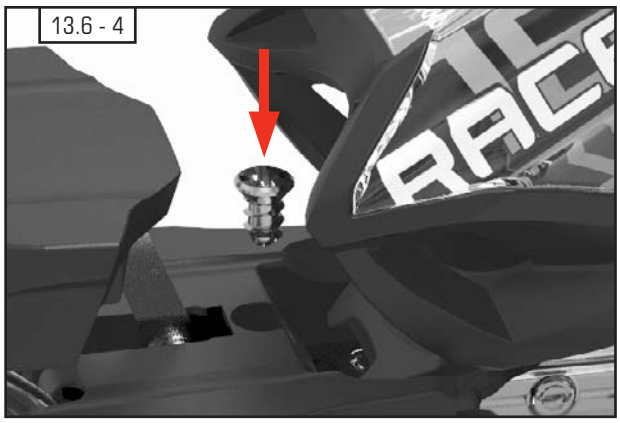
13.6 - 3



- Slide the ski brake backward until it stops.

- Tighten the attachment screw of the ski brake (13.6 - 4).

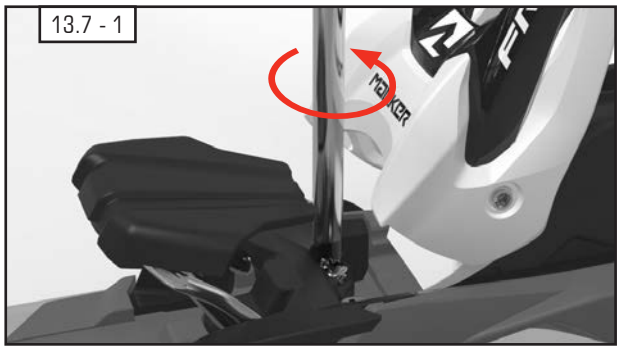
13.6 - 4



REMARK:
The wide ski brakes are replaceable in the same manner.

see BRAKE CHART ➔ **17.2**

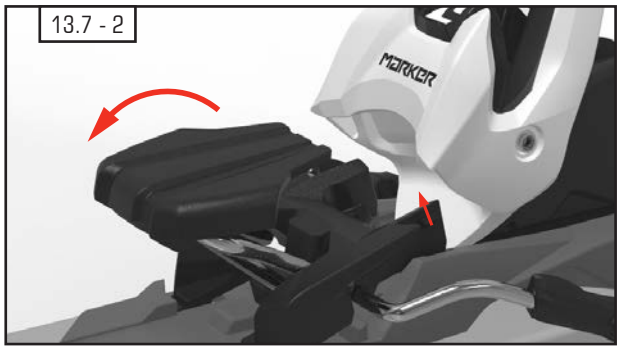
13.7 REPLACING SKI BRAKES



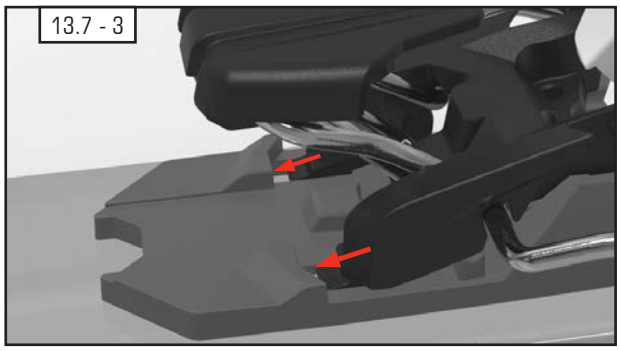
REPLACING THE SKI BRAKES 10.0 EPS / FREE TEN / FREE 8:

DEMOUNT THE SKI BRAKE:

- Remove the ski brake attachment screws (13.7 - 1).

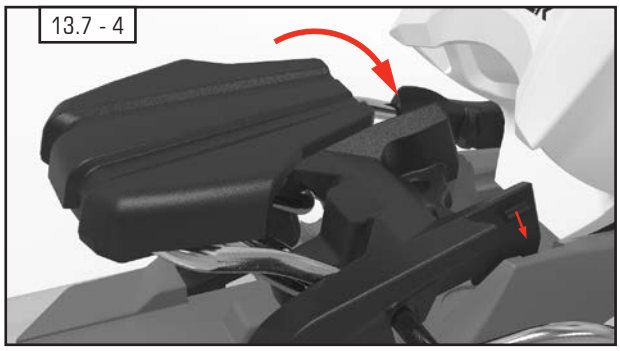


- Pivot the rear brake platform hooks carefully to remove the ski brake (13.7 - 2).



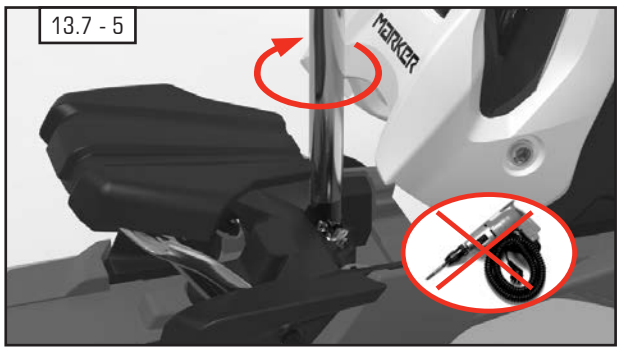
INSTALL THE NEW SKI BRAKE:

- Engage the front of the brake platform and feed the rear hooks into the notches of the spacer. Make sure that the new brake is locked in place (13.7 - 3 and 13.7 - 4).



- Tighten the attachment screws carefully by hand (13.7 - 5).

IMPORTANT !
Tighten the screws by hand, do not use a power drill !

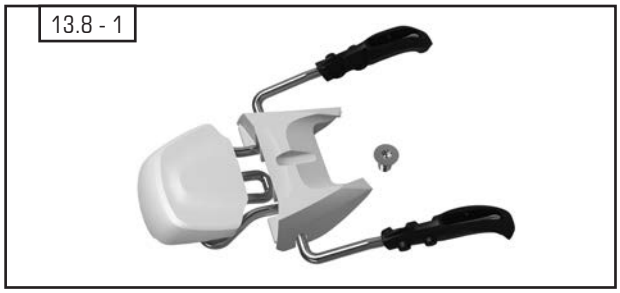


REMARK:
The wide ski brakes are replaceable in the same manner.

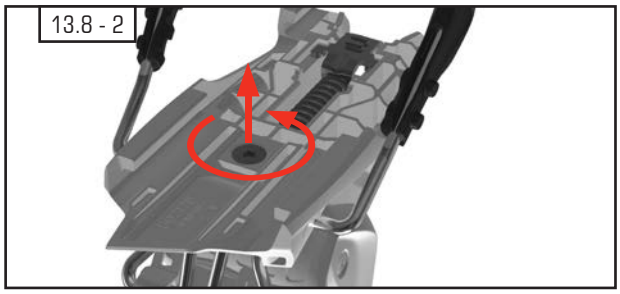
see BRAKE CHART ➔ **17.2**

13.8 REPLACING SKI BRAKES

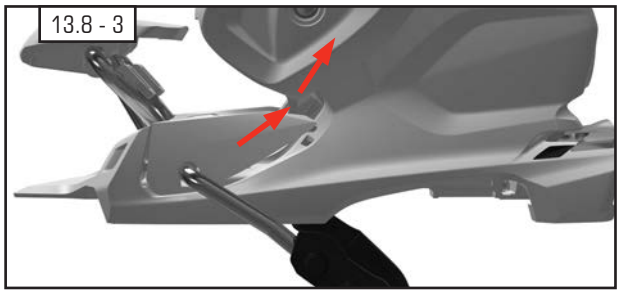
13.8 - 1



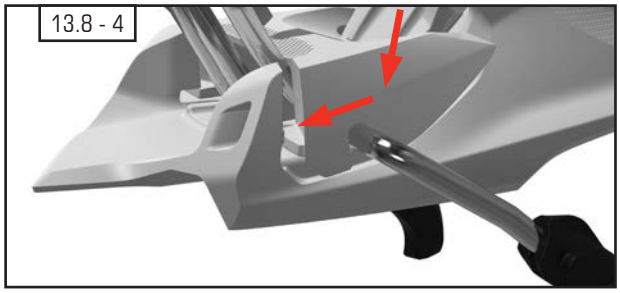
13.8 - 2



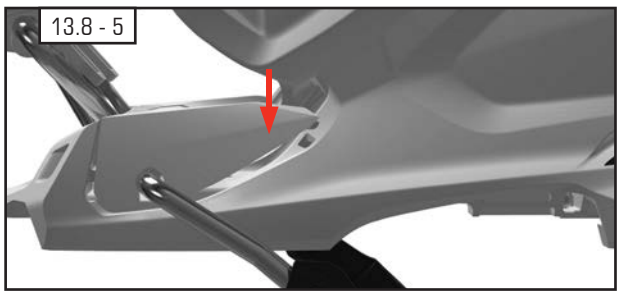
13.8 - 3



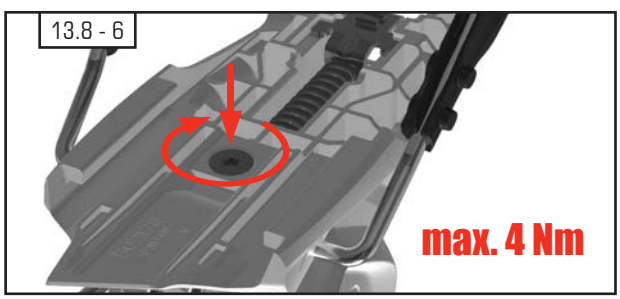
13.8 - 4



13.8 - 5



13.8 - 6



REPLACING THE SKI BRAKES FDT JUNIOR

REMARK:
For the binding models FDT Junior the brake with the premounted heel platform is used.(13.8 - 1)

DEMOUNT THE SKI BRAKE:

- Remove the attachment screw of the ski brake (13.8 - 2).
- Pivot the rear brake platform hooks carefully to remove the ski brake (13.8 - 3).

INSTALL THE NEW SKI BRAKE:

- Engage the front of the brake platform and feed the rear hooks into the notches of the spacer. Make sure that the new brake is locked in place. (13.8 - 4 and 13.8 - 5).
- Tighten the attachment screws carefully by hand. (13.8 - 6)

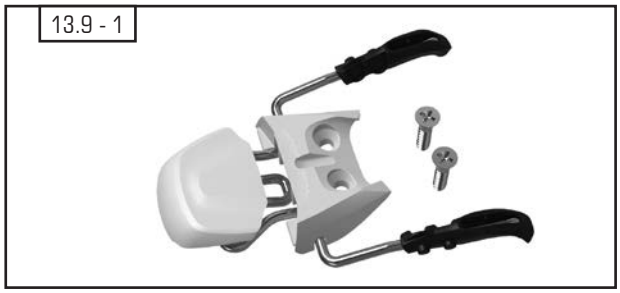
IMPORTANT !
Tighten the screws by hand, do not use a power drill !

REMARK:
The wide ski brakes are replaceable in the same manner.

see BRAKE CHART ➔ **17.2**

13.9 REPLACING SKI BRAKES

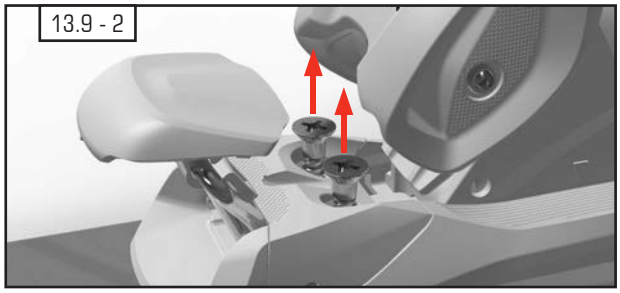
13.9 - 1



REPLACING THE SKI BRAKES JUNIOR EPS

REMARK:
For the binding models Junior EPS the premounted heel platform has to be replaced by the enclosed EPS heel platform. (13.9 - 1)

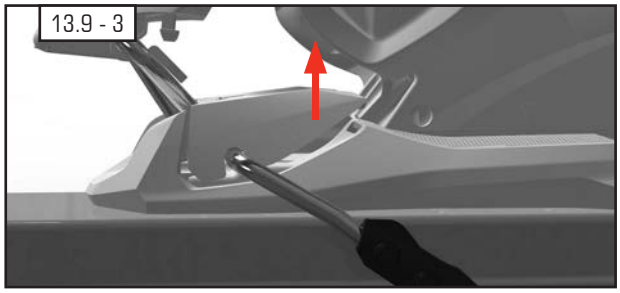
13.9 - 2



DEMOUNT THE SKI BRAKE:

- Remove the attachment screws of the ski brake (13.9 - 2).

13.9 - 3

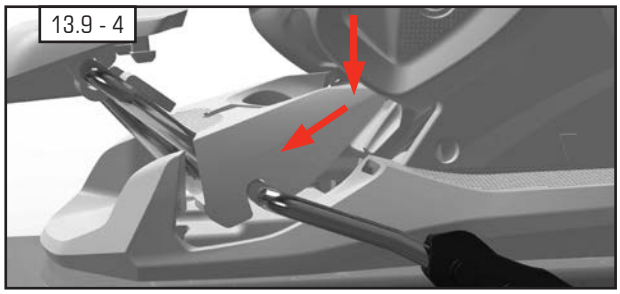


- Pivot the rear brake platform hooks carefully to remove the ski brake (13.9 - 3).

INSTALL THE NEW SKI BRAKE:

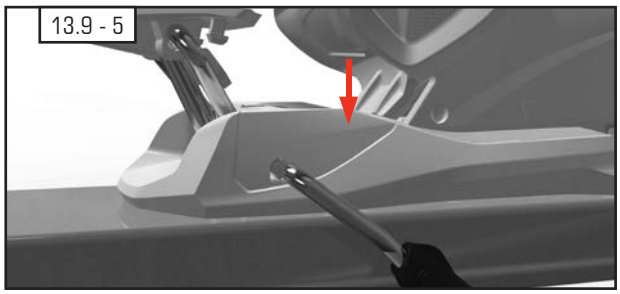
- Engage the front of the brake platform and feed the rear hooks into the notches of the spacer. Make sure that the new brake is locked in place. (13.9 - 4 and 13.9 - 5).

13.9 - 4



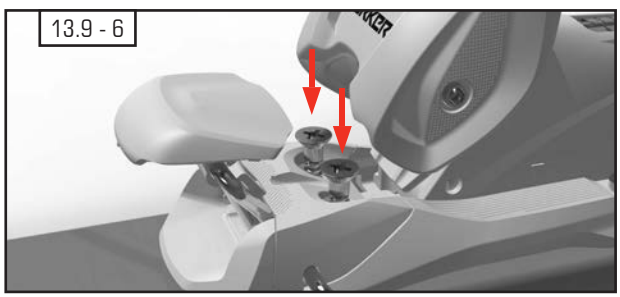
- Tighten the attachment screws carefully by hand. (13.9 - 6)

13.9 - 5



IMPORTANT !
Tighten the screws by hand, do not use a power drill !

13.9 - 6



REMARK:
The wide ski brakes are replaceable in the same manner.

see BRAKE CHART ➔ **17.2**

14.1 GENERAL INFORMATION

14.1 - 1

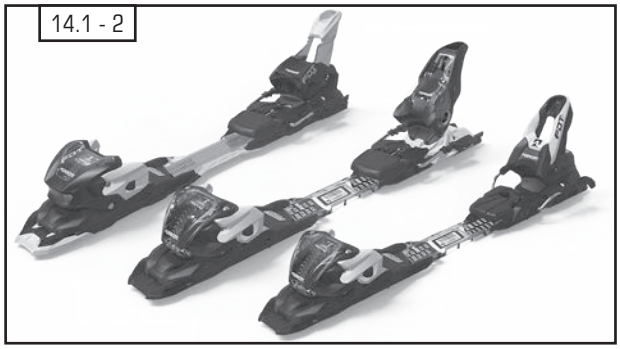
DEFINITION OF GRIFFON D / TCX D & SQUIRE D BINDINGS: (14.1 - 1)

MARKER Griffon D / TCX D and Squire TCX D models have adjustable toes and adjustable heels.

Adjustment range (in 4 mm steps)

	mm	toe	heel
Griffon D Griffon TCX D Squire TCX D	260 - 388	64 mm	64 mm

14.1 - 2



DEFINITION OF FDT BINDINGS: (14.1 - 2)

MARKER FDT bindings have adjustable toes and adjustable heels.

Adjustment range (in 4 mm steps)

	mm	toe	heel
FDT TPX FDT TP FDT TLT	260 - 388	64 mm	64 mm

14.1 - 3

DEFINITION OF JUNIOR RENTAL BINDINGS: (14.1 - 3)

Junior Rental (RTL) bindings have fixed toes and movable heels.

Adjustment range (in 4 mm steps)

	mm	toe	heel
7.0 RTL	240 - 304	-	64 mm
4.5 RTL	200 - 264	-	64 mm

14.1 - 4

DEFINITION OF FDT JUNIOR BINDINGS: (14.1 - 4)

FDT Junior bindings have adjustable toes and adjustable heels.

Adjustment range (in 4 mm steps)

	mm	toe	heel
FDT 4.5	190 - 285	48 mm	48 mm
FDT 7.0	235 - 330	48 mm	48 mm

14.1 GENERAL INFORMATION

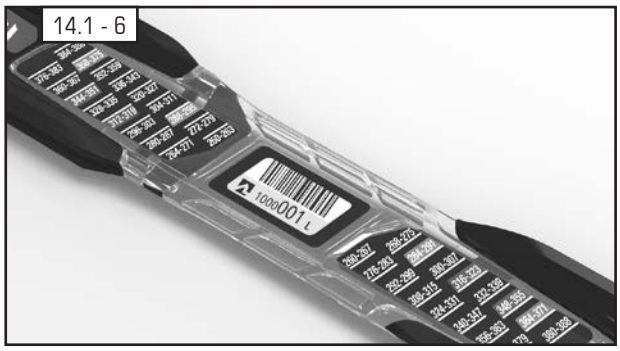
14.1 - 5

GENERAL INFORMATION BINDING - TO - BOOT ADJUSTMENT

For the correct binding - to - boot adjustment there are number codes, respectively sole length scales on the Griffon D, Griffon TCX D & Squire TCX D, FDT Demo, Fastrak III, Junior RTL and FDT Junior bindings:

Griffon D & Griffon TCX D & Squire TCX D:
Sole length in mm (260 – 388) is marked on the toe - and heel plates. (14.1 - 5)

14.1 - 6



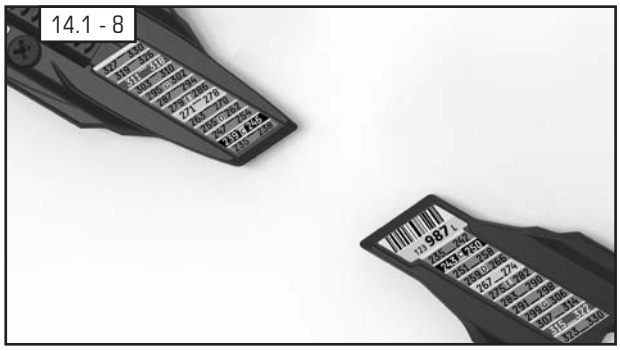
FDT Demo System:
Sole length in mm (260 – 388) is marked on the FDT Demo middle plate. (14.1 - 6)

14.1 - 7

7.0 RTL / 4.5 RTL:
Number codes are placed on the heel spacers. (14.1 - 7)

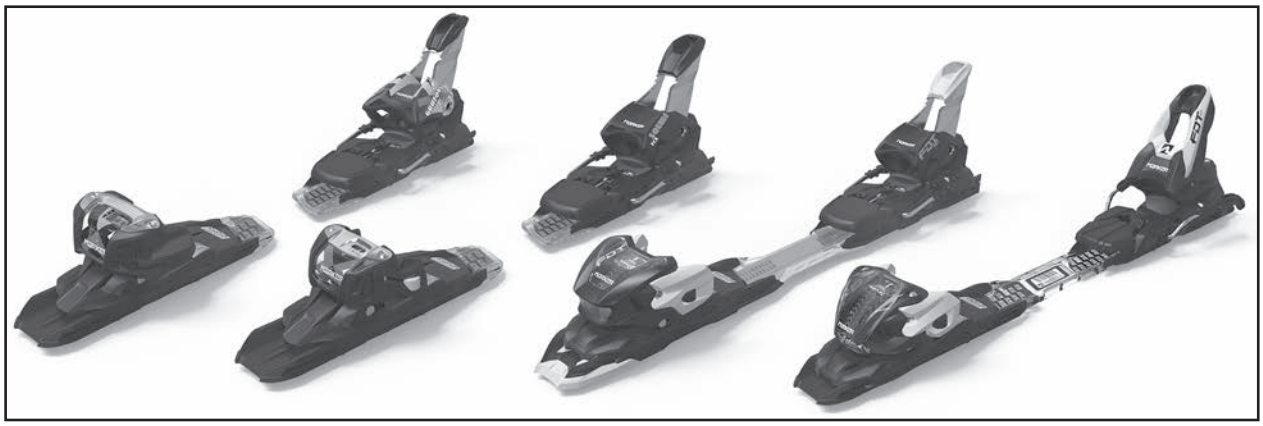
7.0 RTL	Code 54 – 69	240 – 304 mm
4.5 RTL	Code 44 – 59	200 – 264 mm

14.1 - 8

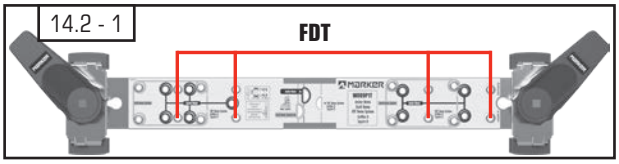


FDT Junior:
Sole length in mm (235 - 330 mm large; 190 - 285 mm small) is marked on the FDT Junior toe - and heel plates (14.1 - 8)

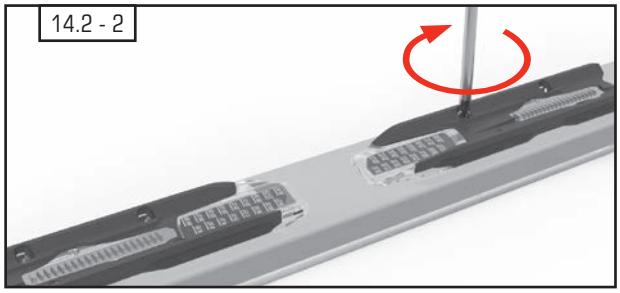
14.2 INSTALLATION OF GRIFFON D, GRIFFON TCX D, SQUIRE TCX D & FDT MODELS



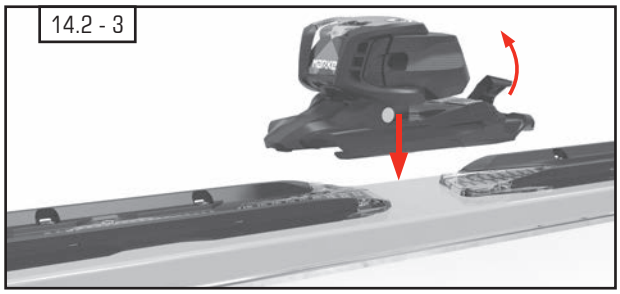
14.2 - 1



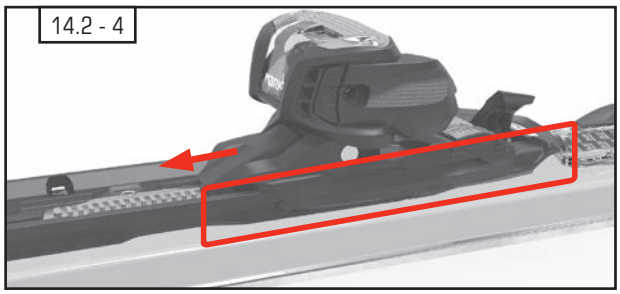
14.2 - 2



14.2 - 3



14.2 - 4



14.2 - 5

IMPORTANT !
Griffon D, Griffon TCX D, Squire TCX D and FDT bindings are designed to mount only in conjunction with the FDT plate system.

REMARK:
The binding models Griffon D, Griffon TCX D, Squire D & FDT GRIP-WALK are designed for the following standard boot soles:

- Alpine ski boots for adults DIN ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

REMARK:
This mounting instruction is also valid for the MARKER / NORDICA models FDT, MARKER / MOVEMENT models FDT and the MARKER / Bogner & Indigo models FDT.

DRILLING THE ATTACHMENT HOLES:

- Place the FDT installation tool W009P1T or W004Q1T (14.2 - 1) onto the ski and align the mid - sole mark »FDT« with the mid - sole mark on the ski.
- Check if the installation tool is positioned correctly on the ski.
- Drill 4 holes for the front plate and 4 holes for the heel plate through the yellow marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
See the DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLATION OF THE FDT PLATE:

- Place the FDT plate onto the ski, tighten the front plate screws lightly, then firmly.
- Tighten the heel plate screws lightly, then firmly. (14.2 - 2)

INSTALLING THE TOE:

- Open the locking lever and slide the toe from the center of the plate forward. (14.2 - 3 & 14.2 - 4)

CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly.

- Slide the toe to the correct sole length in accordance with the front sole length scale. (14.2 - 5)

14.2 INSTALLATION OF GRIFFON D, GRIFFON TCX D, SQUIRE TCX D & FDT MODELS

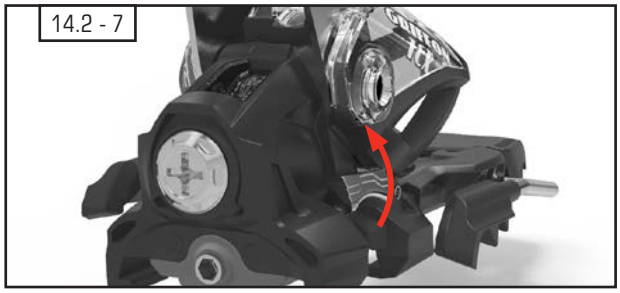
14.2 - 6

- Close the toe locking lever. (14.2 - 6)

INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the rear. (14.2 - 7)

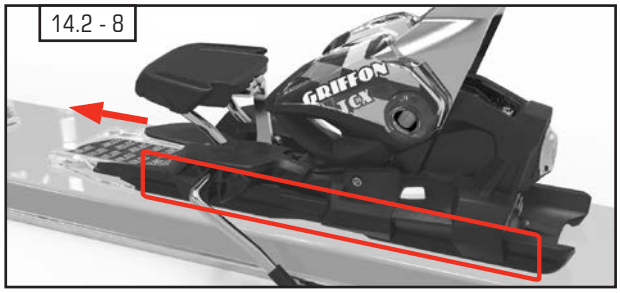
14.2 - 7



- Slide the heel forward. (14.2 - 8)

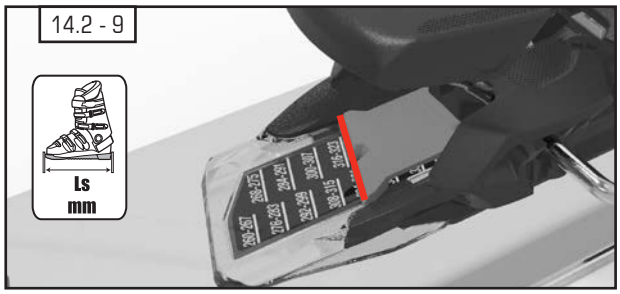
CAUTION !
Ensure that the rails of the heel engage both sides of the base plate properly.

14.2 - 8



- Slide the heel to the correct sole length in accordance with the rear sole length scale. (14.2 - 9)

14.2 - 9

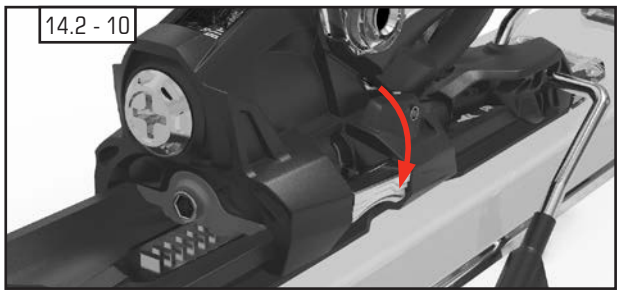


- Close the heel locking lever. (14.2 - 10)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the forward pressure is correct when the imprinted line on the forward pressure indicator is visible in the cutout of the heel housing. (14.2 - 11)
  If the forward pressure indicator line is not visible:
  remove the ski boot and readjust the boot sole length until the forward pressure indicator line is visible in the cutout.

14.2 - 10



RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

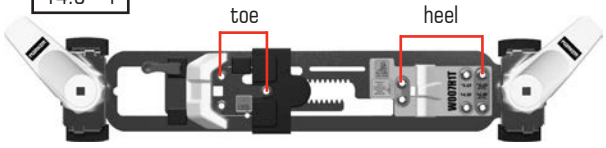
REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

14.2 - 11

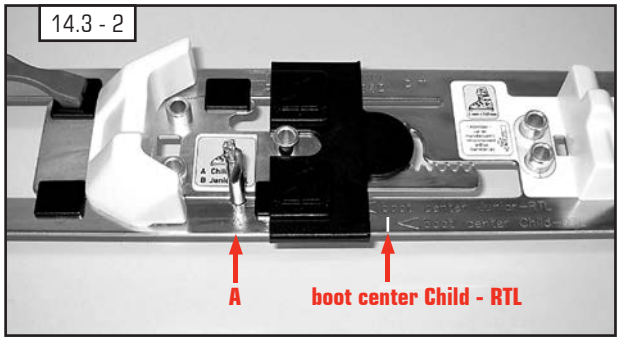
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

14.3 INSTALLATION OF 7.0 RTL / 4.5 RTL GRIPWALK

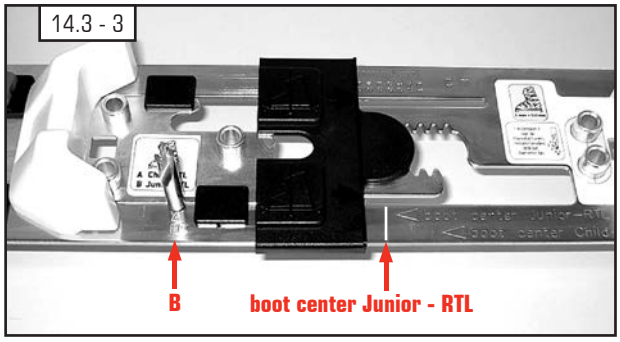
14.3 - 1



14.3 - 2



14.3 - 3



14.3 - 4

REMARK: The binding models 7.0 RTL & 4.5 RTL GRIPWALK are designed for the following boot soles:

- Alpine ski boots for adults DIN ISO 5355 type A
- Junior ski boots DIN ISO 5355 type C
- Junior ski boots with the additional marking "GRIPWALK Junior"
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

IMPORTANT !
4.5 RTL and 7.0 RTL (with length scales 44 – 59 and 54 – 69) have to be mounted with the installation tool **W007H1T** (14.3 - 1) !

DRILLING THE ATTACHMENT HOLES:

- Adjusting the installation tool (W007H1T) for **4.5 RTL:**
  Open the locking lever. Move the toe guide until the marking sticker on the toe guide is aligned with the marking »A« on the frame of the installation tool. Fix the position by inserting a drill bit to the position »A« hole. Close the locking lever, remove the drill bit. Place the pre - installed installation tool onto the ski and align the mid - sole mark „boot center Child – RTL" with the mid - sole mark on the ski. (1 - 2)

  Adjusting the installation tool (W007H1T) for **7.0 RTL:**
  Open the locking lever. Move the toe guide until the marking sticker on the toe guide is aligned with the marking »B« on the frame of the installation tool. Fix the position by inserting a drill bit to the position »B« hole. Close the locking lever, remove the drill bit. Place the pre - installed installation tool onto the ski and align the mid - sole mark „boot center Junior – RTL" with the mid - sole mark on the ski. (14.3 - 3)

- Drill 3 holes for the toe through the front bushings and 4 holes for the heel through the grey marked rear drill bushings.
- Remove installation tool from the ski.

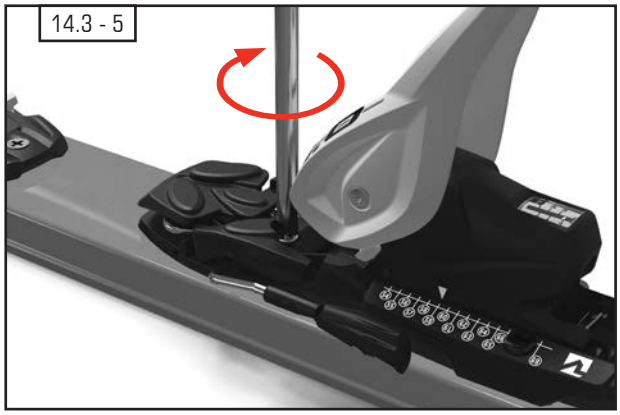
REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLING THE TOE:

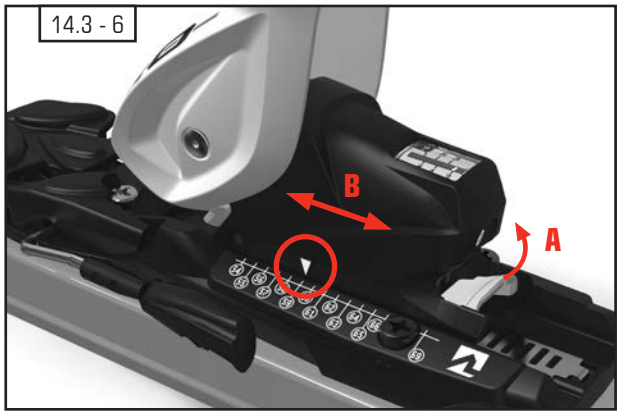
- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (14.3 - 4)

14.3 INSTALLATION OF 7.0 RTL / 4.5 RTL GRIPWALK

14.3 - 5

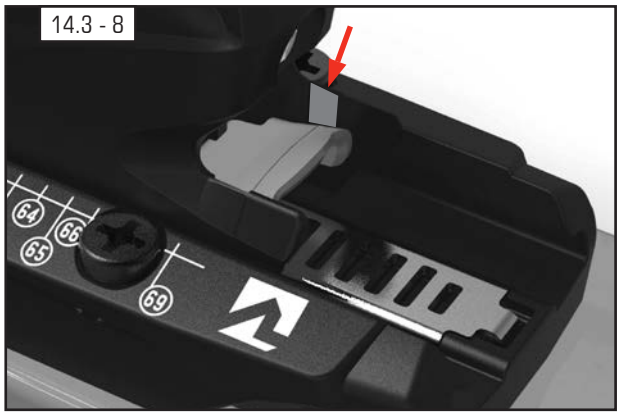


14.3 - 6



14.3 - 7

14.3 - 8



INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (14.3 - 5)
- Check if all screws are tightened firmly.

ADJUST THE CODE ON THE BINDING: (see 14.1)

REMARK:
The easiest way to adjust the heel is moving it with open sole-holder.

- Pull the locking lever upward (A) and move the heel until the indicator on the side of the heel housing is aligned with the determined code. (14.3 - 6)
- Close the locking lever to secure heel position.

CAUTION !
Ensure that the lever is engaged properly ! (14.3 - 7)

CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the groove on the locking lever has to point to the embossed section of the heel housing (14.3 - 8).
  If the forward pressure is incorrect: remove the ski boot, lift the lever and move the heel until the forward pressure is correct.

RELEASE VALUE SELECTION AND ADJUSTMENT:

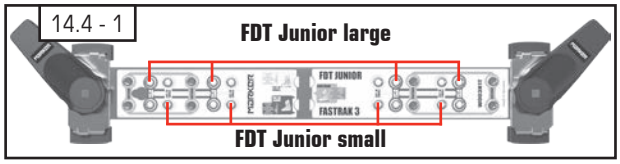
- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.

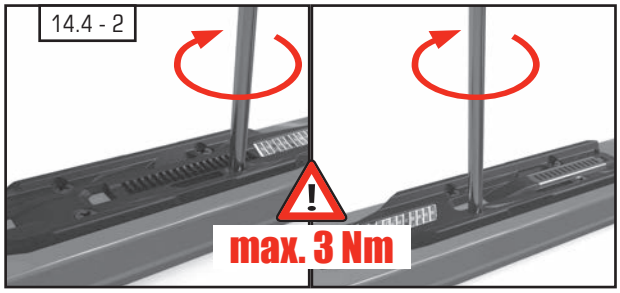
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

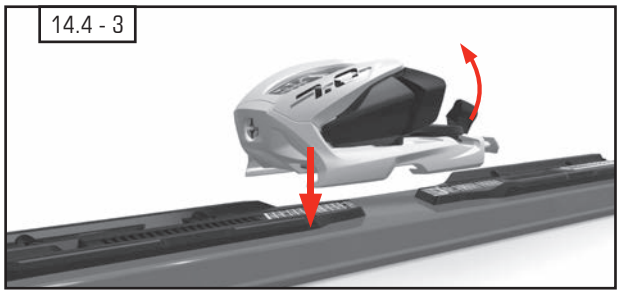
REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

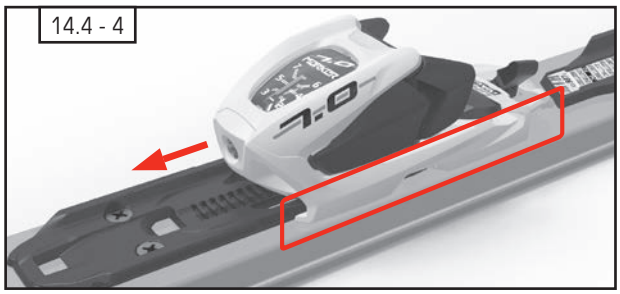
CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

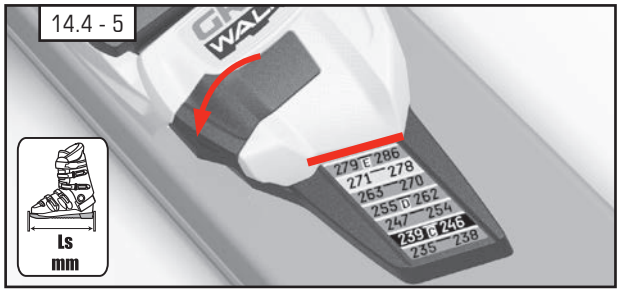
14.4 INSTALLATION OF FDT 7.0 / FDT 4.5 GRIPWALK











REMARK: The binding models FDT 7.0 & FDT 4.5 & VMotion Junior GRIPWALK are designed for the following boot soles:

- Alpine ski boots for adults DIN ISO 5355 type A
- Junior ski boots DIN ISO 5355 type C
- Junior ski boots with the additional marking "GRIPWALK Junior"
- Touring ski boots for adults DIN ISO 9523 with the additional marking "Gripwalk®"

IMPORTANT !
FDT 7.0 and FDT 4.5 bindings are designed to mount only in conjunction with the FDT Junior large or FDT Junior small plate systems !

IMPORTANT !
VMOTION Junior and VMOTION Junior R bindings are designed to mount only in conjunction with VMOTION Junior skis with premounted plates !

REMARK: Ski length / sole length Völkl VMotion Junior:
Ski VMotion Junior 80 - 110 cm: sole length "S" 190 - 285 mm
Ski VMotion Junior 120 - 160 cm: sole length "L" 235 - 330 mm

FDT JUNIOR: DRILLING THE ATTACHMENT HOLES:

- Place the FDT Junior installation tool W003H1T (14.4 - 1) onto the ski and align the mid - sole mark »FDT Junior small« or »FDT Junior large« with the mid - sole mark on the ski.
- Check if the installation tool is positioned correctly on the ski.
- »FDT Junior small«: Drill 4 holes for the front plate and 4 holes for the heel plate through the yellow marked drill bushings.
- »FDT Junior large«: Drill 4 holes for the front plate and 4 holes for the heel plate through the violet marked drill bushings.
- Remove installation tool from the ski.

REMARK: See DRILLING INSTRUCTIONS ➔ **3.2**

INSTALLATION OF THE FDT JUNIOR PLATE:

- Place the toe plate onto the ski, the length scale points to the ski tail.
- Place the heel plate onto the ski, the metal bracket points to the ski tail.
- Tighten the screws by hand with a max. torque of 3 Nm. (14.4 - 2)

INSTALLING THE TOE:

- Open the locking lever and slide the toe from the center of the plate forward. (14.4 - 3 & 14.4 - 4)

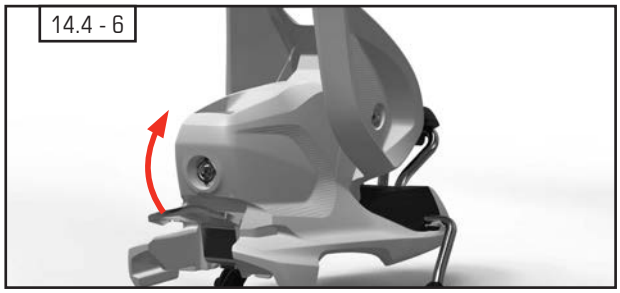
CAUTION !
Make sure that the toe spacer rails engage both sides of the base plate properly.

- Slide the toe to the correct sole length in accordance with the front sole length scale. (14.4 - 5)

- Close the toe locking lever. (14.4 - 5)

14.4 INSTALLATION OF FDT 7.0 / FDT 4.5 GRIPWALK

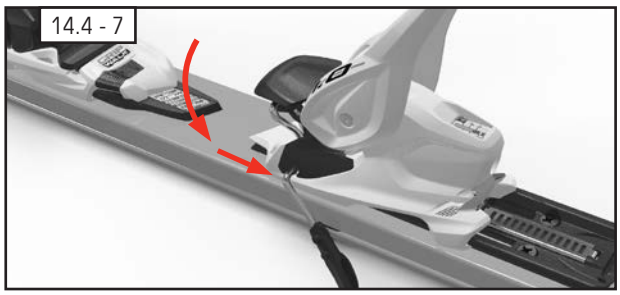
14.4 - 6



INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the center. (14.4 - 6 & 14.4 - 7)
- Slide the heel backward. (14.4 - 8)

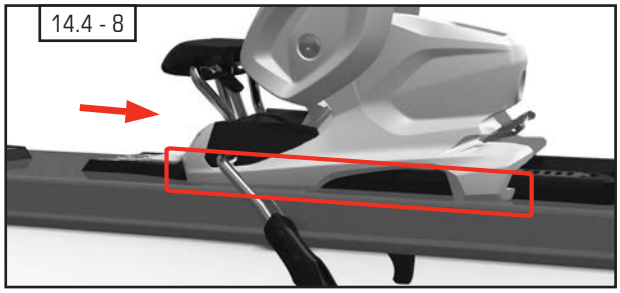
14.4 - 7



CAUTION !
Ensure that the rails of the heel engage both sides of the base plate properly.

- Slide the heel to the correct sole length in accordance with the rear sole length scale. (14.4 - 9)
- Close the heel locking lever. (14.4 - 10)

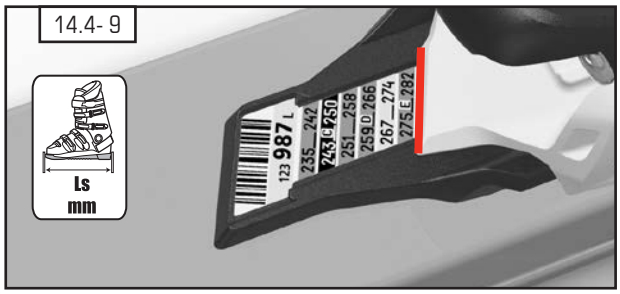
14.4 - 8



CHECK FORWARD PRESSURE:

- Place the ski boot into the binding, close the binding.
- Correct forward pressure:
  With the boot in the system the forward pressure indicator on the locking lever has to point to the marked section on the side of the heel housing. (14.4 - 11)
  If the forward pressure is incorrect: remove the ski boot, lift the lever and move the heel until the forward pressure is correct.

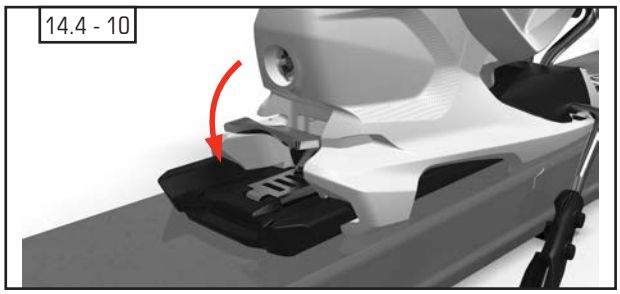
14.4- 9



RELEASE VALUE SELECTION AND ADJUSTMENT:

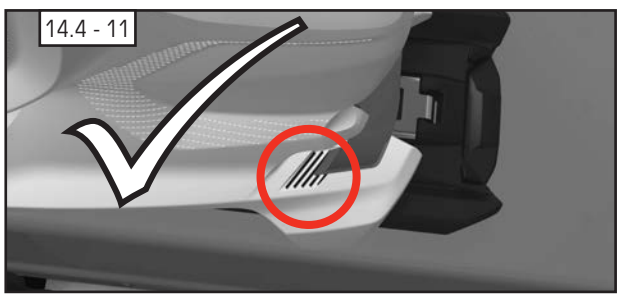
- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted. Use the weight method to match the individual skier's needs.
  See RELEASE VALUE SELECTION AND ADJUSTMENT:
  ➔ **12.1 - 12.3**

14.4 - 10



REMARK:
ADJUSTMENT OF DEMO BINDING MODELS:
also refer to chapter ➔ **14.5**

14.4 - 11



CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier´s safety. All key information including the release value must be recorded in the workorder. ➔ **15.3**

14.5 FUNCTION TEST AND SERVICE

FUNCTION TESTING OF MARKER RENTAL / DEMO BINDINGS:

RENTAL AND DEMO TESTING PROCEDURES:

Since it is impractical to perform a full inspection each time a system is rented, a routine of Pre-Season and In-Season Inspections has been developed to verify release indicator accuracy, confirm correct equipment function, and assure proper assembly and adjustment procedures by the rental shop staff.

Fully implemented, the procedures that follow provide rental shop customers a standard of care equivalent to that provided retail shop customers under current ISO standards. The program is based on the existing standard: ISO 13993.

PRE-SEASON INSPECTION

Pre-season Inspection is performed on components of the release system: bindings and boots.

All rental bindings, new and used, are visually inspected, and then tested using specially selected reference boots. Bindings that fail go through a troubleshooting procedure to identify and correct the deviation or malfunction. ➔ **12.4** TROUBLESHOOTING
If this procedure does not correct the problem, the binding is removed from inventory.

All rental boots, new and used, are visually inspected for damage, wear, contamination, broken or missing parts, or inferior materials at contact points with the binding. In addition, one boot per "cell" is tested for boots that are new to the rental inventory. A cell is all boots of the same make, model, age, and shell size. A random selection of 5 % of all used boots, previously accepted into inventory, is also tested. Tests are performed with a test device and a pair of specially selected reference bindings. If a boot fails, all boots from that cell are then tested. Boots that fail and cannot be repaired are removed from inventory.

IN-SEASON INSPECTION

In-Season Inspections are performed on complete rental systems to ensure that the equipment is adjusted appropriately and continues to function correctly. Typically 5 % of the rental inventory is tested during each two week sampling period. The random sample is equally divided between equipment that is available for rental and equipment that has just been rented. The equipment in the "as rented" category is from real skiers in the condition in which it is either dispatched or returned, while the "available for rental" equipment may be set up for fictitious skiers. Only single skis, not pairs, are tested, and testing at the toe is only required in one direction. A count is maintained of test results which exceed allowable limits. The magnitude and frequency of these deviations determines the frequency of future inspections. Shops which fail an inspection must sample daily until the source of the problem is found and corrected. Then, as inspection results improve, the frequency of sampling and inspection is relaxed.

IMPORTANT TERMS

CORRECTION FACTOR- The value that must be added or subtracted from the initial visual indicator setting to bring the test result within the Inspection Tolerance (or Inspection Range).

DIRECTIONS OF RELEASE- Unless otherwise specified (see in-season inspection), the directions of release to be tested are forward lean and clockwise and counter clockwise in twist.

TEST DEVICE- A device which meets ISO standard 11110 and has been checked, calibrated and maintained in the manner specified by the device manufacturer.

TEST RESULT OR RELEASE TORQUE- The middle quantitative value of three tests made in the same direction.

PRE-SEASON BINDING INSPECTION:

REFERENCE BOOT SELECTION

The reference boot is a boot of a designated sole length which is otherwise typical of the boot inventory. Use the procedure below if the boot inventory includes several models and a representative boot can not be easily identified.

1. Select five single boots with sole lengths as specified in table [A] for the binding type to be tested: adult, junior, or child.
2. Clean and dry all five boots with a mild detergent and water.
3. Adjust a rental binding to the release indicator setting specified in table [A] for the binding type.
4. Fit the binding to the boots and determine the release torque in all three directions of release (forward lean and both directions in twist - three releases in each direction).
5. Average the release torque for CW (clockwise) and CCW (counter-clockwise) twist release.
6. Reject and replace any boot with a CW to CCW difference of more than 6 Nm for Adult boots or 4 Nm when testing Junior and Child boot types. ➔ **12.1 - 12.3** RELEASE VALUE SELECTION AND ADJUSTMENT
7. Rank the five twist results and select as the reference boot for twist, the middle boot.
8. Rank the five forward lean results and select as the reference boot for forward lean, the middle boot.

14.5 FUNCTION TEST AND SERVICE

PRE - SEASON BINDING INSPECTION

The procedure that follows is an integral part of pre - season maintenance. It is also a good way to determine if maintenance is adequate and which units have outlived their usefulness and must be removed from inventory.

1. Clean areas of the bindings that contact the boot and perform all pre - season binding maintenance.
2. Visually or manually check:
   a. AFD condition
   b. Brake function
   c. Release indicator readability and travel
   d. Screw tightness
3. Fit each binding to the reference boot and adjust the release indicators to the value in Table [A].
4. Check that the heel track and toe track single code agree with the sole length single code of the reference boot.
5. With the reference boot in the binding, verify elastic travel of the toe piece by striking the boot toe with a mallet or dead hammer and checking that the toe piece returns the boot quickly and completely to center.
6. Verify elastic travel of the heel piece by lifting the boot while depressing the heel piece cocking lever and checking that the heel piece returns the boot quickly and completely to the latched position.
7. Manually release the binding 3 times in each direction.
8. Lubricate all boot / binding interfaces with a mild liquid detergent and water solution.
9. With the ski binding test device determine the release Torque for each direction of release (forward lean and both directions in twist).
10. Record "PASS" in the binding's maintenance record if test results are within the inspection ranges provided in table [A].
11. Set the ski aside if the test result in any directions of release is outside the inspection range in table [A].
12. Follow trouble - shooting procedure (➔ **12.4**) for units which have been set aside and retest if changes in the unit's condition or adjustment are made.
13. Record "FAIL" in the binding's maintenance record if, after trouble - shooting, test results in any direction of release are outside the in - use range. Replace the "failed" unit and retest before returning the ski to service.
14. If after trouble - shooting, test results are outside the inspection range but within the in - use range, apply a correction factor to the unit and note the correction factor for that unit in the binding's maintenance record.
15. If many bindings fail, check the test device and re - inspect the reference boot. If necessary, select another boot and retest the bindings.

Skier Code	E	I	L
Binding Type	Children	Junior	Adult
Sole Length (mm)	255 ± 5	280 ± 5	320 ± 5
Recommended sole type	C	A	A
Release Indicator Setting	2	4	6
Reference Torque Twist (Nm)	20	37	58
Reference Torque Forward (Nm)	75	141	229
Twist Inspection Range (Nm)	17 - 23	31 - 43	50 - 67
Forward Inspection Range (Nm)	64 - 87	120 - 165	194 - 271
Twist In - Use Range (Nm)	14 - 27	27 - 50	43 - 78
Forward In - Use Range (Nm)	52 - 102	102 - 194	165 - 320

Table [A] Pre - season binding test

NOTE TO TABLE (A):

Test of bindings type E (Children): deviations up to the correction limit value (in-use range) are permissible without readjustment.

PRE - SEASON BOOT PREPARATION

The procedure that follows is an integral part of pre - season maintenance.

1. Clean all boots with a mild detergent and water, and repair or replace damaged or missing parts.
2. Visually check:
   a. Conformance with ISO and other applicable standards - ISO 5355. If the boot contacts the binding, brake, or AFD in areas other than the designated contact points, it may be incompatible with the binding.
   b. Boot material. If the sole at the contact points with the binding or AFD can be scratched with a finger nail, the boot may be of inferior quality and incompatible with the binding.
   c. Boot sole condition. If the boot sole is damaged, worn, or contaminated at contact points with the binding or AFD in a manner which can not be corrected, the boot may be incompatible with the binding, (➔ **2.3**) "Verify boot sole dimensions".
   d. Brake compatibility with sole.
   e. Rubber and / or metal sole protectors. If such materials contact the binding or AFD the boot may be incompatible with the binding.
   f. Mold flashings. Flashing which can be seen or felt at contact points with the binding, brake, or AFD must be carefully removed.
3. Remove from inventory all boots that have failed the visual check.

PRE - SEASON BOOT SAMPLING

Although sampling eliminates the need to test every boot before the season starts, the sample chosen must be representative of the inventory.

1. For boots that are new to inventory or have never been inspected, take a single boot from each cell (a cell is all boots of the same make, model, year, and shell size).
2. For used boots, take a 5 % (but not less than 16 or more than 80) random sample of the entire inventory, see table [B]. Make sure that there is at least one boot from each cell in the sample.

14.5 FUNCTION TEST AND SERVICE

PRE - SEASON BOOT INSPECTION:

The procedure that follows helps to assure both boot / binding compatibility and boot interchangability. Note: when using table [A],in the boot inspection procedures that follow, the sole length and release indicator setting columns should be ignored.

1. Randomly select a pair of bindings that have passed the pre-season inspection from each binding type: adult, junior, child.
2. Lubricate all boot / binding contact points with a mild liquid detergent.
3. Without regard to whether the boot is new or used, sort the sample by sole type and length according to the 20 mm sole length categories defined by the release / retention adjustment chart.
4. In each sole length category rank the boots by sole length and select the middle boot.
5. In each sole length category fit the appropriate reference bindings to this „typical" boot and adjust the two bindings to release as close as practical to the reference torque in table [A]. Use the reference torque corresponding to skier code [L] for the adult binding, [I] for the Junior binding, and [E] for the Child binding.
6. Rinse the lubricant from one binding and mark it „clean." Mark the other „lubricated".
7. Test each boot in the sole length category with the clean reference binding and then the lubricated reference Binding in both twist and forward lean (only one direction in twist is required for the clean binding).
8. Set aside any boots for which the lubricated test result is more than 20 % less than the clean test result in the same direction of release or the Lubricated test result in any direction of release is outside of the inspection range provided in table [A] for the skier code used to set up the reference binding (E, I, or L).
9. Repeat the visual check on all boots that have been set aside, correct any defects noted, and retest. Remove from inventory boots that fail the retest.
10. Check all other boots from the same cell (make, model, year, and shell size) as those that failed.

NOTE:

On completion of the pre - season inspection, clean the liquid detergent from the equipment and lubricate the binding before returning it to service.

IN - SEASON SAMPLING AND INSPECTION:

The in - season inspection is a test of complete systems and all the procedures used by the rental staff to assemble and adjust the system. The program uses random samples of rental inventory taken at routine intervals. Any sampling program that gives every unit of inventory the same chance as every other of being picked is valid.

SAMPLE FREQUENCY:

Random sampling is conducted throughout the entire season.

FREQUENCY IS AS FOLLOWS:

1. After 7 days of operation.
2. If the sample passes the next sampling is taken after another 7 days of operation.
3. If two consecutive samples pass, sampling frequency is increased to 14 days.
4. If a sample fails at any time, daily sampling is instituted until two consecutive samples pass, at which point weekly sampling resumes.

SAMPLE SIZE:

Sample size is 5 % of inventory but not less than 16 nor more than 80 units as noted in table [B]. Sample size is based on average daily out-put. If rental output drops below 50 % of capacity over the sampling period, the sample size can be reduced proportionately.

IN - SEASON INSPECTION:

1. Take a random sample of the rental inventory as determined by table [B]. Take half of the sample from inventory as it is either rented or returned and the remainder from inventory available for rental.
2. The returned samples are tested with the last customer's data, the other samples adjust to randomly selected skier data. Consider already applied correction factors.
3. Wipe the boot clean and cycle the boot / binding systems at least once in each direction.
4. Test sample units in twist (one direction only) and forward lean.
5. Compare the test results with the inspection range for the appropriate skier code, see ISO 11088 release / retention adjustment chart. (page 114 / 118)
6. If the results are within the inspection range, one value above to one value below the reference value, the unit passes.
7. If the results are outside inspection range but within the in - use range, two values above to two values below the reference value, count the unit as a class I deviation.
8. If the results are outside the in-use range, count the unit as a class II deviation.
9. Check elastic travel and visually inspect the ski brake function, interface areas between boot and binding, including AFD, lug height adjustment (if appropriate), and forward pressure. Count any deficiencies as class I deviations.
10. If more than the maximum number of class I deviations given in table B are found in the sample, or a single class II deviation is detected the sample fails and daily sampling must be conducted until the problem which led to the failed sample is found and corrected.
11. Record the date the sample was tested, the number of units tested, the number of class I and class II deviations, whether the sample passed or failed and any actions taken. There is no need to record the identity of units tested or actual test results.

14.5 FUNCTION TEST AND SERVICE

Table [B]

Inventory Size Pairs	Sample Size Units	Max. Class I Dev.
100	16	3
200	20	4
300	30	6
400	40	8
500	50	10
600	60	12
700	70	14
800	80	16
900	80	16

RENTAL / DEMO OF PARTIAL SYSTEMS

Many shops rent their customers partial ski equipment systems e.g. for customers using their own boots. Additionally some shops utilize on - hill demo days as a means by which new products can be tested and evaluated by potential buyers. In order to offer these skiers the same level of care as that afforded under the preceding procedures, the following guidelines should be used:

RENTAL OF BOOTS ONLY: CUSTOMER OWNED SKIS / BINDINGS:

Whenever customers rent boots for use with their own skis and bindings, the whole system boot - binding - ski must be mechanically tested according to the procedures described for retail equipment ISO 11088. A properly completed form, including all the required customer information should be kept by the individual or organization responsible for the adjustment.

RENTAL OF SKIS / BINDINGS ONLY:
CUSTOMER OWNED BOOTS

Although the retail test procedure may be applied in this case, it is often impractical to require actual system testing, especially in on - hill situations. In lieu of retail testing, the following procedures may be employed:

1. The ski / binding system to be rented or demoed should be tested "pre - season" using a boot which passes the boot visual inspection.

2. The skier 's boot should also pass the visual inspection. If any questions exist regarding the quality of the boot, retail - type testing should be used.

3. The binding should be adjusted and indicators set per current MARKER recommendation.

4. A full record noting appropriate customer information and binding settings should be kept by the individual or organization responsible for the adjustment.

5. After seven days of use, the ski / binding system should be tested according to the in - season inspection procedures previously described.

CAUTION !

Hand out the workshop form or the record of the release values to the customer. Ask the skier to please read the release agreement. The skier has to read, understand and agree to the conditions specified in the release agreement. Collect a copy of the signed form.

NOTE FOR U.S. AND CANADA:

Signatures by both the customer and MARKER Certified Mechanic are required on all shop forms to qualify for the MARKER Dealer Indemnity Program.

RENTAL SKIER INSTRUCTION

Explain the function of every MARKER RENTAL or DEMO ski binding to every customer. If the customer is a child, this information should be also given to the parents or guardian.

- Explain the binding function and how it releases.
- Point out the visual indicator settings on the binding. Ask the skier to verify that these settings agree with the settings recorded on the workshop form.
- Explain and show the customer how to step in and release the binding.
- Point out that a shift of the adjusted release values has a high risk of injury to the skier.
- Explain to the skier how to release from the binding in difficult conditions and how to step in again.

IMPORTANT !

The skier should have in mind the risk of skiing.
MARKER 's intention is to minimize those risks as far as possible. Point out that the binding will not release under all circumstances nor is it possible to predict every situation in which it will release and is, therefore, no guarantee of his or her safety.

15.1 - 15.2 MAINTENANCE - WARRANTY

15.1 MAINTENANCE:

To help ensure proper function, MARKER ski bindings should be kept clean and free of dirt, rust or other contaminates. To clean, wipe all exposed surfaces with a moist or dry cloth or use compressed air.

IMPORTANT !
Use a soft cloth, lukewarm water and mild detergent to clean. Under no circumstances should you use plastic cleaner, or caustic or aggressive cleaning agents and substances to clean the product. This can permanently damage the surfaces and materials. Do not use a lubricant such as e.g. silicone on the toe or heel sole holders.

MARKER ski bindings should be cleaned in the event of visible soiling, or at least once per season.

Store your skis with the binding closed in a frost-free and dry place. Avoid exposure to excessive heat (e.g. when stored in an attic), and storage near to acid-absorbing media (e.g. chimneys, car batteries) or storage in garages..

15.2 WARRANTY:

MARKER's warranty is extended to the customer through the MARKER authorized retailer. MARKER requests that warranty claims or inquiries be processed by MARKER authorized retailers on behalf of their customers. In some instances, if a retail customer should contact MARKER directly, MARKER will process the claim or inquiry. Defective product is defined as that product, component or part thereof which, due to material failure or defect in workmanship, no longer functions properly for its intended use. Final decisions regarding any claimed product defect will be made solely by a representative of MARKER.

RETAIL WARRANTY PERIOD

MARKER will, at its sole discretion, repair, replace or refund the purchase price of a defective Retail binding for a period of three years from the date of purchase.

RENTAL / DEMO WARRANTY PERIOD

MARKER will, at its sole discretion, repair, replace or refund the purchase price of a defective Rental / Demo binding for a period of one year from the start of service in a rental operation.

WARRANTY EXCLUSIONS

Damage caused by improper handling, non - observance of the instructions for use, non - qualified installation, improper adjustment, insufficient maintenance and servicing, skiing accidents, abuse of product or normal wear is not covered under warranty. All wearing parts and cosmetics are exempt from warranty. MARKER will not be liable for incidental or consequential damages of any nature unless such limitation is expressly prohibited by law in the applicable jurisdiction. All implied warranties are expressly disclaimed unless such disclaimer is prohibited by law. In that event, the duration of any implied warranties shall be concurrent with the period of express warranties stated herein.

15.2 WARRANTY

WARRANTY RETURN PROCEDURES

The following warranty return procedures apply to MARKER Authorized Retailers in the USA. Please contact MARKER distributors in other countries regarding warranty return procedures.

All customers with MARKER binding warranty questions should be referred to the nearest MARKER Authorized Retailer. The MARKER Authorized Retailer is to observe the following procedures upon receipt of allegedly defective products.

1. The owner (customer) of an allegedly defective MARKER binding is to return the merchandise to a MARKER Authorized Retailer.

2. The MARKER Authorized Retailer is to determine if the binding falls under MARKER's warranty policy and is not excluded under MARKER's warranty provisions.

If there are any questions as to the warranty status of such product, the MARKER Authorized Retailer should contact MARKER for verification and special handling instructions. In certain cases MARKER may be able to send a part to the retailer to avoid a binding return.

There may be cases where it is determined that an entire set of bindings must be replaced. When a complete set is replaced from retailer's stock, return all pieces to MARKER for replacement. Credit cannot be taken or issued for replacement product.

3. If a binding is broken but does not meet MARKER's warranty requirements, the customer may qualify for MARKER's Extended Service Plan. Contact MARKER for details. 1.800.453.3862

4. MARKER Authorized Retailers should ship returned warranty product to the address listed below.

   USA ship to: **MARKER USA WARRANTY**
   425 Washington Street
   Claremont, NH 03743

Note: Warranty claims for MARKER's Ski Partners:

Völkl: All warranty claims for MARKER / Völkl bindings must be sent to Völkl USA.

K2: All warranty claims for MARKER / K2 bindings must be sent to K2 USA.

Nordica: All warranty claims for MARKER / Nordica bindings must be sent to Nordica USA.

Blizzard: All warranty claims for MARKER / Blizzard bindings must be sent to Blizzard USA.

Kästle: All warranty claims for MARKER / Kästle bindings must be sent to Kästle USA.

15.2 WARRANTY

WARRANTY RETURN INFORMATION

MARKER Authorized retailers must call MARKER Warranty for a Return Authorization (RA) number before shipping product.

When returning bindings for evaluation, please be sure to include the following information:

1. Describe the problem thoroughly and mark the problem area if necessary.
2. Include customer information and proof of purchase if available.
3. Include shop contact name and telephone number.

For components that fail one of the mechanical testing inspections, the following should be included:

1. Which inspection component failed.
2. The brand of test device used and the last date it was calibrated.
3. The test tolerance range of the testing device for computer type devices.
4. The skier code and the indicator setting at which the component failed.
5. The boot brand, model and sole length in mm.
6. The measured release values for all required inspections.
7. The name of the technician(s) whom performed the inspection.

Warranty returns that are not accompanied by the essential descriptive information may be delayed or denied.

ADVANCE WARRANTY REPLACEMENT

If the retailer does not have the replacement component in stock, MARKER Warranty can authorize an advance warranty replacement. MARKER will ship the replacement component before the defective component is returned to MARKER.

The retailer will be invoiced for the advance warranty replacement component and credit will be issued when defective component is returned.

15.3 RECORD KEEPING

RECORD KEEPING

As a MARKER Certified Technician, you are required to keep accurate and complete records of all work performed on any MARKER binding. Workshop records must be kept on file for five years or the statute of limitations of the state in which the work was performed, whichever period is longer.

Whatever workshop form is used, it must include the following required information. Omission of any one of the following items will result in denial of liability indemnification in the case of a claim. Workshop forms that meet MARKER's minimum requirements are available from MARKER.

1. **Date of transaction**

2. **Skier name / address**

3. **Skier weight / height / age / skier type**

4. **Ski brand / model / serial number / length**

5. **Boot brand / model / sole length (mm) / boot sole type (Alpine / AT)**

6. **Binding model**

7. **System inspection results: The results of all appropriate system inspections should be recorded only as "Pass" or "Fail."** If a given inspection is not required, the technician should record "N / A" for "Not Applicable" on the form.

8. **Initial visual indicator setting and final visual indicator settings for each toe and heel.**

9. **A release agreement that conforms to the one recommended by Marker.** It is essential that the release agreement signed by the skier conforms with the essential information contained in the MARKER Release Agreement.
   ➔ **17.5** WORKSHOP FORMS
   Of particular importance is the inclusion in the release language of **"MARKER or all manufacturers and distributors of this equipment, and their owners, agents and employees...."** Consult with your shop's legal counsel to ensure that the release agreement also conforms to the legal requirements of your state.

10. **MARKER Certified Technician's Signature** attesting that all functional inspections and instructional procedures have been completed. It is not a requirement that the technician who performs the work or instructs the skier be a MARKER Certified Technician, but it is imperative that the signature on the workshop form be that of a MARKER Certified Technician who has inspected and verified the work performed. Technicians must use their full signature.

11. **Skier's Signatures** and that of the skier's parent, legal guardian or agent for minor skiers and **the date** on which the equipment was received by the skier.

12. **Notes on the condition of the boot sole** if the boot sole is out of standard or otherwise unsuitable for use.

15.3 RECORD KEEPING

13. **Notes on any non-recommended release value adjustment.** If the skier has requested a release setting other than the one recommended by MARKER, this must be noted on the workshop form. Also, an additional signed and dated release must be attached to the completed workshop form.
➔ **17.5**
SPECIAL WARNING & AGREEMENT RELEASE WAIVER

14. **Refusal to serve statement:** A statement should be included whenever the technician identifies a ski / binding / boot system component that is out of standard or otherwise unsuitable for continued use. Such a statement should also be included whenever the customer refuses to have work performed that the shop has advised will help reduce the risk of injury. In addition to the required information, the shop may find it useful to include on the form the skier's home phone number, local accommodations or other information that would help the shop contact the skier in the case of a problem with the system. The information required here by MARKER represents only the minimum necessary for a proper legal defense. Additional information may be included at the retailer's discretion.

The Skier's Signature is his or her acknowledgement that he or she:

- Has read and understood the release agreement on the workshop form, which releases the shop and **MARKER** from liability.
- Has been instructed in the proper use of the equipment.
- Has received MARKER's in-box instructions (new bindings only).
- **Has verified that the visual indicator settings on the bindings correspond to the visual indicator settings recorded on the workshop form.**
- Understands that there are inherent and other risks in the sport of skiing.
- Understands that included in the release agreement is the **warning** that the binding will not release or retain under all circumstances, nor is it possible to predict every situation in which it will release or retain and it is, **therefore, no guarantee of his or her safety**.

The person who signs the form must be the intended user of the equipment. **In the case of a minor skier, the signature of the skier's parent, legal guardian or agent is also required**. Whenever possible, the minor skier should also sign the form. If the person picking up the equipment is not the skier or the skier's parent, legal guardian or agent, treat this person as though he or she were the skier and obtain his or her signature on the form next to the skier's signature.

IMPORTANT!
The MARKER Certified Technician's signature signifies that the ski / binding / boot system has been inspected in accordance with MARKER's required procedures. The MARKER Certified Technician who signs the form is also attesting that the skier has been properly instructed. The MARKER Certified Technician may sign the form after inspecting the equipment, but before the skier receives the recommended instruction and warning, as long as it is part of the shop's written policy to always provide such instruction to the skier when the equipment is delivered. The skier's signature on the form is the shop's assurance that such instructions were provided and understood.

IMPORTANT!
Without a properly completed workshop form, liability indemnification from MARKER will be denied.

15.4 SKIER INSTRUCTION

SKIER INSTRUCTION:

After the final inspection the function unit ski / ski binding / ski boot has to be given to the customer together with the workshop form and the in - box instructions.

IMPORTANT !
One of the most important responsibilities of the MARKER Authorized Retailer is to ensure that proper skier instructions and warnings are provided every time a MARKER ski binding is sold, serviced or rented. Whenever possible, the following instructions should be given directly to the intended user. If the skier is a minor, the instructions should be given in the presence of both parents or legal guardian and the skier.

ENTRY:

- Make sure that the boot sole is clear of snow, ice and dirt
- Open the heel cup by pressing down the opening lever with the ski pole tip, boot sole, ski tail or hand.
- Center the ski boot in the toe cups and step straight down into the heel cup.

EXIT:
FOR ALL TWIN CAM STEP - IN, COMPACT STEP - IN, HOLLOW LINKAGE AND INTER PIVOT HEELS:

- Press down on the opening lever with the ski pole tip, boot sole, ski tail or hand.

EXITING IN AN AWKWARD POSITION:

- If the heel is closed, open the heel by pressing down on the opening lever. Re - enter the system.
- After lateral release always exit the ski binding and re - enter again.

RE - ENTER THE SYSTEM:

- If the heel is closed, open the heel by pressing down on the opening lever.
- In soft snow while stepping in the force can be reduced
  - by pulling the opening lever (all Step - In heels)

SYSTEM EXPLANATION FOR THE SKIER:

- Explain the boot - to - binding adjustment.
- Show where the release adjustment screws are and explain the adjustment at the visual indicators on the ski bindings and how they correspond to the recorded numbers on the workshop form. The skier should know his own DIN settings and / or skier code.
- Explain the bindings compatability with boot sole types.
  (ISO Alpine boot sole only Compatible)
  -or-
  (ISO Alpine and ISO Alpine Touring Compatible)
- Explain when applicable, boots that are designed for or come with interchangeable boot sole types must be adjusted for that particular boot sole in order for the binding to function properly.
- Point out the left and the right ski indicators.
- If any system components are worn out of standard or otherwise unsuitable for continued use, the skier must be clearly informed of the problem and warned that continued use may significantly increase his or her risk of injury.
- Advise that if any problem develops with any part of the function unit ski / ski binding / ski boot it should be brought to a MARKER Authorized Retailer for inspection and service.

RECEIPT OF IN - BOX INSTRUCTIONS:

- Whenever a new ski binding is delivered to the skier he or she should receive the in - box instructions and the warranty information.

MAINTENANCE:

- Explain to the skier that the ski binding should be kept clean and free of dirt, rust, salt or other contaminants.
- Recommend that the complete function unit ski / ski binding / ski boot has to be brought to a MARKER Authorized Retailer for inspection prior to the beginning of each ski season.

SKIER SIGNATURE

- The skier must read, understand and agree to the conditions specified in the workshop form and / or any release agreement.
- Make sure that the skier signs the workshop form and /or the release agreement. If the skier is a minor, this document should be signed by a parent or a legal guardian.
- A copy of the signed documents has to be handed to the customer.

IMPORTANT !
The skier should understand that there are inherent and other risks in the sport of skiing. Explain that the ski binding will not release or retain under all circumstances nor is it possible to predict every situation in which it will release or retain and it is, therefore, no guarantee of his or her safety.

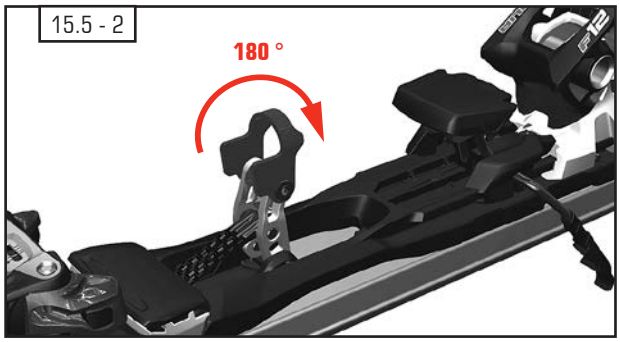
15.5 INFORMATION FOR THE SKIER - F 12 TOUR EPF & F 10 TOUR

15.5 - 1

ADDITIONAL INFORMATION FOR THE MARKER TOUR

In addition to the system explanations of page 144 / 145, the following instructions must be given to the intended user of a MARKER TOUR

15.5 - 2



CHANGING FROM SKIING - MODE TO WALKING - MODE:

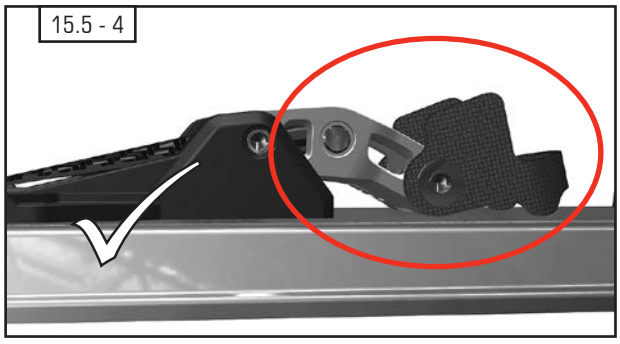
The TOUR engagement lever is located in the middle of the system plate.

With this lever you can adjust two positions (skiing - mode / walking - mode).

15.5 - 3

In order to change from the skiing - mode (locked position, 15.5 - 1) to the walking - mode (unlocked position, 15.5 - 3) switch the lever 180° backward (15.5 - 2)

15.5 - 4



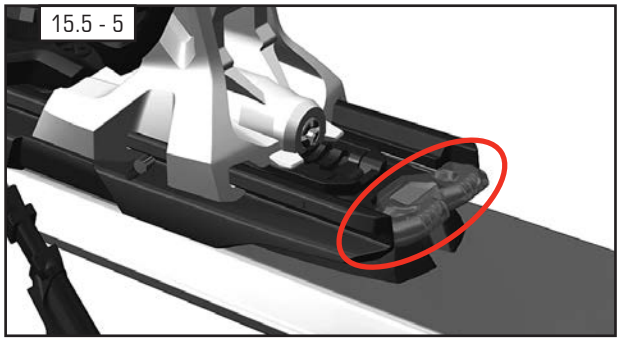
IMPORTANT !

The engagement lever has to be switched completely to the walk position, the lever hast to be flush with the ski´s top (15.5 - 4)

USING THE HIKING - AIDE:

You can use the hiking - aide (15.5 - 5) in two positions when you are in the walking - mode.

15.5 - 5

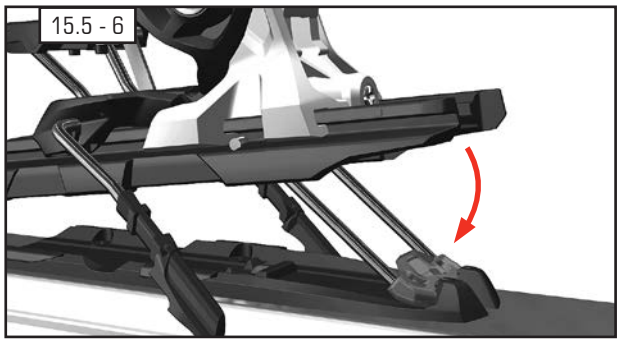


IMPORTANT !

Point out to the customer that the function of the climbing aide can be affected (the climbing aide can fold up) when the engagement lever is not completely switched to the walk position (flush with the ski top surface).

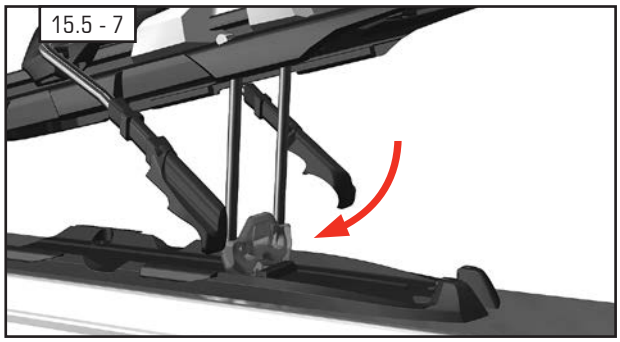
15.5 INFORMATION FOR THE SKIER - F 12 TOUR EPF & F 10 TOUR

15.5 - 6



HIKING AIDE LOW POSITION
Fold the hiking - aide downward with the ski pole or by hand to the 7 ° position (15.5 - 6).

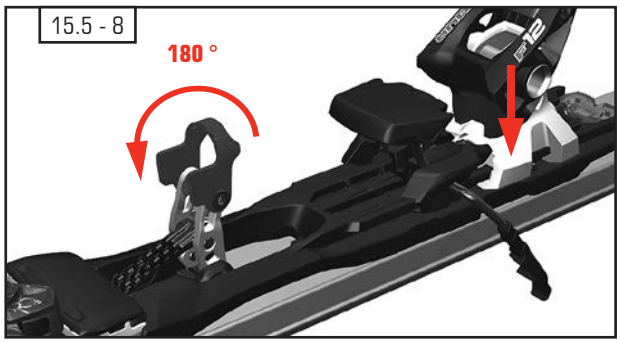
15.5 - 7



HIKING AIDE HIGH POSITION:

- Fold the hiking aide down with the ski pole or by hand to the 13 ° position. (15.5 - 7)

15.5 - 8



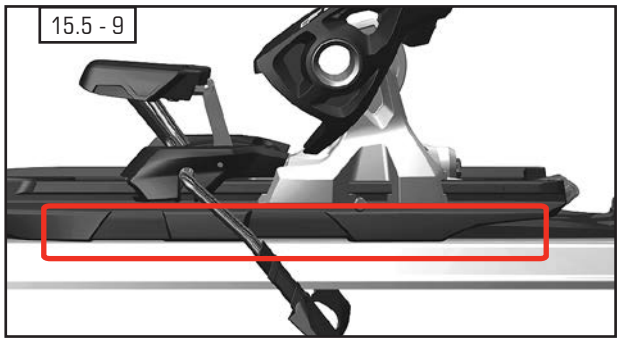
HIKING AIDE BASIC POSITION:

- Fold the hiking aide up to the basic position with the ski pole or by hand.

CHANGING FROM WALKING - MODE TO SKIING - MODE:

REMARK:
Free the bindings from snow and ice before changing from the walking - mode to the skiing - mode !

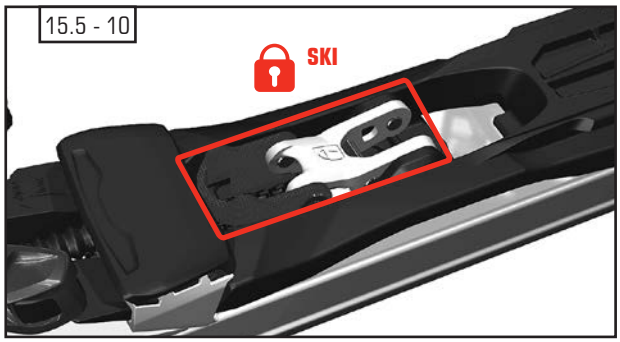
15.5 - 9



In order to change from the walking - mode (unlocked position) to the skiing - mode (locked position) switch the lever 180° forward (15.5 - 8).

CAUTION !
Press down the TOUR plate while you switch the engagement lever to the locked position !
Assure that the TOUR plate is fully and uniformly sliding into the heel plate attachments (15.5 - 9) !

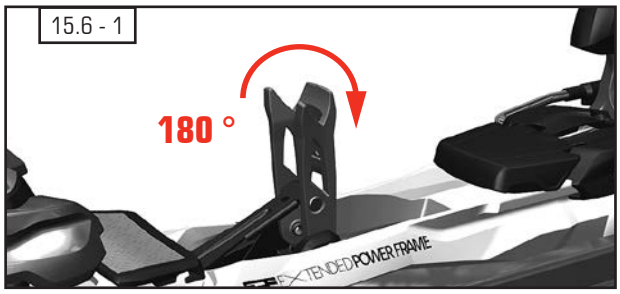
15.5 - 10



CAUTION !
Do not ski in the walking - mode (unlocked position) (15.5 - 10) !

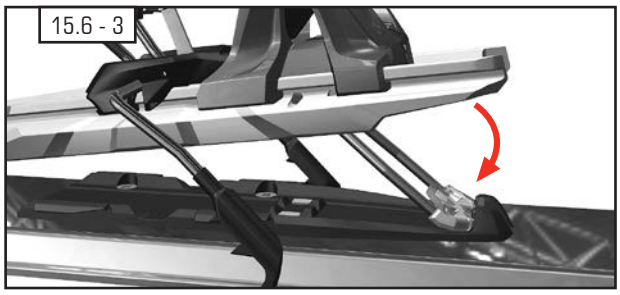
15.6 INFORMATION FOR THE SKIER - DUKE PRO EPF & BARON EPF

15.6 - 1

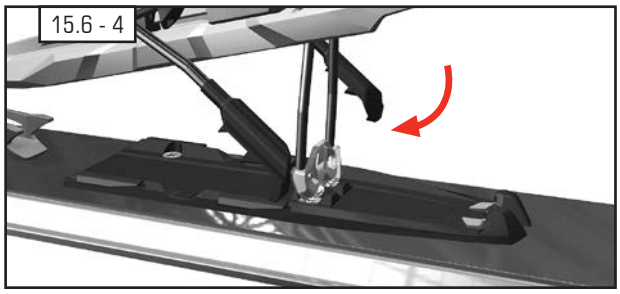


15.6 - 2

15.6 - 3



15.6 - 4



15.6 - 5

15.6 - 6

ADDITIONAL INFORMATION FOR THE MARKER DUKE EPRO PF & BARON EPF

In addition to the skier instruction **15.4**, the following instructions must be given to the intended user of a MARKER DUKE PRO EPF and BARON EPF:

CHANGING FROM SKIING - MODE TO WALKING - MODE:

The BCT engagement lever is located in the middle of the BCT plate. With this lever you can adjust two positions (skiing - mode / walking - mode). In order to change from the skiing - mode (locked position) to the walking - mode (unlocked position) switch the lever 180° backward (15.6 - 1 and 15.6 - 2).

USING THE HIKING - AIDE:

You can use a hiking - aide in two positions when you are in the walking - mode.

Hiking aide low position:

- Fold the hiking - aide downward with the ski pole or by hand to the 7 ° position. (15.6 - 3)

Hiking aide high position:

- Fold the hiking aide down with the ski pole or by hand to the 13 ° position. (15.6 - 4)

CHANGING FROM WALKING - MODE TO SKIING - MODE:

In order to change from the walking - mode (unlocked position) to the skiing - mode (locked position) switch the lever 180° forward (15.6 - 5 and 15.6 - 6).

CAUTION !

Press down the BCT plate while you switch the BCT engagement lever to the locked position !
Assure that the BCT plate is fully and uniformly sliding into the heel plate attachments ! (15.6 - 7)

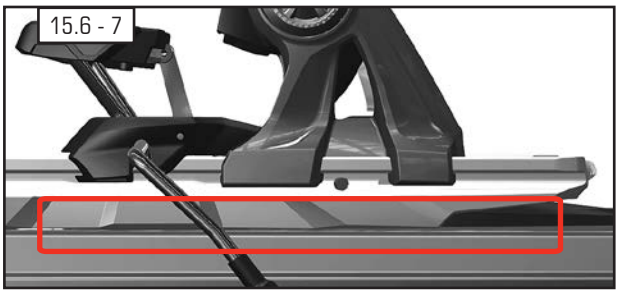
REMARK:

Clean the bindings from snow and ice before changing from the walking - mode to the skiing - mode !

CAUTION !

Do not ski in the walking - mode (unlocked position) !

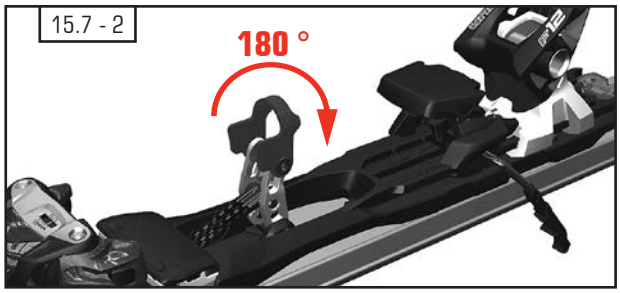
15.6 - 7



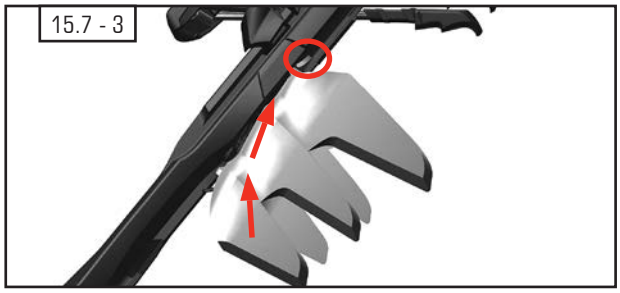
15.7 INFORMATION FOR THE SKIER - F 10 TOUR CRAMPON

15.7 - 1

15.7 - 2

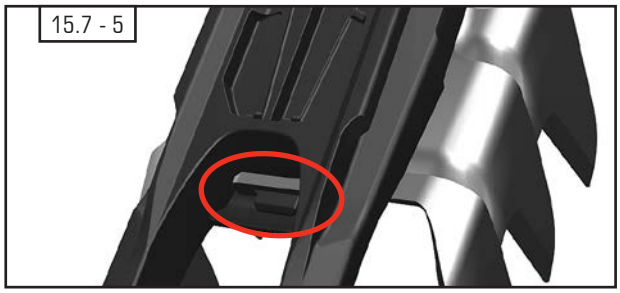


15.7 - 3

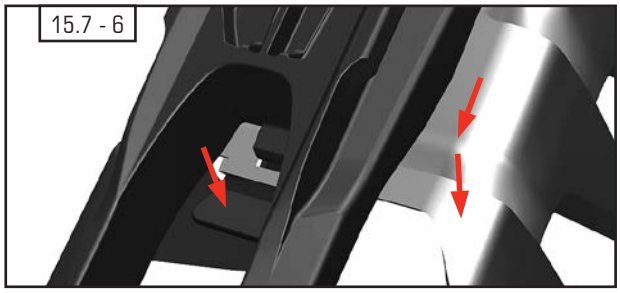


15.7 - 4

15.7 - 5



15.7 - 6



ADDITIONAL INFORMATION FOR THE MARKER MARKER DUKE & BARON & TOUR

CRAMPONS:

MARKER offers special crampons for the MARKER MARKER DUKE & BARON & TOUR (15.7 - 1)

Crampon 82 mm for ski width →74 mm:	Art.-Nr. H003K1A
Crampon 92 mm for ski width →84 mm:	Art.-Nr. H001M1A
Crampon 113 mm for ski width →106 mm:	Art.-Nr. H002N1A
Crampon 128 mm for ski width →120 mm:	Art.-Nr. H004M1A

ATTACHING THE CRAMPONS:

- Open the engagement lever to the walking - mode (15.7 - 2).

- Lift the plate and attach the crampon from below by sliding it backwards (15.7 - 3).

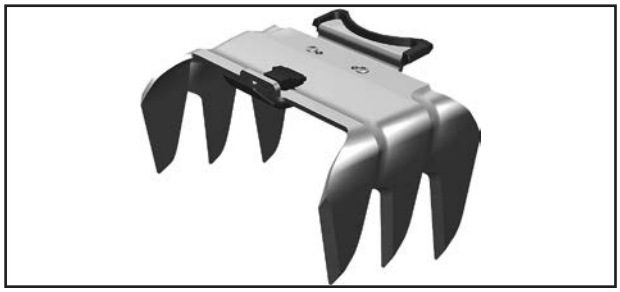
CAUTION !
Ensure that the crampon is properly engaged in the plate. (15.7 - 4 and 15.7 - 5)

CAUTION !
Do not use the crampon in combination with the high position hiking aid

DETACHING THE CRAMPONS:

- Press down the black plastic lever from above and detach the crampon from the BCT plate (15.7 - 6).

15.8 INFORMATION FOR THE SKIER - DUKE EPF & BARON EPF & TOUR EPF

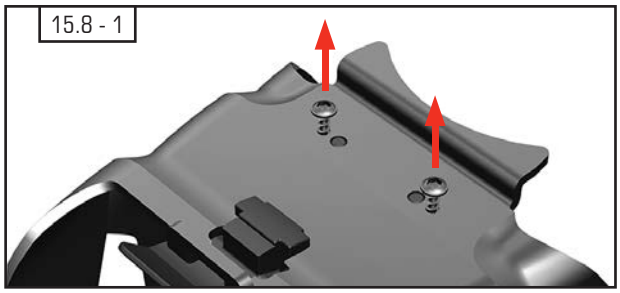


ADDITIONAL INFORMATION FOR THE MARKER DUKE EPF & BARON EPF & TOUR EPF:

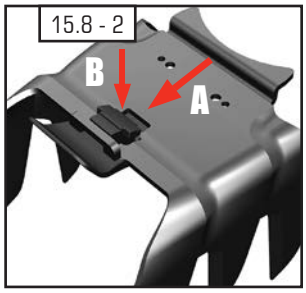
ADAPTER FOR CRAMPONS:

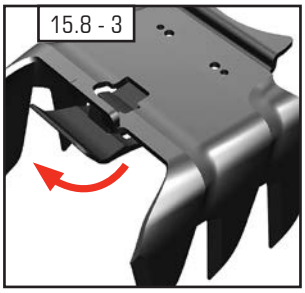
For fitting the crampon to the plate of the DUKE EPF & BARON EPF & TOUR EPF the accompanying crampon adapter must be mounted on the crampons.

(Exception: crampon 128mm H004M1A & 113 mm H002N1A with premounted adapter)

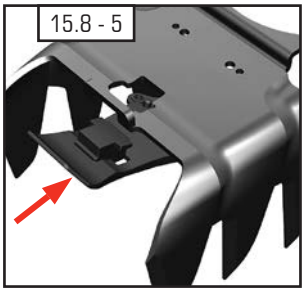


- Remove the screws (15.8 - 1)

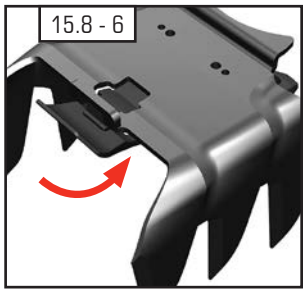


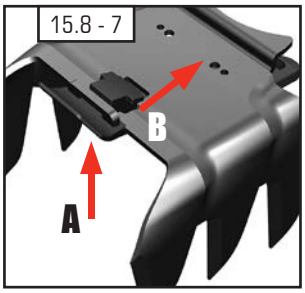


- Push the clamp down and towards the front, away from the crampon. (15.8 - 2 and 15.8 - 3)

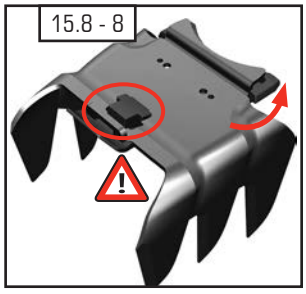


- Fit the adapter (15.8 - 4) from the front / bottom to the crampon as shown. (15.8 - 5 and 15.8 - 6)



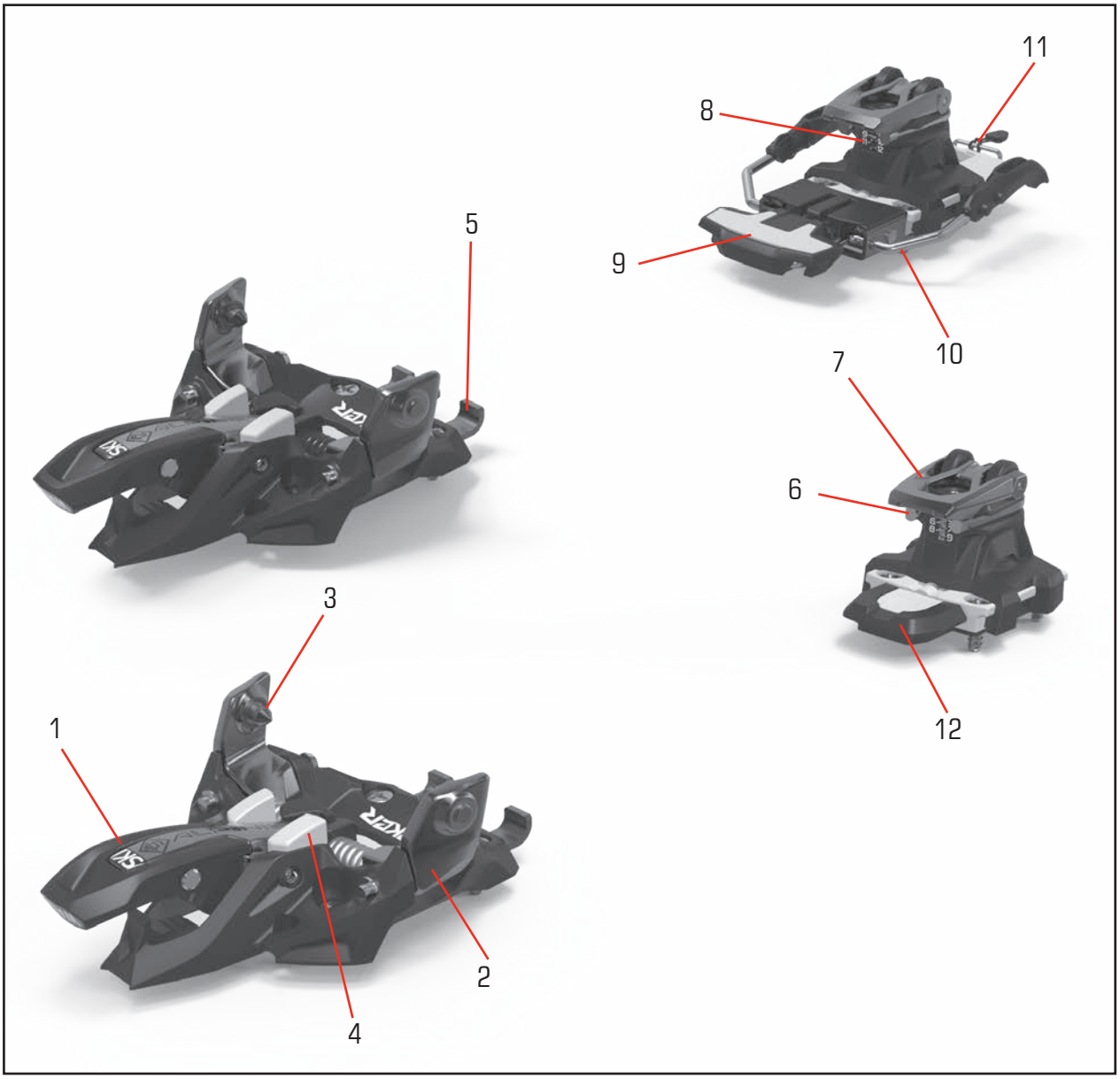


- Push the crampon adapter upwards and towards the back until it clicks into place. (15.8 - 7 and 15.8 - 8)



- Fit the screws and tighten them by hand. (15.8 - 9)

16.1 MARKER ALPINIST & ALPINIST LONG TRAVEL BINDING COMPONENTS



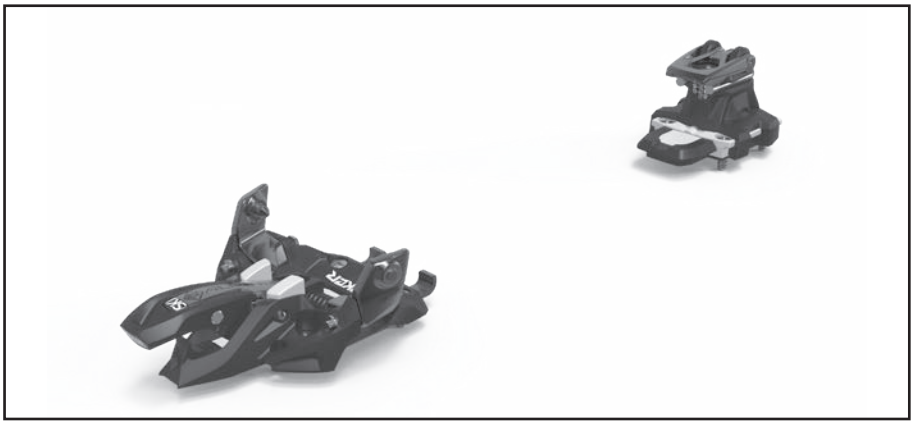
MARKER ALPINIST & ALPINIST LONG TRAVEL BINDING COMPONENTS:

1 - Opening lever toe
2 - Soleholder toe
3 - Pin-Tech toe retaining pins
4 - Step-in aids toe
5 - Crampon holder
6 - Locking bolt heel
7 - Hiking aid
8 - Indicator scale for release value
9 - Brake pedal
10 - Brake arm
11 - Brake lever
12 - Heel platform

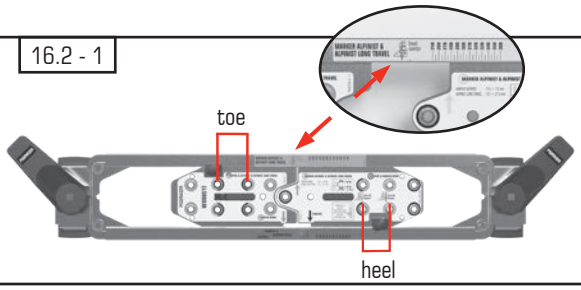
CAUTION !
MARKER ALPINIST ski bindings do not meet ISO Certification.

MARKER ALPINIST ski bindings are compatible with ski boots with tech inserts to the Dynafit specification of 29.09.2009. In addition, some boot manufacturers have developed boots and manufactured their own inserts for their touring ski boots which should be suitable for Pin-Tech bindings. However, Marker cannot guarantee that these inserts will function correctly.

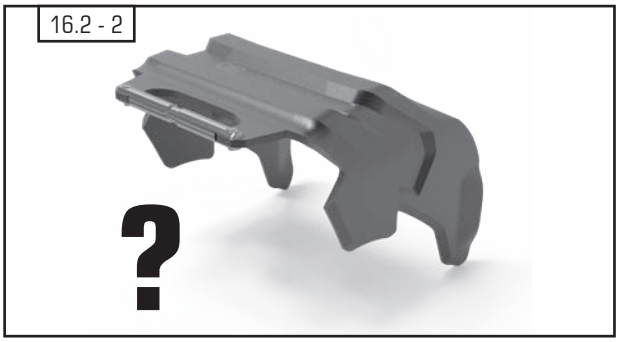
16.2 INSTALLATION OF MARKER ALPINIST BINDINGS



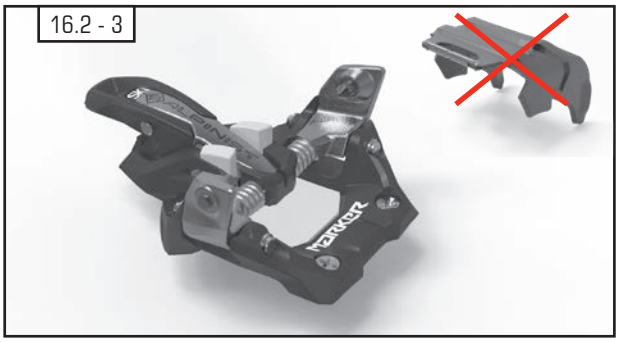
16.2 - 1



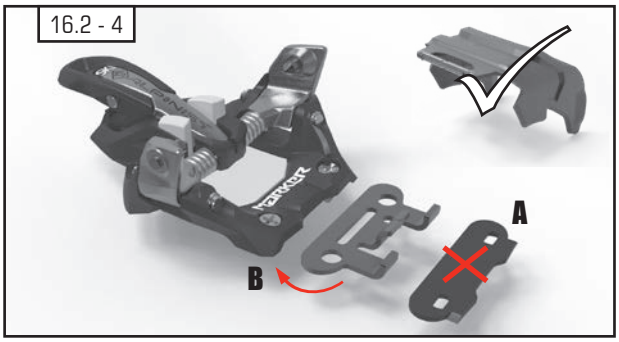
16.2 - 2



16.2 - 3



16.2 - 4



DRILLING THE ATTACHMENT HOLES:

IMPORTANT !

sole length	tool length settings
243 - 249 mm 361 - 367 mm	250 mm 360 mm

- Place the MARKER KINGPIN & ALPINIST installation tool W008S1T in the correct position on the ski. (16.2 - 1)
- Drill 4 holes for the toe through the front green marked drill bushings.
- Drill 4 holes for the heel plate through the rear green marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

IMPORTANT !
The total load of 110 kg / 242 lbs for the binding system must not be exceeded.

INSTALLING THE TOE:

- Determine the requested mounting option: (16.2 - 2)

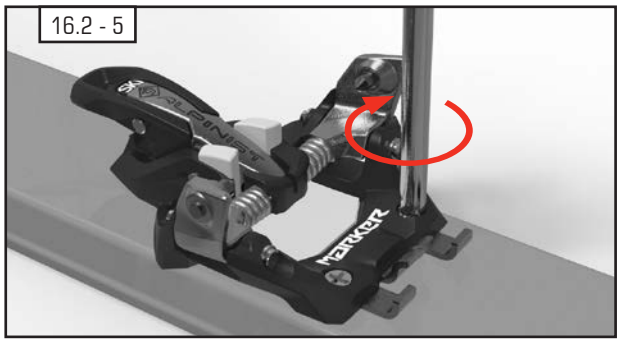
MOUNTING OPTION A without crampon holder (16.2 - 3)

MOUNTING OPTION B with crampon holder (16.2 - 4)

- For mounting the toe with crampon holder remove the premounted spacer **A** and replace it by the enclosed crampon holder **B**.

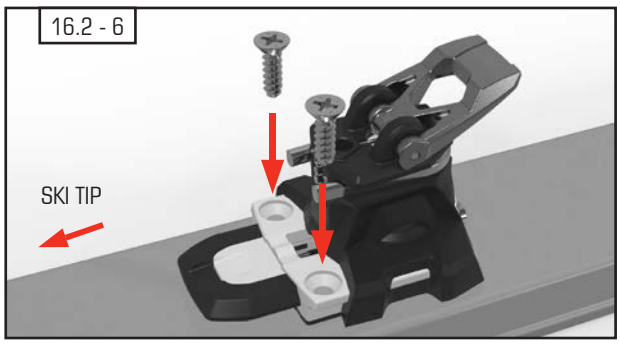
16.2 INSTALLATION OF MARKER ALPINIST BINDINGS

16.2 - 5



- Install the toe with the pre - installed screws in the front holes.
- Tighten the screws lightly, then firmly. (16.2 - 5)

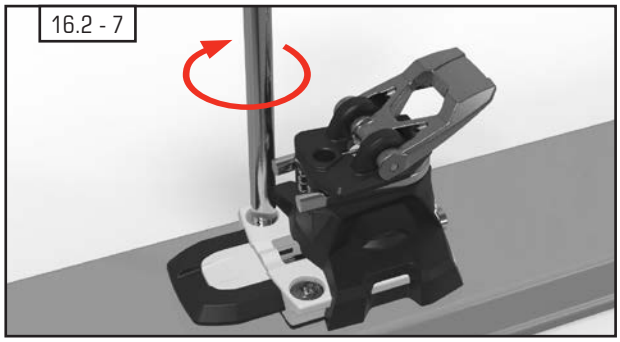
16.2 - 6



INSTALLING THE HEEL:

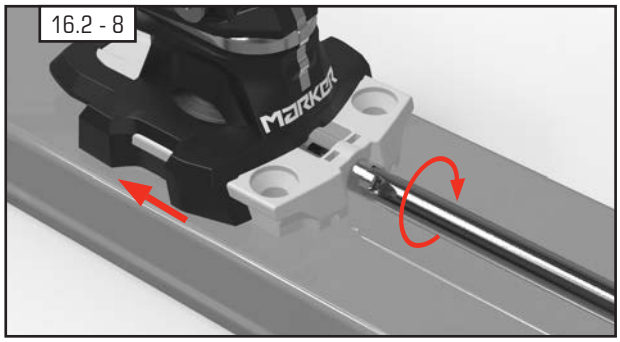
- Install the heel with the heel platform facing forward to the rear holes. Insert the two front screws. (16.2 - 6)

16.2 - 7



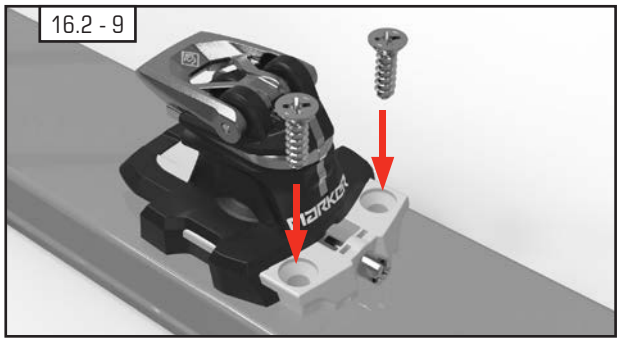
- Tighten the screws lightly, then firmly. (16.2 - 7)

16.2 - 8



- Screw the heel forward by turning the length adjustment screw until the rear screw holes are accessible. (16.2 - 8)

16.2 - 9



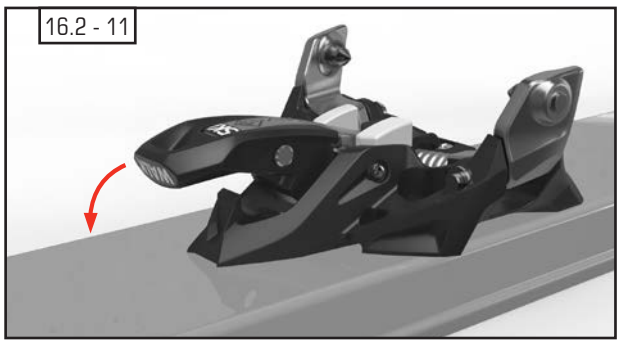
- Insert the two rear screws. (16.2 - 9)

16.2 INSTALLATION OF MARKER ALPINIST BINDINGS

16.2 - 10

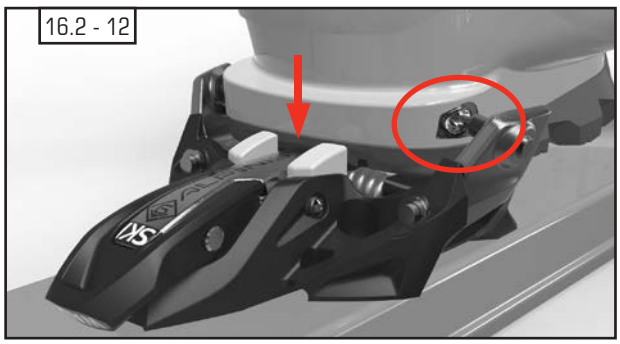
- Tighten the screws lightly, then firmly. (16.2 - 10)

16.2 - 11



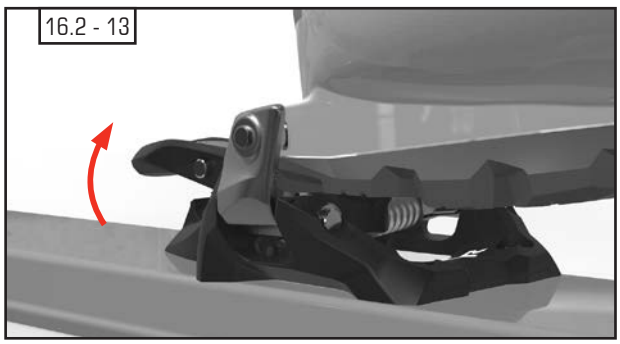
- Open the toe by pressing down the toe opening lever. (16.2 - 11)

16.2 - 12



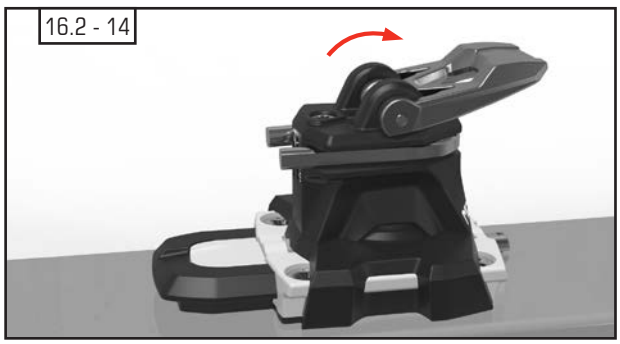
- Position the tip of the ski boot between the Pin-Tech retaining pins on the toe. Then press the tip of the boot down and step into the toe. (16.2 - 12)

16.2 - 13



- The pins must be locked fully into position in the insert, the toe opening lever has to snap to the "Ski" position. (16.2 - 13)

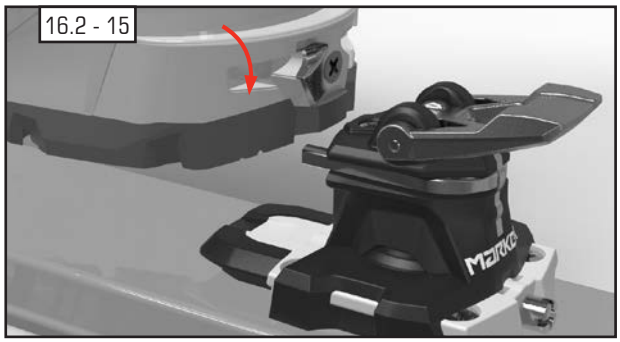
16.2 - 14



- Push the hiking aid backwards. (16.2 - 14)

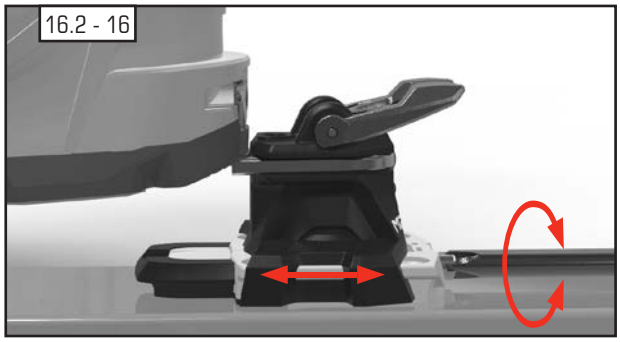
16.2 INSTALLATION OF MARKER ALPINIST BINDINGS

16.2 - 15



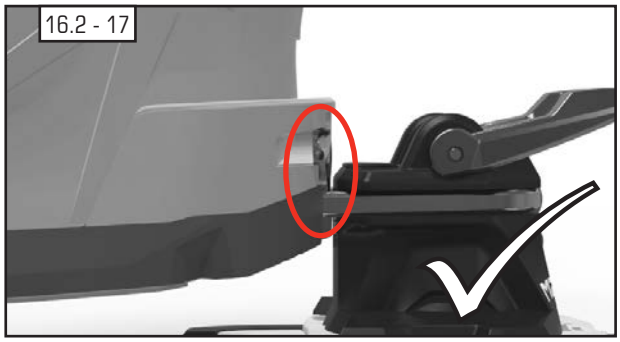
- Attach the heel of the boot to the heel binding. (16.2 - 15)

16.2 - 16



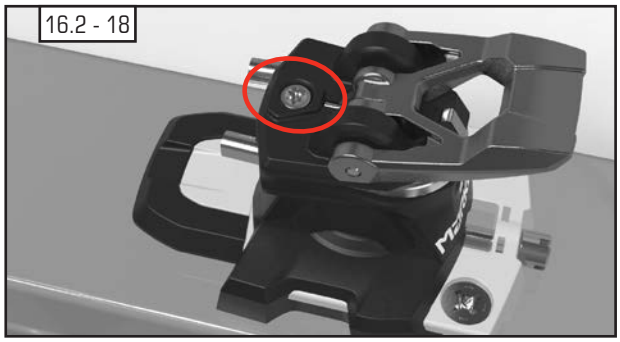
- Position the heel by turning the length adjustment screw. (16.2 - 16)

16.2 - 17



- Check the correct heel position: the boot has to be flush with the heel housing. Check by insering a test strip between the boot and the heel housing. The test strip should be able to be removed without tearing. (16.2 - 17)

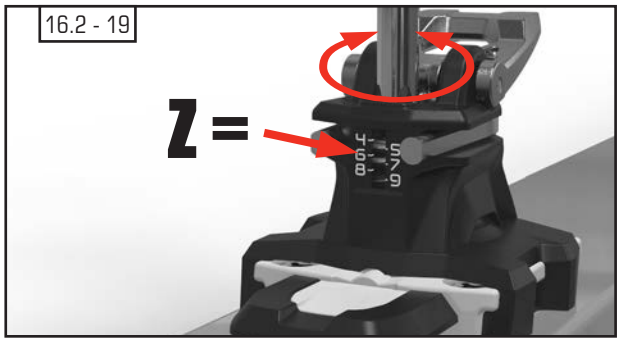
16.2 - 18



IMPORTANT!
For the adjustment of the lateral heel release force, a Torx TX 20 is needed ! (16.2 - 18)

- Adjust the lateral release force. (16.2 - 19)

16.2 - 19

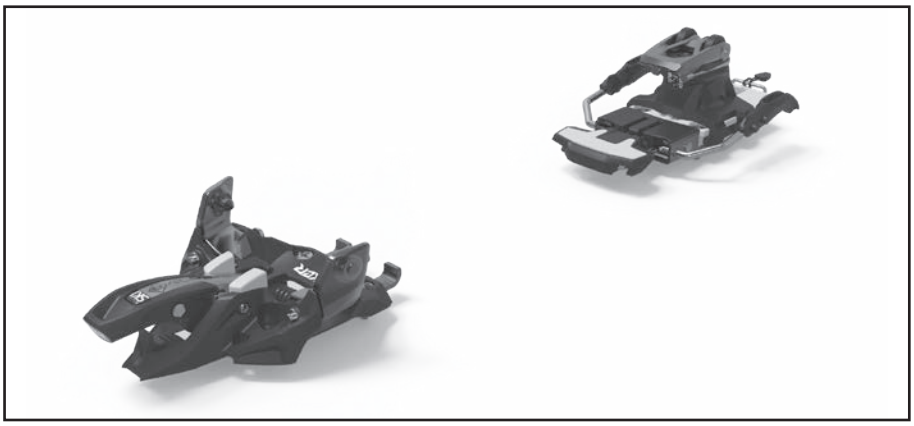


IMPORTANT INFORMATION FOR THE SKIER!
Explain that **MARKER ALPINIST** ski bindings do not meet any ISO Certification and therefore the release function does not need to be tested to verify function release.

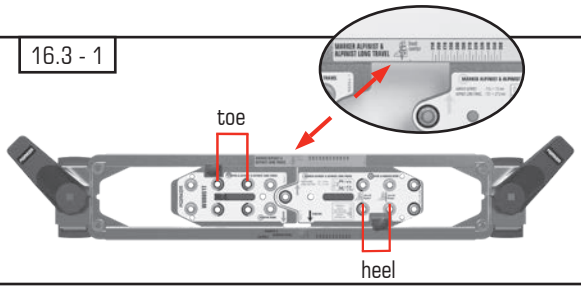
Show where the release adustment screw is located and explain the visual indicators on the binding and how they do not directly correlate to the initial indicator values on the adjustment chart, but serve as a good starting point for binding setup. Explain the U-BOW (Spring) is a fixed verticle release force and can be changed to achieve the skiers preferred vertical release. Advise the skier as to the correct U-BOW (Spring) per their release/retention preference.

The initial indicator values should be used as a starting point for the binding setting process and may need to be modified in order for the skier to achieve correct retention preference.

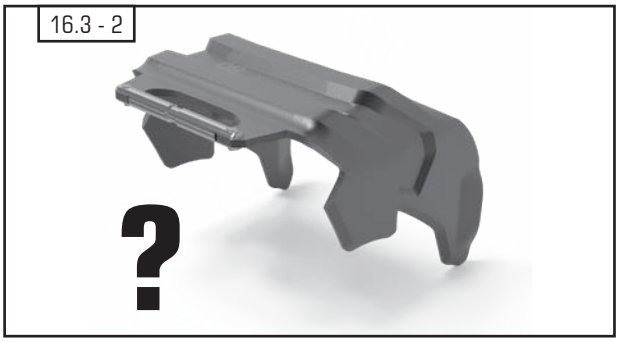
16.3 INSTALLATION OF MARKER ALPINIST LONG TRAVEL BINDINGS



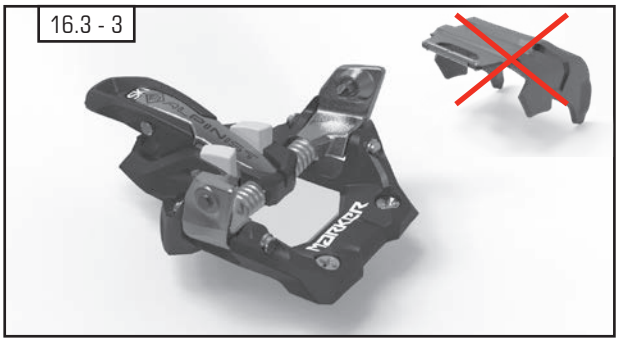
16.3 - 1



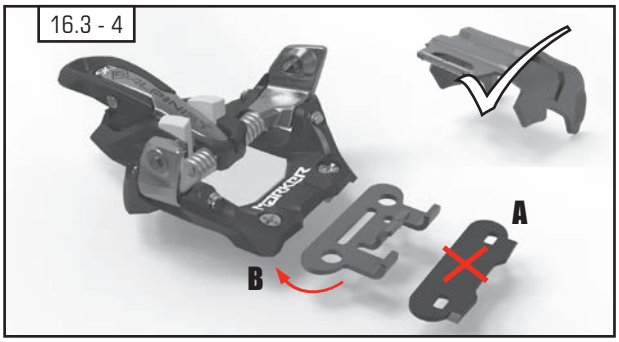
16.3 - 2



16.3 - 3



16.3 - 4



DRILLING THE ATTACHMENT HOLES:

IMPORTANT !

sole length	tool length settings
243 - 249 mm 361 - 387 mm	250 mm 360 mm

- Place the MARKER KINGPIN & ALPINIST installation tool W008S1T in the correct position on the ski. (16.3 - 1)
- Drill 4 holes for the toe through the front green marked drill bushings.
- Drill 4 holes for the heel plate through the rear green marked drill bushings.
- Remove the installation tool from the ski.

REMARK:
See DRILLING INSTRUCTIONS ➔ **3.2**

IMPORTANT !
The total load of 110 kg / 242 lbs for the binding system must not be exceeded.

INSTALLING THE TOE:

- Determine the requested mounting option: (16.3 - 2)

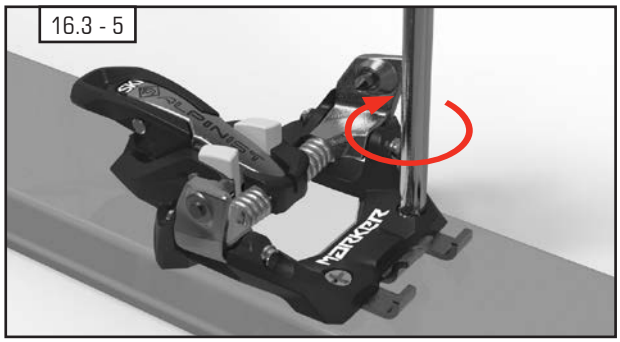
MOUNTING OPTION A without crampon holder (16.3 - 3)

MOUNTING OPTION B with crampon holder (16.3 - 4)

- For mounting the toe with crampon holder remove the premounted spacer **A** and replace it by the enclosed crampon holder **B**.

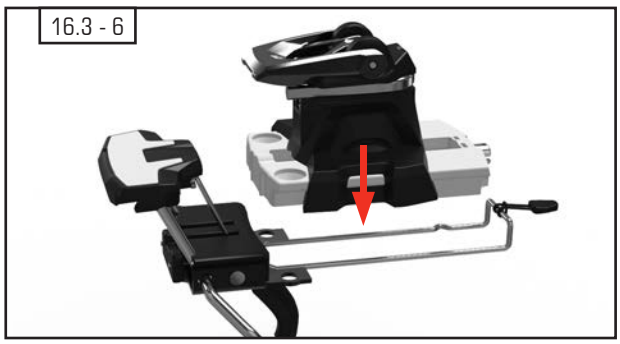
16.3 INSTALLATION OF MARKER ALPINIST LONG TRAVEL BINDINGS

16.3 - 5



- Install the toe with the pre - installed screws in the front holes.
- Tighten the screws lightly, then firmly. (16.3 - 5)

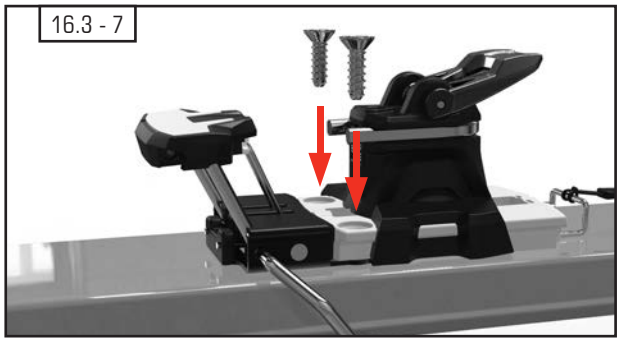
16.3 - 6



INSTALLING THE HEEL:

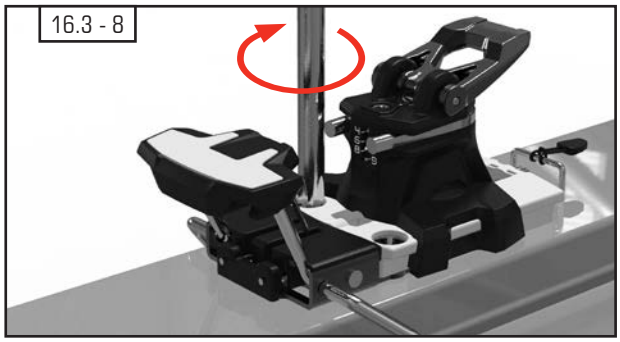
- Mount the heel from top to the brake. (16.3 - 6)

16.3 - 7



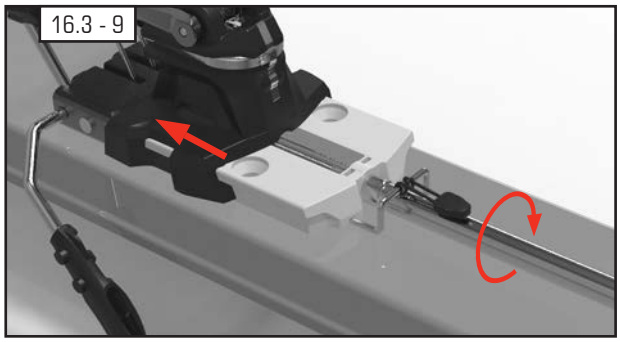
- Install the heel to the rear holes. Insert the two front screws. (16.3 - 7)

16.3 - 8



- Tighten the screws lightly, then firmly. (16.3 - 8)

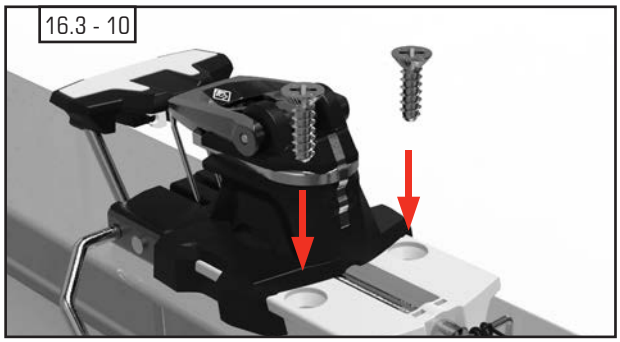
16.3 - 9



- Screw the heel forward by turning the length adjustment screw until the rear screw holes are accessible. (16.3 - 9)

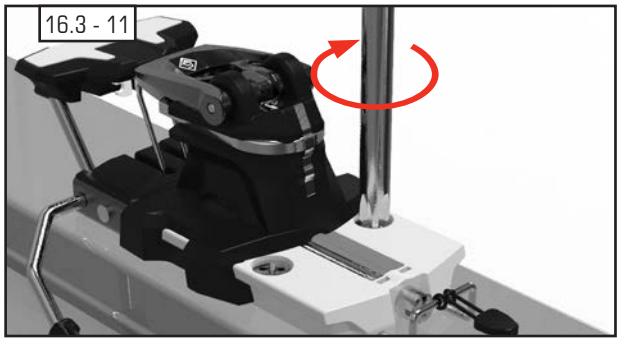
16.3 INSTALLATION OF MARKER ALPINIST LONG TRAVEL BINDINGS

16.3 - 10



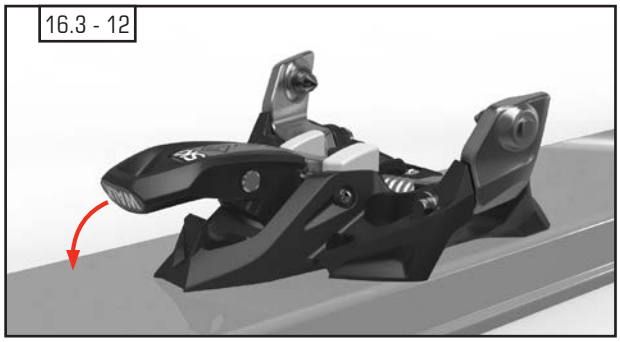
- Insert the two rear screws. (16.3 - 10)

16.3 - 11



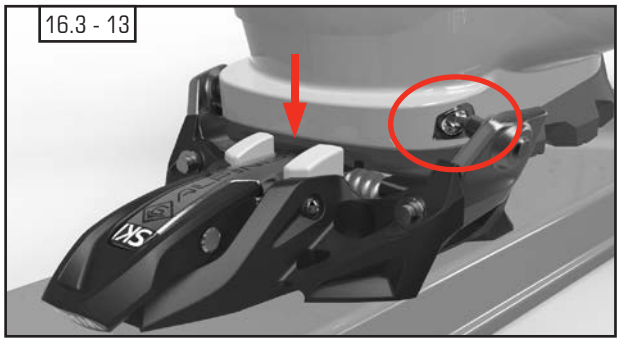
- Tighten the screws lightly, then firmly. (16.3 - 11)

16.3 - 12



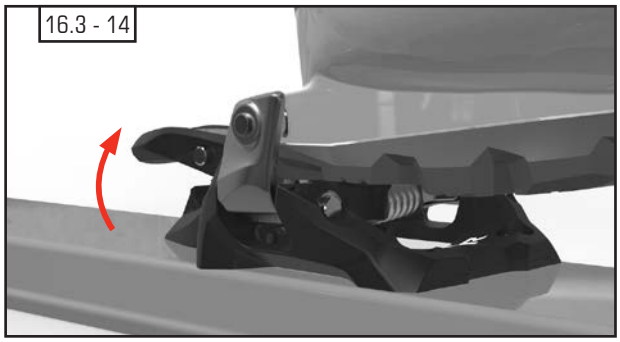
- Open the toe by pressing down the toe opening lever. (16.3 - 12)

16.3 - 13



- Position the tip of the ski boot between the Pin-Tech retaining pins on the toe. Then press the tip of the boot down and step into the toe. (16.3 - 13)

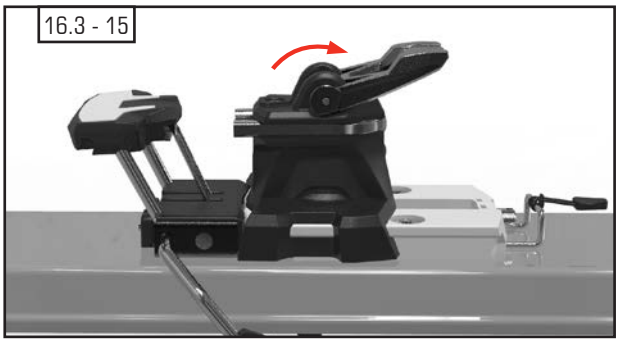
16.3 - 14



- The pins must be locked fully into position in the insert, the toe opening lever has to snap to the "Ski" position. (16.3 - 14)

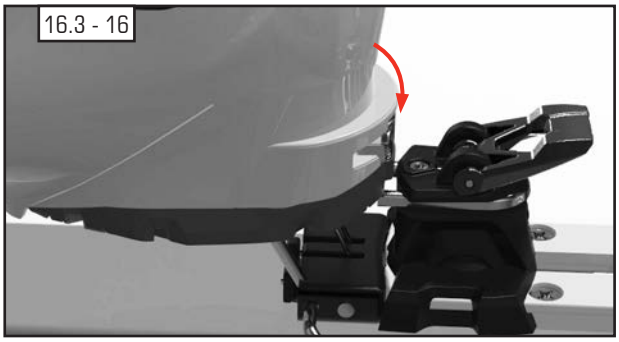
16.3 INSTALLATION OF MARKER ALPINIST LONG TRAVEL BINDINGS

16.3 - 15



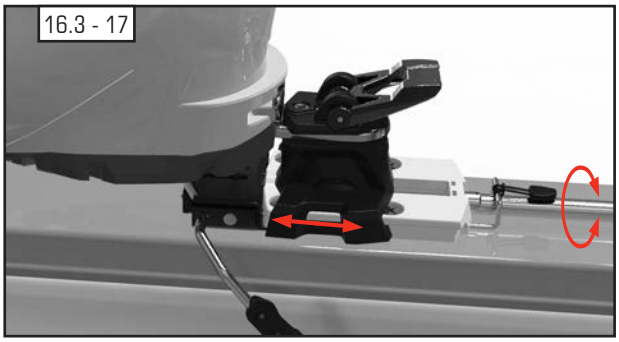
- Push the hiking aid backwards. (16.3 - 15)

16.3 - 16



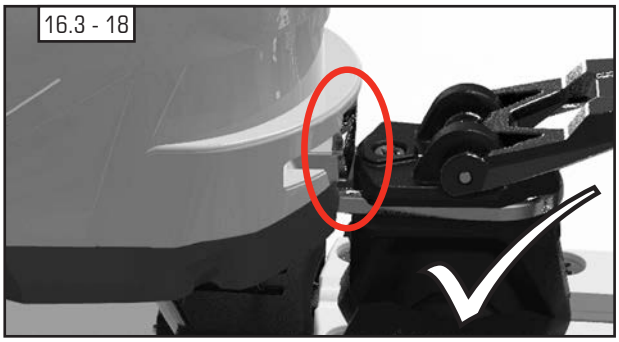
- Attach the heel of the boot to the heel binding. (16.3 - 16)

16.3 - 17



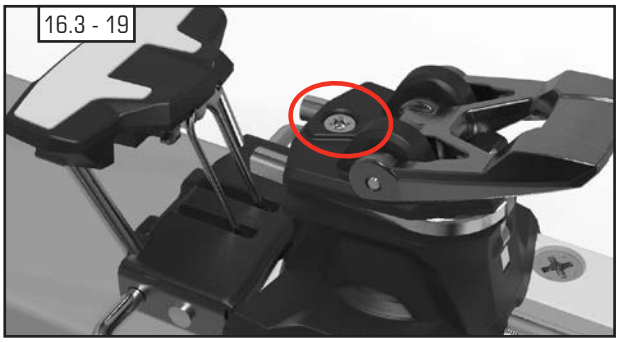
- Position the heel by turning the length adjustment screw. (16.3 - 17)

16.3 - 18



- Check the correct heel position: the boot has to be flush with the heel housing. (16.3 - 18)

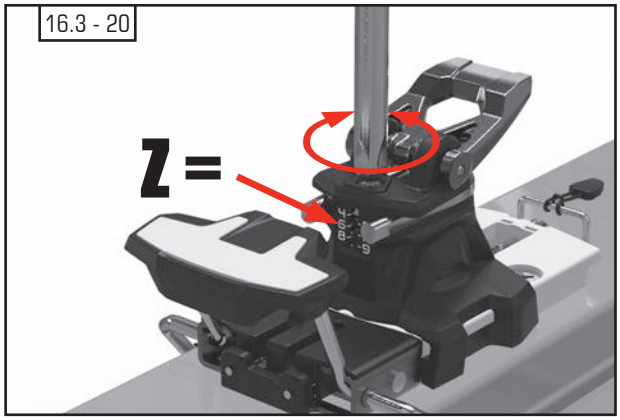
16.3 - 19



IMPORTANT !
For the adjustment of the lateral heel release force a Torx TX 20 is needed ! (16.3 - 19)

16.3 INSTALLATION OF MARKER ALPINIST LONG TRAVEL BINDINGS

16.3 - 20



- Adjust the lateral release force. (16.3 - 20)

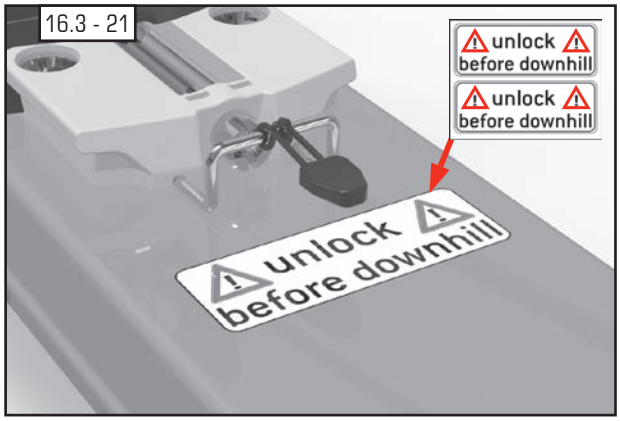
IMPORTANT INFORMATION FOR THE SKIER!

Explain that **MARKER ALPINIST** ski bindings do not meet any ISO Certification and therefore the release function does not need to be tested to verify function release.

Show where the release adustment screw is located and explain the visual indicators on the binding and how they do not directly correlate to the initial indicator values on the adjustment chart, but serve as a good starting point for binding setup. Explain the U-BOW (Spring) is a fixed verticle release force and can be changed to achieve the skiers preferred vertical release. Advise the skier as to the correct U-BOW (Spring) per their release/retention preference.

The initial indicator values should be used as a starting point for the binding setting process and may need to be modified in order for the skier to achieve correct retention preference.

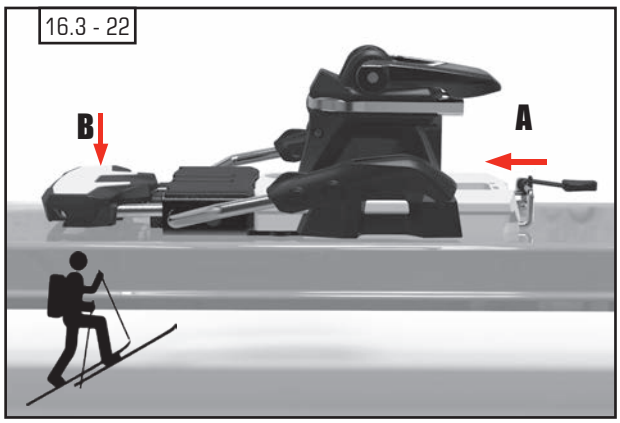
16.3 - 21



NOTE:

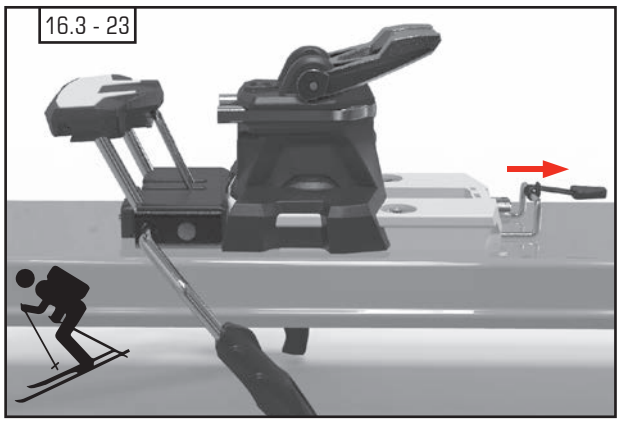
When mounting the binding make sure that you attach the enclosed stickers to the ski. (16.3 - 21)

16.3 - 22



- Changing the brake over from descent to ascent position: Slide the brake lever forward until you feel it lock in place. The brake is engaged by hand by pushing the brake pedal down or by stepping down on the pedal when stepping into the binding. (16.3 - 22)

16.3 - 23



- Changing the brake over from ascent to descent position: To disengage the brake, push the brake lever backward until you feel it lock in place. (16.3 - 23)

16.4 MARKER ALPINIST & ALPINIST LONG TRAVEL - INFORMATION FOR THE SKIER

16.4 - 1

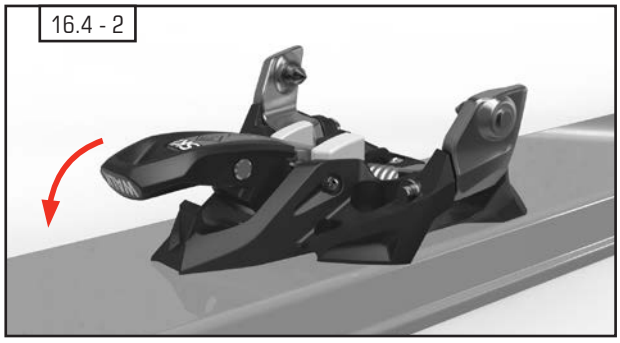
The following instructions must be given to the intended user of a MARKER ALPINIST / ALPINIST LONG TRAVEL binding:

NOTE:
The total load of 110 kg / 242 lbs for the binding system must not be exceeded. (16.4 - 1)

CAUTION:
MARKER ALPINIST ski bindings do not meet ISO Certification.

MARKER ALPINIST ski bindings are compatible with ski boots with tech inserts to the Dynafit specification of 29.09.2009. In addition, some boot manufacturers have developed boots and manufactured their own inserts for their touring ski boots which should be suitable for Pin-Tech bindings. However, Marker cannot guarantee that these inserts will function correctly.

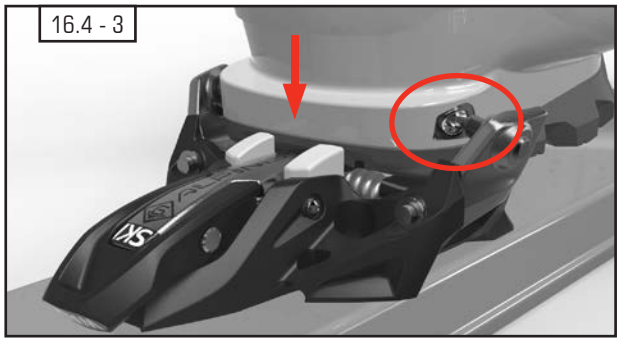
16.4 - 2



STEP IN:

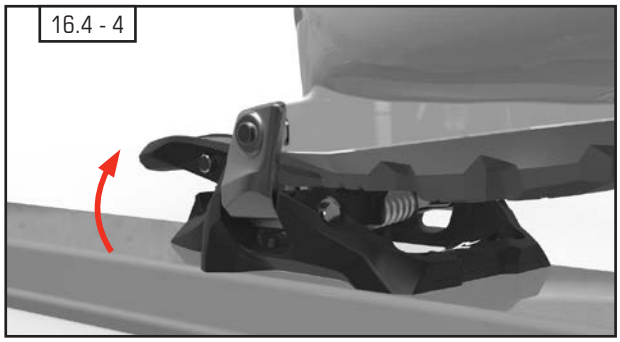
- Clear snow, ice and dirt from the sole of the ski boot and the Pin-Tech inserts before stepping into the binding.
- If the toe is closed, open it by pressing down the toe opening lever. (16.4 - 2)

16.4 - 3



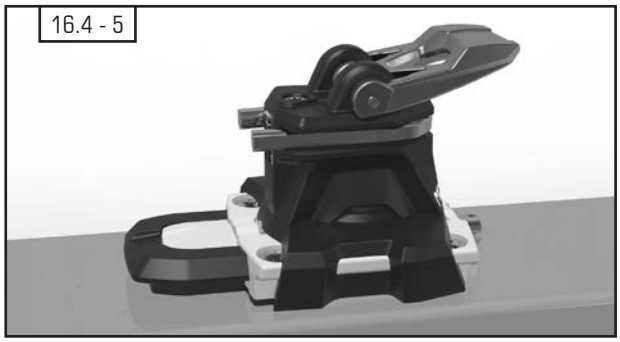
- Position the tip of the ski boot on the toe's step-in aids and between the Pin-Tech retaining pins on the toe. (16.4 - 3)
- Then press the tip of the boot down and step into the toe until the pins are locked fully into position in the insert, the toe opening lever has to snap to the "Ski" position. (16.4 - 4)

16.4 - 4



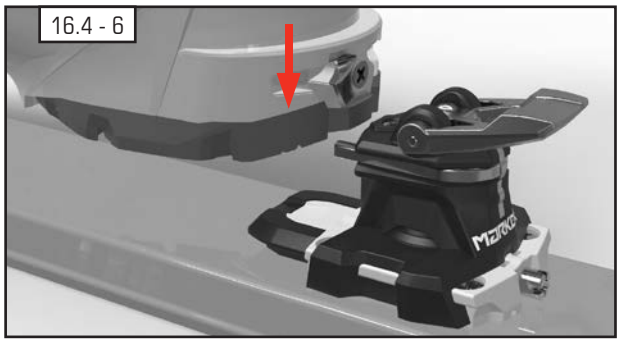
- Move the locked boot back and forth several times to ensure that boot and binding are securely connected.

16.4 - 5

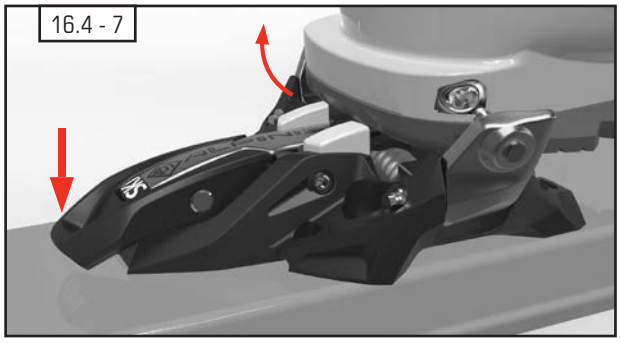


- Ensure that the heel holder is turned to the travel position, the locking bolts in the heel holder face forward and the hiking aid is pressed backwards.(16.4 - 5)

16.4 MARKER ALPINIST & ALPINIST LONG TRAVEL - INFORMATION FOR THE SKIER

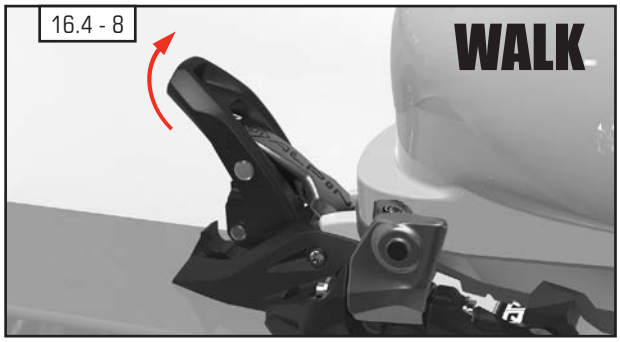


- Close the binding by stepping the heel of the boot straight down into the U-BOW (Spring) engaging the U-BOW (Spring) with the tech insert. (16.4 - 6)



STEP OUT (INCLUDING AFTER A FALL IN AN EMERGENCY)

- Press down the opening lever on the toe with a ski pole, ski, ski boot or by hand.
- Lift the tip of the ski boot slightly and rotate the boot sideways out of the binding. (16.4 - 7)



CHANGE OVER FROM SKIING TO HIKING POSITION:

- There is an adjusting lever at the front end of the toe that can be used to choose between the positions for skiing (SKI) and hiking (WALK). To switch from the skiing position to hiking mode in order to walk with the binding, pull this lever upwards. (16.4 - 8)

- Turn the heel by 180° so that the locking bolts in the heel face towards the tail of the ski. (16.4 - 9)

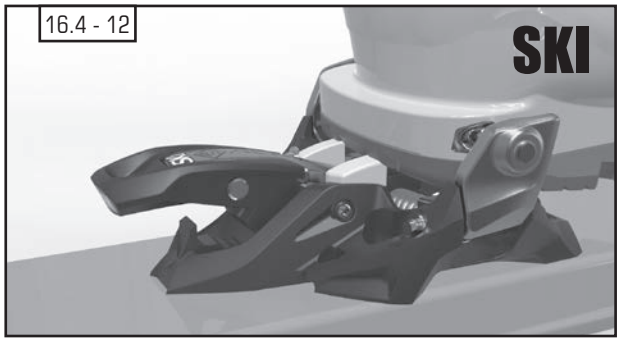
USING THE HIKING AID

- In hiking mode, you can use two hiking aids with different angles. Lower hiking aid position: to use this position: Turn the heel holder by 180 ° (locking bolts face forward) and turn the hiking aid over forwards (16.4 - 10).

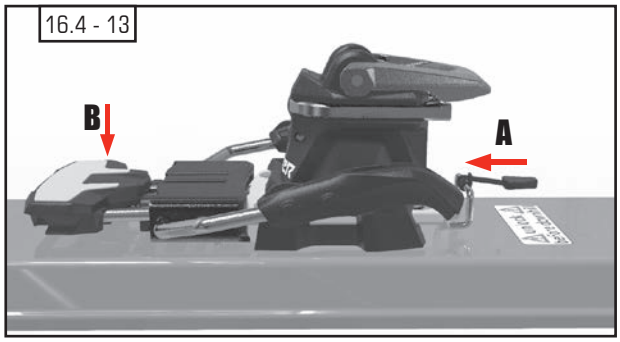
16.4 MARKER ALPINIST & ALPINIST LONG TRAVEL - INFORMATION FOR THE SKIER

16.4 - 11

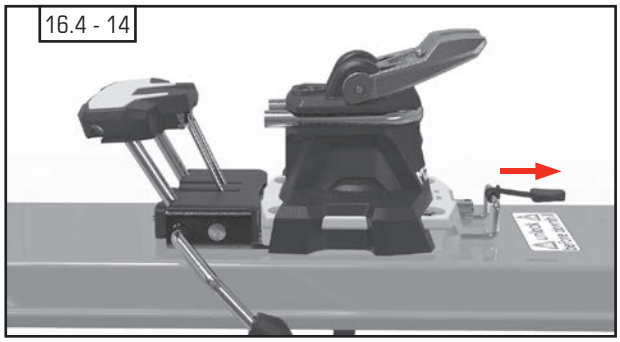
16.4 - 12



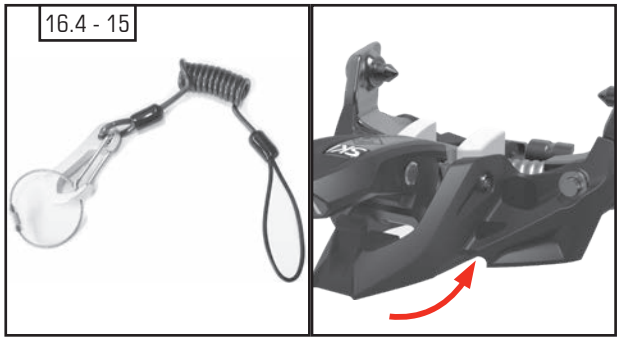
16.4 - 13



16.4 - 14



16.4 - 15



- Upper hiking aid position: to use this position: Turn the heel holder by 180° (locking bolts face backward) and push the hiking aid forward. (16.4 - 11)

CHANGE OVER FROM HIKING TO SKIING POSITION

- For downhill skiing, always make sure that the adjusting lever (at the front end of the toe) is in the flat skiing position. In order to ensure the release function, the binding should always be in downhill mode (SKI) on descents (16.4 - 12) ! Ensure that the heel holder is turned to the travel position, the locking bolts in the heel holder face forward and the hiking aid is folded backwards. (see: 16.4 - 5)

SKI BRAKE:

- MARKER offers ski brakes with different widths for the binding models MARKER ALPINIST. These ski brakes should be retrofitted by the specialist dealer. The MARKER ALPINIST LONG TRAVEL models are fitted with brakes as standard.

- Changing the brake over from descent to ascent position: Slide the brake lever forward until you feel it lock in place. The brake is engaged by hand by pushing the brake pedal down or by stepping down on the pedal when stepping in. (16.4 - 13)

- Changing the brake over from ascent to descent position: To disengage the brake, push the brake lever backward until you feel it lock in place. (16.4 - 14)

NOTE:
The brake must always be disengaged on descents in order for it to function correctly. It is recommended that you remove the skins from the ski only after disengaging the brake.

IMPORTANT SAFETY ADVICE !
The MARKER ALPINIST / ALPINIST LONG TRAVEL must be equipped with ski brake and / or safety leash !
In case of disregard the ski can speed downhill after a release and become a hazard for other persons.

REMARK:
MARKER offers a special PINTECH safety leash. (16.4 - 15)
Art. #: L002S1A

ATTACHING THE SAFETY LEASH:

- Pass the leash through one of the holes at the front of the toe and secure the leash with a cow-hitch. (16.4 - 15)

16.4 MARKER ALPINIST & ALPINIST LONG TRAVEL - INFORMATION FOR THE SKIER

SKIER INSTRUCTION

STEP - IN:

- Clear snow, ice and dirt from the sole of the ski boot and the Pin-Tech inserts before stepping into the binding..
- If the toe is closed, open it by pressing down the toe opening lever.
- Position the tip of the ski boot on the toe's step-in aids and between the Pin-Tech retaining pins on the toe.
- Then press the tip of the boot down and step into the toe until the pins are locked fully into position in the insert.
- Move the locked boot back and forth several times to ensure that boot and binding are securely connected.
- Close the binding by stepping the heel of the boot straight down into the U-BOW (Spring) engaging the U-BOW (Spring) with the tech insert.

STEP - OUT:

- Press down the opening lever on the toe with a ski pole, ski, ski boot or by hand.
- Lift the tip of the ski boot slightly and rotate the boot sideways out of the binding.

OPENING THE BINDING AFTER A FALL OR ACCIDENT:

- Press down the opening lever with a ski pole or by hand.

SYSTEM EXPLANATION FOR THE SKIER:

- Explain the boot - to - binding adjustment.
- Explain that **MARKER ALPINIST** ski bindings do not meet any ISO certification and therefore the release function does not need to be tested to verify function release.
- Show where the release adustment screw is located and explain the visual indicators on the binding and how they do not directly correlate to the initial indicator values on the adjustment chart, but serve as a good starting point for binding setup. Explain the U-BOW (Spring) is a fixed verticle release force and can be changed to achieve the skiers prefered vertical release. Advise the skier as to the correct U-BOW (Spring) per their release/retention preference.
- The initial indicator values should be used as a starting point for the binding setting process and may need to be modified in order for the skier to achieve correct retention preference.
- Point out the left and the right ski indicators.
- If any system components are worn out of standard or otherwise unsuitable for continued use, the skier must be clearly informed of the problem and warned that continued use may significantly increase his or her risk of injury.
- Advise that if any problem develops with any part of the function unit ski / ski binding / ski boot it should be brought to a MARKER authorized retailer for inspection and service.

RECEIPT OF IN - BOX INSTRUCTIONS:

- Whenever a new ski binding is delivered to the skier she or he should receive the in - box instructions and the warranty information.
- The enclosed info booklet must be handed over to the customer.

MAINTENANCE:

- Explain to the skier that the ski binding should be kept clean and free of dirt, rust, salt or other contaminants.
- Recommend that the complete function unit ski / ski binding / ski boot has to be brought to a MARKER authorized retailer for inspection prior to the beginning of each ski season.

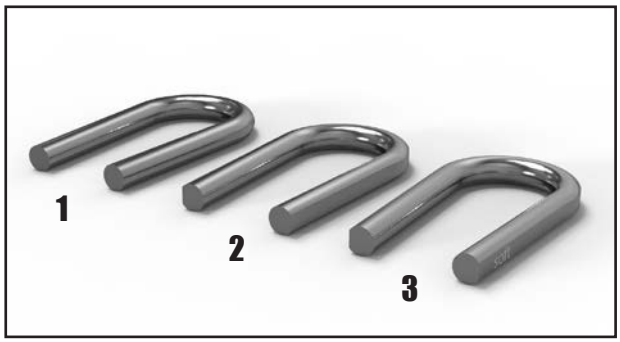
SKIER SIGNATURE

- The skier must read, understand and agree to the conditions specified in the workshop form and MARKER alpine touring release agreement.
- Make sure that the skier signs the workshop form and the MARKER alpine touring release agreement. If the skier is a minor, this document should be signed by a parent or a legal guardian.
- A copy of the signed documents has to be handed to the customer.

IMPORTANT !

The skier should understand that there are inherent and other risks in the sport of skiing. Explain that the ski binding will not release under all circumstances nor is it possible to predict every situation in which it will release and is, therefore, no guarantee of his or her safety.

16.5 MARKER ALPINIST / ALPINIST LONG TRAVEL - ACCESSORIES

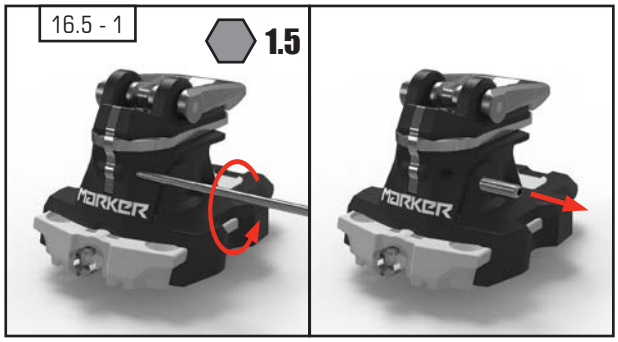


For the customization of the binding models ALPINIST & ALPINIST LONG TRAVEL MARKER offers locking bolts (U - bows) in 3 different settings:

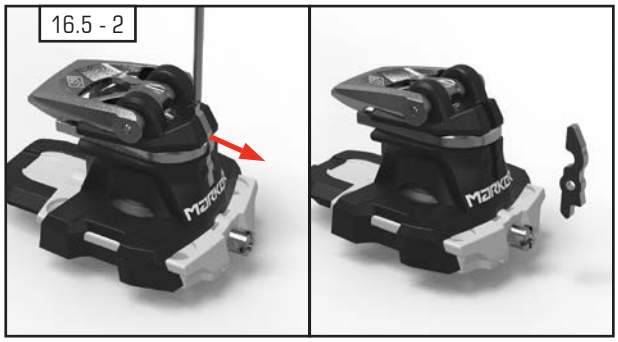
(1)	A001S1UH	MARKER ALPINIST U BOW - (Spring) Hi Setting	(Z 8 - 12)
(2)	A001S1UM	MARKER ALPINIST U BOW - (spring) Medium Setting	(Z 5 - 9)
(3)	A001S1US	MARKER ALPINIST U BOW - (Spring) Low Setting	(Z 4 - 6)

U BOW - (Spring) Hi Setting: premounted on ALPINIST 12
U BOW - (Spring) Medium Setting: premounted on ALPINIST 9
U BOW - (Spring) Low Setting: accessory

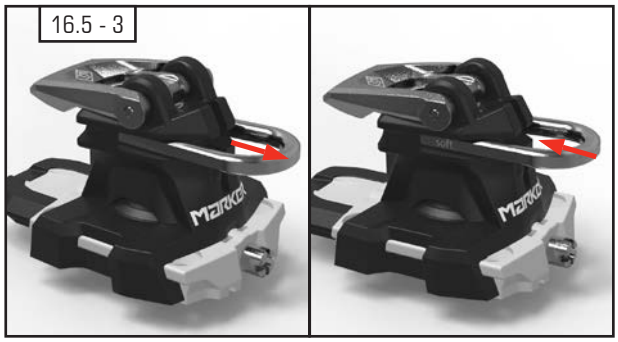
REPLACEMENT OF THE LOCKING BOLT U-BOW (SPRING):



- Loosen and remove the lock screw, this requires an # 1.5 Allen key. (16.5 - 1)



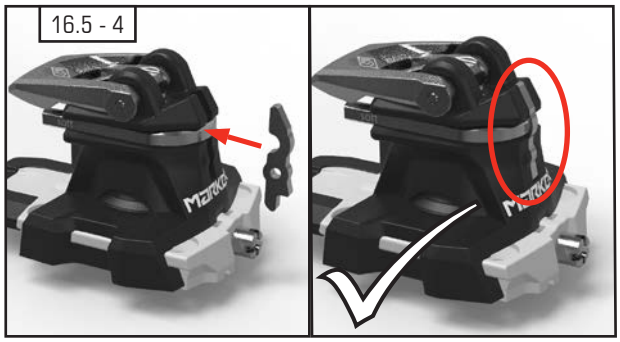
- Remove the locking element. (16.5 - 2)

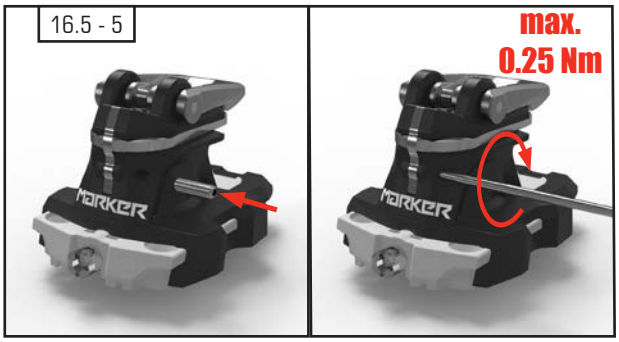


- Pull the locking bolt backwards from the heel housing, slide the replacement bow (Spring) onto the housing. (16.5 - 3)

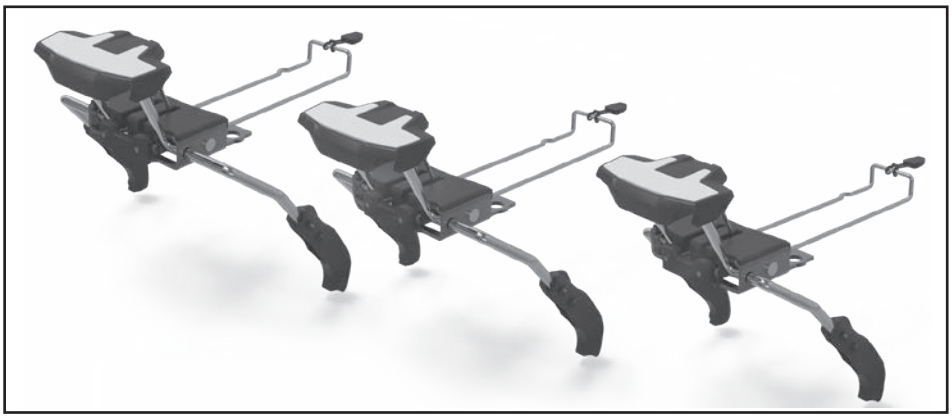
- Attach the locking element to the heel, the locking element has to be flush with the heel housing. (16.5 - 4)

- Insert and tighten the lock screw. Do not exceed a tightening torque of 0.25 Nm. (16.5 - 5)

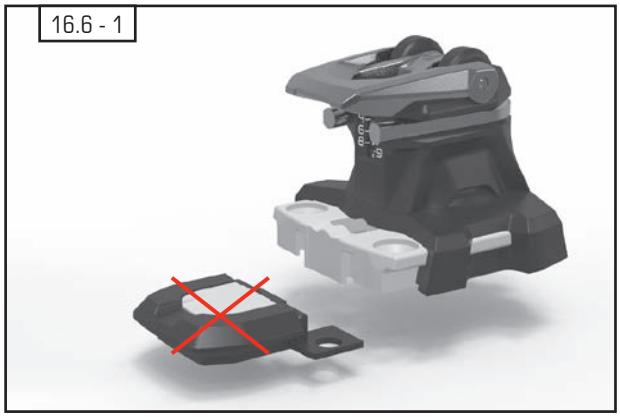




16.6 MARKER ALPINIST - BRAKES



16.6 - 1



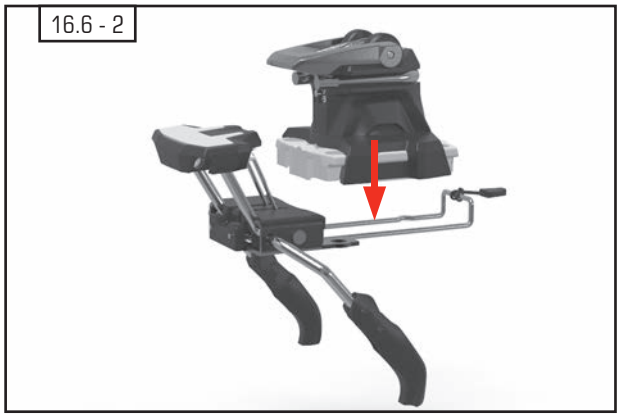
SKI BRAKES:

- MARKER offers ski brakes with different widths for the binding models MARKER ALPINIST. The MARKER ALPINIST LONG TRAVEL models are fitted with brakes as standard.

W001S1B MARKER ALPINIST brake; 90 mm
W002S1B MARKER ALPINIST brake; 105 mm
W003S1B MARKER ALPINIST brake; 115 mm

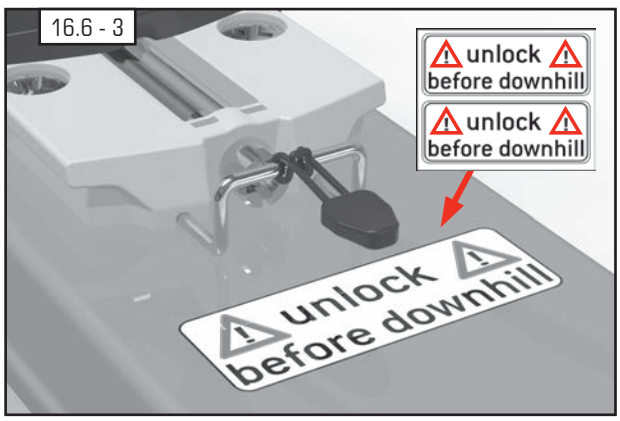
- For mounting the ski brakes the heel platform has to be removed. (16.6 - 1)

16.6 - 2



- Mount the heel from top to the brake. (16.6 - 2)
- The further installation of the binding has to be carried out as described in chapter ➔ **16.2**.

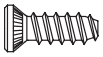
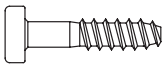
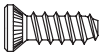
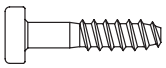
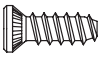
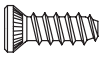
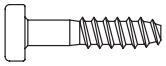
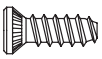
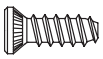
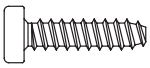
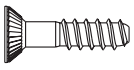
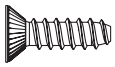
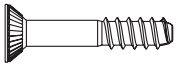
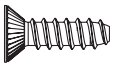
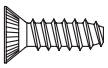
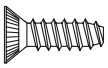
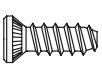
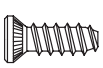
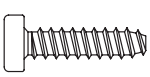
16.6 - 3



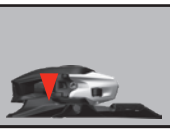
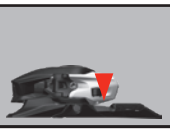
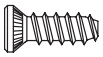
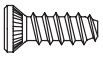
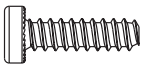
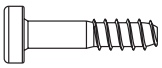
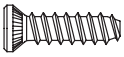
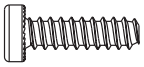
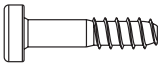
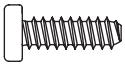
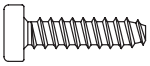
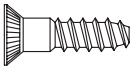
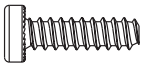
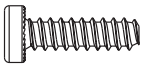
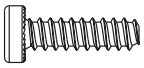
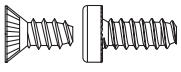
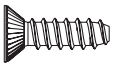
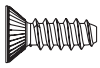
NOTE:
When mounting the binding make sure that you fit the enclosed stickers to the ski. (16.6 - 3)

NOTE:
Locking / unlocking of the brake and security advices:
see page ➔ **135 "Information for the skier"**

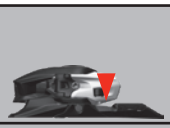
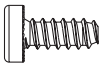
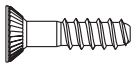
17.1 SCREW CHART

	PLATE SYSTEM				
COLLECTION MARKER					
RACE XCELL 24 **RACE XCELL 18**		 S180165 (5.5 X 10.0)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
RACE XCELL 16 **RACE XCELL 12** **XCELL 16**		 S180165 (5.5 X 10.0)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
RACE 10 TCX		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
RACE 10 **RACE JUNIOR 8**		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180060 (5.5 x 14.0)	 S180138 (5.5 x 21.5)
DUKE PRO EPF **BARON EPF**	center plate screw  S180217 (5.5 x 12.0)	front plate  S180217 (5.5 x 12.0)		heel plate  S180217 (5.5 x 12.0)	
JESTER 18 PRO ID **JESTER 16 ID** **GRIFFON 13 ID** **SQUIRE 11 ID**		 S180164 (5.5 x 11.3)	 S180060 (5.5 x 14.0	heel plate  S180204 (6.0 x 12.0)	
F 12 TOUR EPF **F 10 TOUR**	center plate screw  S180217 (5.5 x 12.0)	front plate  S180217 (5.5 x 12.0)		heel plate  S180217 (5.5 x 12.0)	
KINGPIN 13 **KINGPIN 10**	center plate screw  S180217 (5.5 x 12.0)	 S180213 (5.5 x 14.5)	 S180213 (5.5 x 14.5)	 S180150 (5.5 x 22.0)	 S180217 (5.5 x 12.0)
KINGPIN 10 DEMO **KINGPIN 13 DEMO**	center plate screw  S180205 (5.5 x 18.5)	 S180217 S180046	 S180217 S180046	 S180231 (5.5 x 29.0)	 S180205 (5.5 x 18.5)
MARKER **ALPINIST** **ALPINIST LONG TRAVEL**		 S180176 (5.5 x 15.0)	 S180176 (5.5 x 15.0)	 S180074 (5.5 x 17.5)	 S180074 (5.5 x 17.5)
12.0 TPX **11.0 TP**		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180138 (5.5 x 21.5)

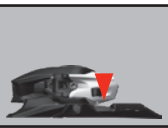
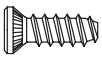
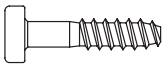
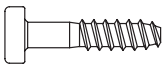
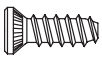
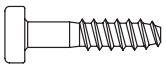
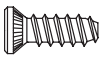
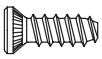
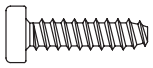
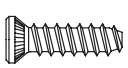
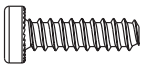
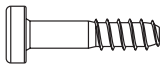
17.1 SCREW CHART

	PLATE SYSTEM				
10.0 TP		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180241 (5.5 x 19.25)	 S180142 (5.5 x 23.5)
FREE TEN		 S180164 (5.5 x 11.3)	 S180154 (5.5 x 21.0)	 S180241 (5.5 x 19.25)	 S180142 (5.5 x 23.5)
FREE 8		 S180176 (5.5 x 15.0)	 S180176 (5.5 x 15.0)	 S180139 (5.5 x 17.5)	 S180138 (5.5 x 21.5)
FREE 7 **7.0** **4.5**		 S180060 (5.5 x 14.0)	 S180060 (5.5 x 14.0)	 S180104 (5.5 x 22.5)	 S180241 (5.5 x 19.25)
GRIFFON TCX D **SQUIRE TCX D**		front plate  S180061 (5.5 x 13.5)		heel plate  S180061 (5.5 x 13.5)	
GRIFFON D		front plate  S180061 (5.5 x 13.5)		heel plate  S180061 (5.5 x 13.5)	
FDT 12.0 TPX **FDT 11 TP**				 S180062 (5.5 x 12.5)	
FDT 10 TP **FDT 10 TLT**				 S180062 (5.5 x 12.5)	
JUNIOR RTL		 S180060 (5.5 x 14.0)	 S180060 (5.5 x 14.0)	 S180241 (5.5 x 19.25)	 S180241 (5.5 x 19.25)
10.0 FASTRAK III TP	plate center screw  S180062 S180208			 S180205 (5.5 x 18.5)	
FDT PLATE		front plate  S180061 (5.5 x 13.5)		heel plate  S180061 (5.5 x 13.5)	
FDT **HIGH PERFORMANCE** **PLATE**		front plate  S180105 (5.5 x 16.0)		heel plate  S180105 (5.5 x 16.0)	

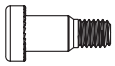
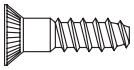
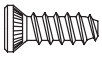
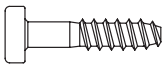
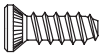
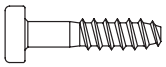
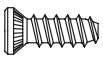
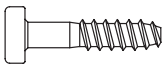
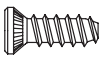
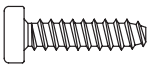
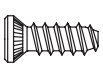
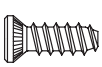
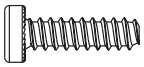
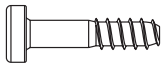
17.1 SCREW CHART

	PLATE SYSTEM				
MARKER / VÖLKL MODELS					
MARKER / VÖLKL iPT WR XL FR DEMO iPT WR XL TCX DEMO	center screw  S180208			 S180150 (5.5 x 22.0)	
MARKER / VÖLKL rMOTION2				 S180062 (5.5 x 12.5)	
MARKER / VÖLKL VMOTION				 S180062 (5.5 x 12.5)	
MARKER / K 2 MODELS					
MARKER / K 2 MXCELL TCX D				 S180062 (5.5 x 12.5)	
MARKER / K 2 MCXELL TCX QUIKCLIK				 S180062 (5.5 x 12.5)	
MARKER / K 2 MCX TCX light QUIKCLIK				 S180062 (5.5 x 12.5)	
MARKER / K 2 M3 TCX light QUIKCLIK				 S180062 (5.5 x 12.5)	
MARKER / K 2 ERC TCX light QUIKCLIK				 S180062 (5.5 x 12.5)	
MARKER / K 2 M3 & ER3 QUIKCLIK M2 & ERP QUIKCLIK				 S180062 (5.5 x 12.5)	
MARKER / K 2 M2 & ERP			 S180176 (5.5 x 15.0)	 S180062 (5.5 x 12.5)	

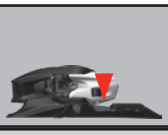
17.1 SCREW CHART

	PLATE SYSTEM				
MARKER / NORDICA MODELS					
MARKER / NORDICA XCELL FDT				 S180062 (5.5 x 12.5)	
MARKER / NORDICA TPX FDT				 S180062 (5.5 x 12.5)	
MARKER / NORDICA TP2 LIGHT FDT TP LIGHT FDT				 S180062 (5.5 x 12.5)	
MARKER / NORDICA TP2 COMPACT FDT TP COMPACT FDT				 S180062 (5.5 x 12.5)	
MARKER / NORDICA TLT FDT				 S180062 (5.5 x 12.5)	
MARKER / NORDICA RACE XCELL 24 RACE XCELL 18		 S180165 (5.5 X 10.0)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
MARKER / NORDICA RACE XCELL 16 RACE XCELL 12		 S180165 (5.5 X 10.0)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
MARKER / NORDICA RACE 10 TCX		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
MARKER / NORDICA RACE 10 RACE JUNIOR 8		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180060 (5.5 x 14.0)	 S180138 (5.5 x 21.5)
MARKER / NORDICA FREE 11 FDT				 S180062 (5.5 x 12.5)	
MARKER / NORDICA FREE TEN		 S180164 (5.5 x 11.3)	 S180154 (5.5 x 21.0)	 S180241 (5.5 x 19.25)	 S180142 (5.5 x 23.5)

17.1 SCREW CHART

	PLATE SYSTEM				
MARKER / BLIZZARD MODELS					
MARKER / BLIZZARD XCELL DEMO TCX DEMO TLX DEMO				 S180062 (5.5 x 12.5)	
MARKER / BLIZZARD TPX DEMO				 S180062 (5.5 x 12.5)	
MARKER / BLIZZARD TP DEMO TLT DEMO				 S180062 (5.5 x 12.5)	
MARKER / BLIZZARD IQ TP	center screw  S180201			 S180104 (5.5 x 22)	
MARKER / BLIZZARD RACE XCELL 24 RACE XCELL 18		 S180165 (5.5 X 10.0)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
MARKER / BLIZZARD RACE XCELL 16 RACE XCELL 12		 S180165 (5.5 X 10.0)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
MARKER / BLIZZARD RACE 10 TCX		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180061 (5.5 x 13.5)	 S180159 (5.5 x 24.0)
MARKER / BLIZZARD RACE 10 RACE JUNIOR 8		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180060 (5.5 x 14.0)	 S180138 (5.5 x 21.5)
MARKER / MOVEMENT MODELS					
MARKER / MOVEMENT FREESKI TP		 S180128 (5.5 x 16.5)	 S180128 (5.5 x 16.5)	 S180241 (5.5 x 19.25)	 S180142 (5.5 x 23.5)
MARKER / MOVEMENT FDT TP				 S180062 (5.5 x 12.5)	

17.1 SCREW CHART

	PLATE SYSTEM				
MARKER / BOGNER & INDIGO MODELS					
MARKER / BOGNER / INDIGO RACE XCELL DEMO				 S180062 (5.5 x 12.5)	
MARKER / BOGNER / INDIGO FDT TP				 S180062 (5.5 x 12.5)	
STANDARD BRAKE SCREW				 S180062 (5.5 x 12.5)	
BRAKE SCREW COMPETITON & RACE 12.0 TPX & 11.0 TP				 S180046 (5.5 x 8.75)	
BRAKE SCREW FDT JUNIOR				 S180219 (5.5 x 10.8)	

17.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
RACE XCELL 24 **RACE XCELL 18**			 W00601B					
RACE XCELL 16 **RACE XCELL 12** **RACE 10 TCX**			 W00601B					
RACE 10 **RACE JUNIOR 8**			 W023H1B					
DUKE PRO EPF **BARON EPF**				 W017G1B		 W016G1B	 W02601B	 W01501B
JESTER PRO ID **JESTER ID** **GRIFFON ID** **SQUIRE ID**				 W017G1B		 W016G1B	 W02601B	 W01501B
SQUIRE ID WHITE				 W01901B		 W012Q1B		
F 12 TOUR EPF				 W017G1B		 W016G1B	 W02601B	 W01501B
F 10 TOUR			 W024K1B	 W017G1B		 W016G1B		
KINGPIN 13 **KINGPIN 10** **KINGPIN 13 DEMO** **KINGPIN 10 DEMO**					 W010P1B		 W011P1B	
ALPINIST				 W001S1B (90)	 W002S1B (105)	 W003S1B (115)		
ALPINIST LONG TRAVEL				 W004S1B (90)	 W005S1B (105)			
12.0 TPX **11.0 TP**			 W023H1B	 W009F1B		 W005F1B		

17.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
FREE TEN FREE 8 10.0		 W020G1B	 W021K1B		 W004L1B			
FREE 7 7.0 & FDT 7.0 4.5 & FDT 4.5	 W007R1B		 W009R1B					
7.0 & FDT 7.0 white 4.5 & FDT 4.5 white	 W008R1B							
JESTER DEMO GRIFFON D / ADJ SQUIRE D / ADJ				 W017G1B		 W016G1B	 W026O1B	 W015O1B
10.0 FASTRAK III 10.0 FASTRAK III TP		 W002L1B	 W003M1B					
FDT TCX 12 FDT TP 11			 W018M1B	 W017G1B		 W016G1B		
FDT TP 10 FDT TLT 10		 W022N1B						
JUNIOR RTL	 W014S1B		 W005L1B					
MARKER / VÖLKL iPT WIDERIDE XL FR D iPT WIDERIDE XL TCX D				 W017G1B				
MARKER / VÖLKL rMOTION2 16.0 rMOTION2 12.0			 W018M1B					
MARKER / VÖLKL VMOTION 12 VMOTION 12 E VMOTION 11 E				 W017G1B				
MARKER / VÖLKL VMOTION 11 VMOTION 10 VMOTION 9		 W022N1B						

17.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
7.0 VMOTION **4.5 VMOTION**	 W007R1B							
7.0 VMOTION white **4.5 VMOTION white**	 W008R1B							
MARKER / K 2 **MXCELL TCx Demo** **MXCELL TCx QUIKCLIK** **MXC TCx light QUIKCLIK**				 W017G1B				
MARKER / K 2 **M 3 TCX LIGHT QUIKCLIK** **ERC 11 TCx light QUIKCLIK**				 W017G1B				
MARKER / K 2 **ERP 10 QUIKCLIK** **ERP 10**		 W025O1B						
MARKER / K 2 **M3 COMPACT QUIKCLIK** **ER3 COMPACT QUIKCLIK**		 W022N1B						
MARKER / K 2 **M 2 QUIKCLIK** **ERP QUIKCLIK**		 W022N1B						
MARKER / K 2 **M 2 / ERP**		 W022N1B						
MARKER / K 2 **FREE TEN QUIKCLIK**			 W024K1B					
MARKER / K 2 **FDT 7.0** **FDT 4.5**	 W007R1B		 W009R1B					
MARKER / NORDICA **RACE XCELL 24** **RACE XCELL 18**			 W006O1B					
MARKER / NORDICA **RACE XCELL 16** **RACE XCELL 14 / 12** **RACE 10 TCX**			 W006O1B					

17.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
MARKER / NORDICA RACE 10 RACE JUNIOR 8			 W023H1B					
MARKER / NORDICA XCELL FDT				 W017G1B				
MARKER / NORDICA TPX FDT				 W017G1B				
MARKER / NORDICA FREE FDT TP LIGHT FDT				 W017G1B				
MARKER / NORDICA TP COMPACT FDT TLT FDT		 W022N1B						
MARKER / BLIZZARD XCELL DEMO TCX 11 DEMO				 W017G1B				
MARKER / BLIZZARD TPX 12 DEMO TLX 11 DEMO			 W018M1B					
MARKER / BLIZZARD TPC 10 DEMO TLT 10 DEMO		 W022N1B	 W024K1B					
MARKER / BLIZZARD TLT 10 DEMO		 W025O1B						
MARKER / BLIZZARD RACE XCELL 24 RACE XCELL 18			 W006O1B					
MARKER / BLIZZARD RACE XCELL 16 RACE XCELL 12 RACE 10 TCX			 W006O1B					
MARKER / BLIZZARD RACE 10 RACE JUNIOR 8			 W023H1B					

17.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
MARKER / BLIZZARD IQ TP 10		 W022N1B						
MARKER / MOVEMENT FDT TP				 W017G1B				
MARKER / MOVEMENT FREESKI TP			 W021K1B		 W004L1B			
MARKER / BOGNER / INDIGO XCELL 12 DEMO			 W018M1B					
MARKER / BOGNER / INDIGO FDT TP		 W025O1B						

17.3 MARKER COLLECTION 2018 - 2019

Binding model:	RACE XCELL 18
Marker Art. No.:	7120R1MS
Color combination:	black - flo-red
DIN / ISO	8.0 - 18.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE XCELL 16
Marker Art. No.:	6920R1MS
Color combination:	black - flo-red
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE XCELL 12
Marker Art. No.:	6820R1MS
Color combination:	black - flo-red
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE 10 TCX
Marker Art. No.:	6520R1MT
Color combination:	black - flo-red
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE 10
Marker Art. No.:	6520R1MS
Color combination:	black - flo-red
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE JUNIOR 8
Marker Art. No.:	6320R1MS
Color combination:	black - flo-red
DIN / ISO	2.0 - 8.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE XCELL 18
Marker Art. No.:	7120S1TC
Color combination:	white - black - red
DIN / ISO	8.0 - 18.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE XCELL 16
Marker Art. No.:	6920S1TC
Color combination:	white - black - red
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

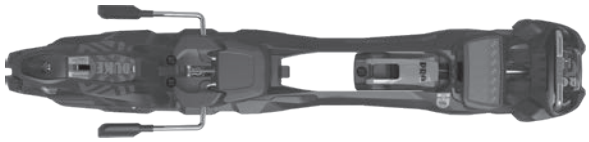
Binding model:	RACE XCELL 12
Marker Art. No.:	6820S1TC
Color combination:	white - black - red
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

Binding model:	RACE 10 TCX
Marker Art. No.:	6521S1TC
Color combination:	white - black - red
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

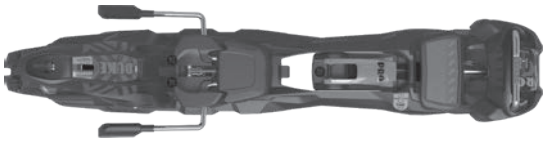
Binding model:	RACE 10
Marker Art. No.:	6520S1TC
Color combination:	white - black - red
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm

17.3 MARKER COLLECTION 2018 - 2019

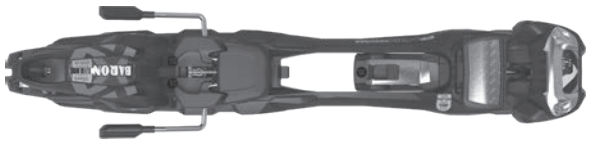
Binding model:	RACE JUNIOR 8
Marker Art. No.:	6320S1TC
Color combination:	white - black - red
DIN / ISO	2.0 - 8.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm



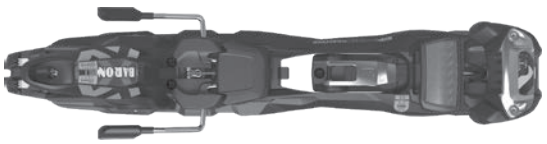
Binding model:	DUKE Pro EPF 18 L 305 - 365; 110 mm
Marker Art. No.:	7916S1LA
Color combination:	black
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	305 - 365 mm
Brake width:	110 mm



Binding model:	DUKE Pro EPF 18 S 265 - 325; 110 mm
Marker Art. No.:	7916S1SA
Color combination:	black
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	265 - 325 mm
Brake width:	110 mm



Binding model:	BARON EPF 13 L 305 - 365; 110 mm
Marker Art. No.:	7516S1LA
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	305 - 365 mm
Brake width:	110 mm



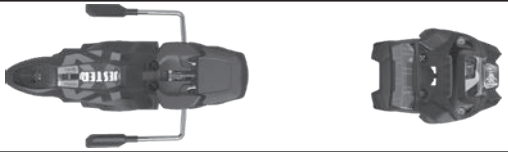
Binding model:	BARON EPF 13 S 265 - 325; 110 mm
Marker Art. No.:	7516S1SA
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	265 - 325 mm
Brake width:	110 mm

Binding model:	JESTER 18 PRO; 90 mm
Marker Art. No.:	7924S1JS
Color combination:	black - flo-red
DIN / ISO	8.0 - 18.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm

Binding model:	JESTER 18 PRO; 120 mm
Marker Art. No.:	7924S1JB
Color combination:	black - flo-red
DIN / ISO	8.0 - 18.0
Sole length min. - max.:	240 - 370 mm
Brake width:	120 mm

Binding model:	JESTER 16 ID; 90 mm
Marker Art. No.:	7624S1JA
Color combination:	black
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm

Binding model:	JESTER 16 ID; 110 mm
Marker Art. No.:	7624S1JB
Color combination:	black
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	240 - 370 mm
Brake width:	110 mm



Binding model:	JESTER 16 ID; 136 mm
Marker Art. No.:	7624S1JC
Color combination:	black
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	240 - 370 mm
Brake width:	136 mm

Binding model:	Griffon 13 ID; 90 mm
Marker Art. No.:	7524S1GA
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm

17.3 MARKER COLLECTION 2018 - 2019


Binding model:	Griffon 13 ID; 110 mm
Marker Art. No.:	7524S1GB
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	240 - 370 mm
Brake width:	110 mm


Binding model:	Griffon 13 ID; 120 mm
Marker Art. No.:	7524S1GC
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	240 - 370 mm
Brake width:	120 mm


Binding model:	Griffon 13 ID; 90 mm
Marker Art. No.:	7524S1GD
Color combination:	white
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm


Binding model:	Griffon 13 ID; 110 mm
Marker Art. No.:	7524S1GE
Color combination:	white
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	240 - 370 mm
Brake width:	110 mm


Binding model:	Griffon 13 ID; 120 mm
Marker Art. No.:	7524S1GF
Color combination:	white
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	240 - 370 mm
Brake width:	120 mm


Binding model:	SQUIRE 11 ID; 90 mm
Marker Art. No.:	7424S1MA
Color combination:	white
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm


Binding model:	SQUIRE 11 ID; 110 mm
Marker Art. No.:	7424S1MB
Color combination:	white
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 370 mm
Brake width:	110 mm

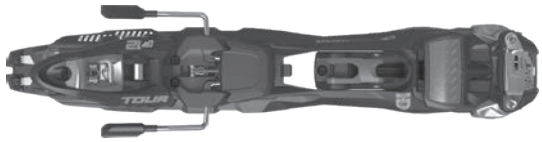

Binding model:	SQUIRE 11 ID; 90 mm
Marker Art. No.:	7424S1MC
Color combination:	grey - violet
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm


Binding model:	SQUIRE 11 ID; 110 mm
Marker Art. No.:	7424S1MD
Color combination:	grey - violet
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 370 mm
Brake width:	110 mm

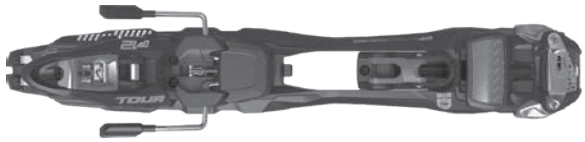

Binding model:	SQUIRE 11 ID; 90 mm
Marker Art. No.:	7424S1ME
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 370 mm
Brake width:	90 mm


Binding model:	SQUIRE 11 ID; 110 mm
Marker Art. No.:	7424S1MF
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 370 mm
Brake width:	110 mm

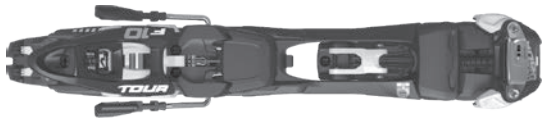
17.3 MARKER COLLECTION 2018 - 2019



Binding model:	F12 TOUR EPF; S 265 - 325; 110 mm
Marker Art. No.:	7816R1SE
Color combination:	black - anthracite
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	265 - 325 mm
Brake width:	110 mm



Binding model:	F12 TOUR EPF; L 305 - 365; 110 mm
Marker Art. No.:	7816R1LE
Color combination:	black - anthracite
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	305 - 365 mm
Brake width:	110 mm



Binding model:	F 10 TOUR S 265 - 325; 90 mm
Marker Art. No.:	7716S1TC
Color combination:	black - white
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	265 - 325 mm
Brake width:	90 mm

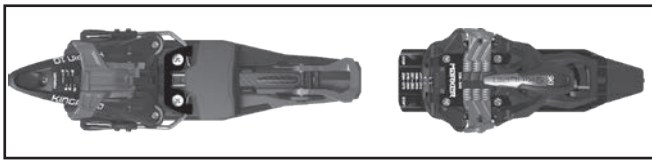
Binding model:	F 10 TOUR L 305 - 365; 90 mm
Marker Art. No.:	7716S1TD
Color combination:	black - white
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	305 - 365 mm
Brake width:	90 mm

Binding model:	KINGPIN 10; 75 - 100 mm
Marker Art. No.:	7733S1MA
Color combination:	black - copper
DIN / ISO	5.0 - 10.0
Sole length min. - max.:	255 - 390 mm
Brake width:	100 mm

Binding model:	KINGPIN 10; 100 - 125 mm
Marker Art. No.:	7733S1MB
Color combination:	black - copper
DIN / ISO	5.0 - 10.0
Sole length min. - max.:	255 - 390 mm
Brake width:	125 mm

Binding model:	KINGPIN 13; 75 - 100 mm
Marker Art. No.:	7933S1MA
Color combination:	black - copper
DIN / ISO	6.0 - 13.0
Sole length min. - max.:	255 - 390 mm
Brake width:	100 mm

Binding model:	KINGPIN 13; 100 - 125 mm
Marker Art. No.:	7933S1MB
Color combination:	black - copper
DIN / ISO	6.0 - 13.0
Sole length min. - max.:	255 - 390 mm
Brake width:	125 mm



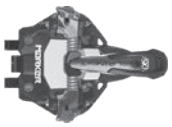
Binding model:	KINGPIN 10 Demo; 75 - 100 mm
Marker Art. No.:	7734S1MA
Color combination:	black - copper
DIN / ISO	5.0 - 10.0
Sole length min. - max.:	264 - 356 mm
Brake width:	100 mm

Binding model:	KINGPIN 13 Demo; 100 - 125 mm
Marker Art. No.:	7934S1MB
Color combination:	black - copper
DIN / ISO	6.0 - 13.0
Sole length min. - max.:	264 - 356 mm
Brake width:	125 mm

Binding model:	MARKER ALPINIST 12
Marker Art. No.:	7833S1MA
Color combination:	black - red
Release Indicator	6.0 - 12.0
Sole length min. - max.:	243 - 367 mm
Brake width:	-

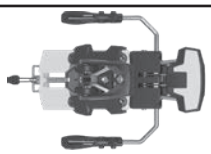
17.3 MARKER COLLECTION 2018 - 2019


Binding model:	MARKER ALPINIST 12
Marker Art. No.:	7833S1MB
Color combination:	black - titanium
Release Indicator	6.0 - 12.0
Sole length min. - max.:	243 - 367 mm
Brake width:	-

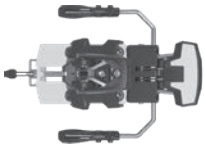
Binding model:	MARKER ALPINIST 9
Marker Art. No.:	7633S1MC
Color combination:	black - turquois
Release Indicator	4.0 - 9.0
Sole length min. - max.:	243 - 367 mm
Brake width:	-


Binding model:	MARKER ALPINIST 9
Marker Art. No.:	7633S1MB
Color combination:	black - titanium
Release Indicator	4.0 - 9.0
Sole length min. - max.:	243 - 367 mm
Brake width:	-




Binding model:	MARKER ALPINIST 12 long travel; 105 mm
Marker Art. No.:	7834S1MW
Color combination:	black - titanium
Release Indicator	6.0 - 12.0
Sole length min. - max.:	243 - 387 mm
Brake width:	105 mm


Binding model:	MARKER ALPINIST 12 long travel; 90 mm
Marker Art. No.:	7834S1MS
Color combination:	black - titanium
Release Indicator	6.0 - 12.0
Sole length min. - max.:	243 - 387 mm
Brake width:	90 mm




Binding model:	MARKER ALPINIST 9 long travel; 105 mm
Marker Art. No.:	7634S1MW
Color combination:	black - titanium
Release Indicator	4.0 - 9.0
Sole length min. - max.:	243 - 387 mm
Brake width:	105 mm


Binding model:	MARKER ALPINIST 9 long travel; 90 mm
Marker Art. No.:	7634S1MS
Color combination:	black - titanium
Release Indicator	4.0 - 9.0
Sole length min. - max.:	243 - 387 mm
Brake width:	90 mm

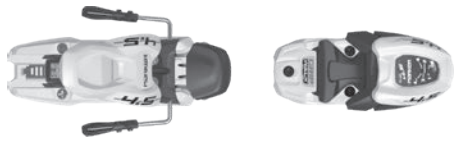

Binding model:	7.0
Marker Art. No.:	6220S1MA
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	190 - 310 mm
Brake width:	70 mm


Binding model:	7.0
Marker Art. No.:	6220S1MB
Color combination:	white
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	190 - 310 mm
Brake width:	70 mm

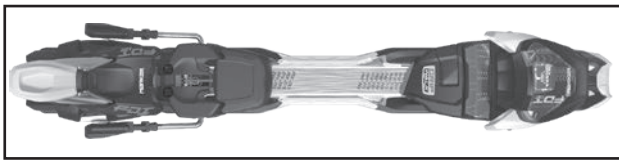

Binding model:	4.5
Marker Art. No.:	6120S1MA
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 310 mm
Brake width:	70 mm


Binding model:	4.5
Marker Art. No.:	6120S1MB
Color combination:	white
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 310 mm
Brake width:	70 mm

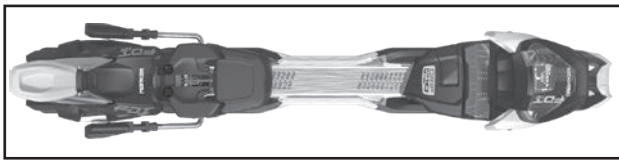
17.3 MARKER COLLECTION 2018 - 2019



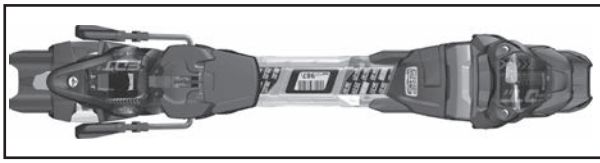
Binding model:	4.5; 85 mm
Marker Art. No.:	6120S1MC
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 310 mm
Brake width:	85 mm



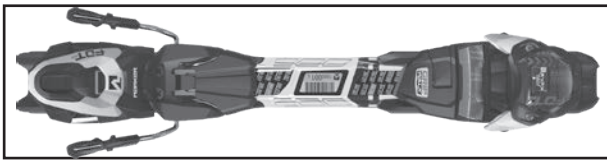
Binding model:	FDT TPX 12.0; 90 mm
Marker Art. No.:	6862S1MC
Color combination:	black - white
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	256 - 388 mm
Brake width:	90 mm



Binding model:	FDT TPX 12.0 System; 90 mm
Marker Art. No.:	6862S1MCS
Color combination:	black - white
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	256 - 388 mm
Brake width:	90 mm



Binding model:	FDT TP 11 System; 90 mm
Marker Art. No.:	6662Q1MCS
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	256 - 388 mm
Brake width:	90 mm



Binding model:	FDT TP 10 System; 80 mm
Marker Art. No.:	6562S1MCS
Color combination:	black - white
DIN / ISO	3.0 - 10.0
Sole length min. - max.:	256 - 388 mm
Brake width:	80 mm

17.3 MARKER COLLECTION 2018 - 2019

Binding model:	FDT 7.0; L 235 - 330; 70 mm
Marker Art. No.:	6262S1MA
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	235 - 330 mm
Brake width:	70 mm

Binding model:	FDT 4.5; S 190 - 285; 70 mm
Marker Art. No.:	6162S1MA
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 285 mm
Brake width:	70 mm

Binding model:	FDT 7.0; L 235 - 330; 85 mm
Marker Art. No.:	6262S1MC
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	235 - 330 mm
Brake width:	85 mm

Binding model:	FDT 4.5; S 190 - 285; 85 mm
Marker Art. No.:	6162S1MC
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 285 mm
Brake width:	85 mm

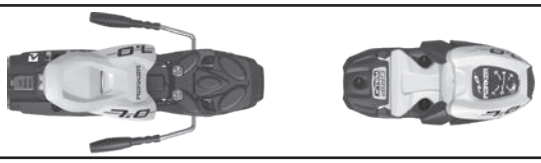
Binding model:	FDT 7.0 System; L 235 - 330; 70 mm
Marker Art. No.:	6263S1MA
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	235 - 330 mm
Brake width:	70 mm

Binding model:	FDT 4.5 System; S 190 - 285; 70 mm
Marker Art. No.:	6163S1MA
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 285 mm
Brake width:	70 mm

Binding model:	FDT 7.0 System; L 235 - 330; 85 mm
Marker Art. No.:	6263S1MC
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	235 - 330 mm
Brake width:	85 mm

Binding model:	FDT 4.5 System; S 190 - 285; 85 mm
Marker Art. No.:	6163S1MC
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	190 - 285 mm
Brake width:	85 mm

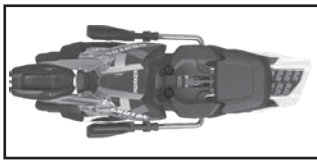
Binding model:	7.0 RTL; 70 mm
Marker Art. No.:	6220S1MR
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	240 - 304 mm
Brake width:	70 mm



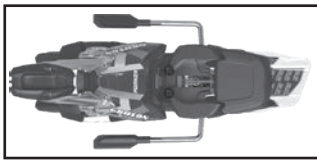
Binding model:	7.0 RTL; 85 mm
Marker Art. No.:	6220S1MW
Color combination:	white - black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	240 - 304 mm
Brake width:	85 mm

Binding model:	4.5 RTL; 70 mm
Marker Art. No.:	6120S1MR
Color combination:	white - black
DIN / ISO	0.75 - 4.5
Sole length min. - max.:	200 - 264 mm
Brake width:	70 mm

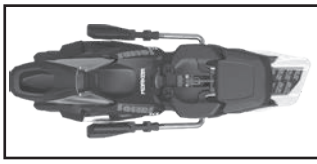
17.3 MARKER COLLECTION 2018 - 2019



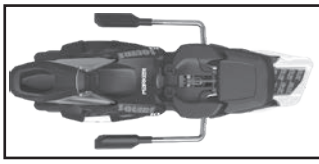

Binding model:	Griffon 13 TCX D; 90 mm
Marker Art. No.:	6862S1GA
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	256 - 388 mm
Brake width:	90 mm




Binding model:	Griffon 13 TCX D; 110 mm
Marker Art. No.:	6862S1GB
Color combination:	black
DIN / ISO	4.0 - 13.0
Sole length min. - max.:	256 - 388 mm
Brake width:	110 mm




Binding model:	Squire 11 TCX D; 90 mm
Marker Art. No.:	6762S1MA
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	256 - 388 mm
Brake width:	90 mm



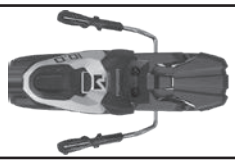

Binding model:	Squire 11 TCX D; 110 mm
Marker Art. No.:	6762S1MB
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	256 - 388 mm
Brake width:	110 mm


Binding model:	Xcell 16 black
Marker Art. No.:	6920S1MB
Color combination:	black
DIN / ISO	6.0 - 16.0
Sole length min. - max.:	240 - 360 mm
Brake width:	90 mm

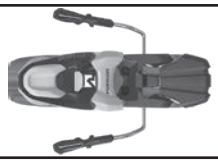

Binding model:	12.0 TPX; 90 mm
Marker Art. No.:	6820R1MA
Color combination:	black
DIN / ISO	4.0 - 12.0
Sole length min. - max.:	240 - 360 mm
Brake width:	90 mm


Binding model:	11.0 TP; 90 mm
Marker Art. No.:	6720S1MA
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 360 mm
Brake width:	90 mm


Binding model:	11.0 TP; 90 mm
Marker Art. No.:	6720S1MB
Color combination:	white
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 360 mm
Brake width:	90 mm




Binding model:	10.0 TP; 85 mm
Marker Art. No.:	6520S1MA
Color combination:	black
DIN / ISO	3.0 - 11.0
Sole length min. - max.:	240 - 360 mm
Brake width:	85 mm




Binding model:	FREE 8; 100 mm
Marker Art. No.:	6324S1MA
Color combination:	black - white
DIN / ISO	2.0 - 8.0
Sole length min. - max.:	240 - 360 mm
Brake width:	100 mm


Binding model:	FREE 7; 85 mm
Marker Art. No.:	6224S1MA
Color combination:	black
DIN / ISO	2.0 - 7.0
Sole length min. - max.:	190 - 310 mm
Brake width:	85 mm

17.3 MARKER COLLECTION 2018 - 2019

Interface model:	World Cup PC Interface 10 mm
Marker Art. No.:	2020R1SS (2020R1SB bulk)
Color combination:	black
Sole length min. - max.:	260 - 362 mm
Width:	59 mm
Length:	542 mm

Interface model:	World Cup PC Interface 14 mm
Marker Art. No.:	2022R1SS (2022R1SC bulk)
Color combination:	black
Sole length min. - max.:	260 - 362 mm
Width:	59 mm
Length:	542 mm

17.4 COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS 18 / 19

	BINDING / BOOT				Alpine 5355 Adult Type "A"	Touring 9523 Adult	Gripwalk Adult	Alpine 5355 Junior Type "C"	Gripwalk Junior
Marker Collection	7120R1MS	Race Xcell 18	8.0 - 18.0	black - flo-red	✓				
	6920R1MS	Race Xcell 16	6.0 - 16.0	black - flo-red	✓				
	6820R1MS	Race Xcell 12	4.0 - 12.0	black - flo-red	✓				
	6520R1MT	Race 10 TCX	3.0 - 10.0	black - flo-red	✓				
	6520R1MS	Race 10	3.0 - 10.0	black - flo-red	✓				
	6320R1MS	Race Junior 8	2.0 - 8.0	black - flo-red				✓	
	7120S1TC	Race Xcell 18	8.0 - 18.0	white - black - red	✓				
	6920S1TC	Race Xcell 16	6.0 - 16.0	white - black - red	✓				
	6820S1TC	Race Xcell 12	4.0 - 12.0	white - black - red	✓				
	6521S1TC	Race 10 TCX	3.0 - 10.0	white - black - red	✓				
	6520S1TC	Race 10	3.0 - 10.0	white - black - red	✓				
	6320S1TC	Race Junior 8	2.0 - 8.0	white - black - red				✓	
	6920S1MB	Xcell 16 black	6.0 - 16.0	black	✓				
	7916S1LA	Duke Pro EPF 18 L 305 - 365; 110 mm	8.0 - 18.0	black	✓	✓	✓		
	7916S1SA	Duke Pro EPF 18 S 265 - 325; 110 mm	8.0 - 18.0	black	✓	✓	✓		
	7516S1LA	Baron EPF 13 L 305 - 365; 110 mm	4.0 - 13.0	black	✓	✓	✓		
	7516S1SA	Baron EPF 13 S 265 - 325; 110 mm	4.0 - 13.0	black	✓	✓	✓		
	7924S1JS	Jester 18 Pro ID; 90 mm	8.0 - 18.0	black - flo-red	✓	✓	✓		
	7924S1JB	Jester 18 Pro ID; 120 mm	8.0 - 18.0	black - flo-red	✓	✓	✓		
	7624S1JA	Jester 16 ID; 90 mm	6.0 - 16.0	black	✓	✓	✓		
	7624S1JB	Jester 16 ID; 110 mm	6.0 - 16.0	black	✓	✓	✓		
	7624S1JC	Jester 16 ID; 136 mm	6.0 - 16.0	black	✓	✓	✓		
	7524S1GA	Griffon 13 ID; 90 mm	4.0 - 13.0	black	✓	✓	✓		
	7524S1GB	Griffon 13 ID; 110 mm	4.0 - 13.0	black	✓	✓	✓		
	7524S1GC	Griffon 13 ID; 120 mm	4.0 - 13.0	black	✓	✓	✓		
	7524S1GD	Griffon 13 ID; 90 mm	4.0 - 13.0	white	✓	✓	✓		
	7524S1GE	Griffon 13 ID; 110 mm	4.0 - 13.0	white	✓	✓	✓		
	7524S1GF	Griffon 13 ID; 120 mm	4.0 - 13.0	white	✓	✓	✓		
	7424S1MA	Squire 11 ID; 90 mm	3.0 - 11.0	white	✓	✓	✓		
	7424S1MB	Squire 11 ID; 110 mm	3.0 - 11.0	white	✓	✓	✓		
	7424S1MC	Squire 11 ID; 90 mm	3.0 - 11.0	grey - violet	✓	✓	✓		
	7424S1MD	Squire 11 ID; 110 mm	3.0 - 11.0	grey - violet	✓	✓	✓		
	7424S1ME	Squire 11 ID; 90 mm	3.0 - 11.0	black	✓	✓	✓		
	7424S1MF	Squire 11 ID; 110 mm	3.0 - 11.0	black	✓	✓	✓		
	7816R1SE	F12 TOUR EPF; S 265 - 325; 110 mm	4.0 - 12.0	black - anthracite	✓	✓	✓		
	7816R1LE	F12 TOUR EPF; L 305 - 365; 110 mm	4.0 - 12.0	black - anthracite	✓	✓	✓		
	7716S1TC	F10 TOUR; S 265 - 325; 90 mm	3.0 - 10.0	black - white	✓	✓	✓		
	7716S1TD	F10 TOUR; L 305 - 365; 90 mm	3.0 - 10.0	black - white	✓	✓	✓		

17.4 COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS 18 / 19

BINDING				BOOT	Alpine 5355 Adult Type "A"	Touring 9523 Adult	Gripwalk Adult	Alpine 5355 Junior Type "C"	Gripwalk Junior
Marker Collection	7224S1MA	Free Ten; 85 mm (+ screw kit)	3.0 - 10.0	black - white	✓				
	7224S1MB	Free Ten; 100 mm (+ screw kit)	3.0 - 10.0	black - white	✓				
	6324S1MA	Free 8; 100 mm	2.0 - 8.0	black - white				✓	
	6224S1MA	Free 7; 85 mm	2.0 - 7.0	black	✓		✓	✓	✓
	6820R1MA	12.0 TPX; 90 mm	4.0 - 12.0	black	✓		✓		
	6720S1MA	11.0 TP; 90 mm	3.0 - 11.0	black	✓		✓		
	6720S1MB	11.0 TP; 90 mm	3.0 - 11.0	white	✓		✓		
	6520S1MA	10.0 TP; 85 mm	3.0 - 10.0	black	✓		✓		
	6220S1MA	7.0; 70 mm	2.0 - 7.0	white - black	✓		✓	✓	✓
	6220S1MB	7.0; 70 mm	2.0 - 7.0	white	✓		✓	✓	✓
	6120S1MA	4.5; 70 mm	0.75 - 4.5	white - black	✓		✓	✓	✓
	6120S1MB	4.5; 70 mm	0.75 - 4.5	white	✓		✓	✓	✓
	6120S1MC	4.5; 85 mm	0.75 - 4.5	white - black	✓		✓	✓	✓
	6862R1.MWS	FDT TPX 12 System; 110 mm	4.0 - 12.0	black - whitwe	✓		✓		
	6862S1MCS	FDT TPX 12 System; 90 mm	4.0 - 12.0	black - white	✓		✓		
	6662S1MCS	FDT TP 11 System; 90 mm	3.0 - 11.0	black - white	✓		✓		
	6562S1MCS	FDT TP 10 System; 80 mm	3.0 - 10.0	black - white	✓		✓		
	6263S1MA	FDT 7.0 System; L 235 - 330; 70 mm	2.0 - 7.0	white - black	✓		✓	✓	✓
	6163S1MA	FDT 4.5 System; S 190 - 285; 70 mm	0.75 - 4.5	white - black	✓		✓	✓	✓
	6263S1MC	FDT 7.0 System; L 235 - 330; 85 mm	2.0 - 7.0	white - black	✓		✓	✓	✓
	6163S1MC	FDT 4.5 System; S 190 - 285; 85 mm	0.75 - 4.5	white - black	✓		✓	✓	✓
	6220S1MR	7.0 RTL; 70 mm	2.0 - 7.0	white - black	✓		✓	✓	✓
	6220S1MW	7.0 RTL; 85 mm	2.0 - 7.0	white - black	✓		✓	✓	✓
	6120S1MR	4.5 RTL; 70 mm	0.75 - 4.5	white - black	✓		✓	✓	✓
	6862S1GA	Griffon 13 TCX D; 90 mm	4.0 - 13.0	black	✓		✓		
	6862S1GB	Griffon 13 TCX D; 110 mm	4.0 - 13.0	black	✓		✓		
	6762S1MA	Squire 11 TCX D; 90 mm	3.0 - 11.0	black	✓		✓		
	6762S1MB	Squire 11 TCX D; 110 mm	3.0 - 11.0	black	✓		✓		
	6523P1SS	10.0 Fastrak III TP System; 80 mm	3.0 - 10.0	black - white	✓				
Marker / Blizzard	6965S1BA	XCELL 14 DEMO; 90 mm	5.0 - 14.0	black - anthracite - orange	✓		✓		
	6965S1BS	XCELL 14 DEMO; 90 mm	5.0 - 14.0	black - anthracite	✓		✓		
	6865S1BB	XCELL 12 DEMO; 90 mm	4.0 - 12.0	black - anthracite - orange	✓		✓		
	6864S1BA	TPX 12 DEMO; 85 mm	4.0 - 12.0	black - anthracite - orange	✓		✓		

17.4 COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS 18 / 19

BINDING				BOOT	Alpine 5355 Adult Type "A"	Touring 9523 Adult	Gripwalk Adult	Alpine 5355 Junior Type "C"	Gripwalk Junior
Marker / Blizzard	6864S1BB	TPX 12 DEMO; 85 mm	4.0 - 12.0	black - anthracite	✓		✓		
	6864S1BD	TPX 12 DEMO; 85 mm	4.0 - 12.0	black - anthracite - lime	✓		✓		
	6864S1BW	TPX 12 DEMO W; 85 mm	4.0 - 12.0	black - silver	✓		✓		
	6767R1BA	TCX 11 DEMO; 90 mm	3.0 - 11.0	black - silver	✓		✓		
	6767R1BA	TCX 11 DEMO; 90 mm	3.0 - 11.0	black - silver	✓		✓		
	6767S1BX	TLX 11 DEMO W; 85 mm	3.0 - 11.0	black - silver	✓		✓		
	6564S1BA	TPC 10 DEMO; 85 mm	3.0 - 10.0	black - anthracite - orange	✓		✓		
	6564S1BB	TPC 10 DEMO; 85 mm	3.0 - 10.0	black - anthracite	✓		✓		
	6563R1BA	TLT 10 DEMO; 80 mm	3.0 - 10.0	black - anthracite	✓		✓		
	6563S1BB	TLT 10 DEMO W; 80 mm	3.0 - 10.0	black - silver	✓		✓		
	6563S1BC	TLT 10 DEMO W; 80 mm	3.0 - 10.0	white - black - silver	✓		✓		
	6591Q1BA	IQ TP 10; 80 mm	3.0 - 10.0	black - anthracite	✓				
	6591S1BW	IQ TP 10 W; 80 mm	3.0 - 10.0	black - silver	✓				
	7130S1SB	Race Xcell 24	12.0 - 24.0	black - orange	✓				
	7120S1SB	Race Xcell 18	8.0 - 18.0	black - orange	✓				
	6920S1SB	Race Xcell 16	6.0 - 16.0	black - orange	✓				
	6820S1SB	Race Xcell 12	4.0 - 12.0	black - orange	✓				
	6521S1SB	Race 10 TCX	3.0 - 10.0	black - orange	✓				
	6520S1SB	Race 10	3.0 - 10.0	black - orange	✓				
	6320S1SB	Race Junior 8	2.0 - 8.0	black - orange				✓	
Marker / Nordica	6920S1ND	RACE XCELL 14	5.0 - 14.0	black - flo-red	✓				
	6965S1NA	XCELL 14 FDT	5.0 - 14.0	black - flo-red	✓		✓		
	6865S1NB	XCELL 12 FDT	4.0 - 12.0	black - flo-red	✓		✓		
	6865S1NC	XCELL 12 FDT	4.0 - 12.0	black - green	✓		✓		
	6864S1NR	TPX 12 FDT	4.0 - 12.0	black - red	✓		✓		
	6864S1NB	TPX 12 FDT	4.0 - 12.0	black - green	✓		✓		
	6764S1NA	TP2 LIGHT 11 FDT	3.0 - 11.0	black - anthracite	✓		✓		
	6764S1NC	TP2 LIGHT 11 FDT	3.0 - 11.0	white - anthracite	✓		✓		
	6762R1NA	TP light 11 FDT	3.0 - 11.0	black - anthracite	✓		✓		
	6762R1NC	TP light 11 FDT	3.0 - 11.0	white - anthracite	✓		✓		
	6564S1NA	TP2 COMPACT 10 FDT	3.0 - 10.0	black - anthracite	✓		✓		
	6564S1NC	TP2 COMPACT 10 FDT	3.0 - 10.0	white - anthracite	✓		✓		
Marker / Völkl	7635S1VS	iPT WR XL 14 FR GW	5.0 - 14.0	black - white	✓		✓		
	7535S1VG	iPT WR XL 12 FR GW green	4.0 - 12.0	black - green	✓		✓		
	7535S1VO	iPT WR XL 12 FR GW flo-red	4.0 - 12.0	black - flo-red	✓		✓		

17.4 COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS 18 / 19

BINDING				BOOT	Alpine 5355 Adult Type "A"	Touring 9523 Adult	Gripwalk Adult	Alpine 5355 Junior Type "C"	Gripwalk Junior
Marker / Völkl	6835R1VO	iPT WR XL 12 TCX GW orange	4.0 - 12.0	black - orange	✓		✓		
	6835R1VB	iPT WR XL 12 TCX GW Alu	4.0 - 12.0	black - blue	✓		✓		
	6735R1VL	iPT WR XL 11 TCX GW Lady	3.0 - 11.0	black - white	✓		✓		
	6977R1VR	rMotion2 16 GW black red	6.0 - 16.0	black - flo-red	✓		✓		
	6877R1VR	rMotion2 12 GW black red	4.0 - 12.0	black - flo-red	✓		✓		
	6877S1VG	rMotion2 12 GW green	4.0 - 12.0	black - green	✓		✓		
	6877R1VJ	rMotion2 12 GW neutral	4.0 - 12.0	black - white	✓		✓		
	6877S1VD	rMotion2 12 GW Deacon Alu	4.0 - 12.0	black - silver	✓		✓		
	6862R1VA	VMotion 12 GW	4.0 - 12.0	black - white	✓		✓		
	6862R1VB	VMotion 12 alu GW	4.0 - 12.0	black - white	✓		✓		
	6762S1VL	VMotion 11 alu GW Lady gold	3.0 - 11.0	black - white - gold	✓		✓		
	6762S1VS	VMotion 11 alu GW Lady silver	3.0 - 11.0	black - white - silver	✓		✓		
	6662S1VA	VMotion 11 GW	3.0 - 11.0	black - white	✓		✓		
	6562S1VA	VMotion 10 GW	3.0 - 10.0	black - white	✓		✓		
	6562S1VL	VMotion 10 GW Lady black white	3.0 - 10.0	black - white	✓		✓		
	6562S1VB	VMotion 10 GW Lady teal	3.0 - 10.0	black - white - teal	✓		✓		
	6562S1VC	VMotion 10 GW Lady gold	3.0 - 10.0	black - white - gold	✓		✓		
	6462R1VL	VMotion 9 GW Lady	2.5 - 9.0	black - white	✓		✓		
	6262S1VA	7.0 VMotion Jr. R	2.0 - 7.0	white - black	✓		✓	✓	✓
	6262S1VB	7.0 VMotion Jr. R Lady	2.0 - 7.0	white	✓		✓	✓	✓
	6162S1VA	4.5 VMotion Jr.	0.75 - 4.5	white - black	✓		✓	✓	✓
	6162S1VB	4.5 VMotion Jr. Lady	0.75 - 4.5	white	✓		✓	✓	✓
Marker / K 2	6978S1KR	MXCELL 14 TCx D	5.0 - 14.0	black - flo-red	✓		✓		
	6878S1KW	MXCELL 12 TCx D	4.0 - 12.0	black - white	✓		✓		
	6965S1KR	MXCELL 14 TCx Quikclik	5.0 - 14.0	black - red	✓		✓		
	6865S1KC	MXCELL 12 TCx Quikclik	4.0 - 12.0	black - flo-red	✓		✓		
	6862R1KD	MXC 12 TCx light Quikclik	4.0 - 12.0	black - green	✓		✓		
	6762S1KA	ERC 11 TCx light Quikclik	3.0 - 11.0	black - gold	✓		✓		
	6762S1KB	ERC 11 TCx light Quikclik	3.0 - 11.0	black - blue	✓		✓		
	6762S1KW	ERC 11 TCx light Quikclik	3.0 - 11.0	black - silver	✓		✓		
	6862S1KC	M3 12 TCx light Quikclik	4.0 - 12.0	black - flo-red	✓		✓		
	6762S1KY	M3 11 TCx light Quikclik	3.0 - 11.0	black - yellow	✓		✓		
	6762S1KG	M3 11 TCx light Quikclik	3.0 - 11.0	black - green	✓		✓		
	6762S1KD	M3 11 TCx light Quikclik	3.0 - 11.0	black - anthracite	✓		✓		
	6662S1KG	M3 11 Compact Quikclik	3.0 - 11.0	black - green	✓		✓		
	6562S1KA	M3 10 Compact Quikclik	3.0 - 10.0	black - yellow	✓		✓		
	6562S1KG	M3 10 Compact Quikclik	3.0 - 10.0	black - green	✓		✓		
	6562S1KB	M3 10 Compact Quikclik	3.0 - 10.0	black - anthracite	✓		✓		
	6562S1KT	ER3 10 Compact Quikclik	3.0 - 10.0	white - teal	✓		✓		
	6562S1KW	ER3 10 Compact Quikclik	3.0 - 10.0	black - red	✓		✓		

17.4 COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS 18 / 19

BINDING				BOOT	Alpine 5355 Adult Type "A"	Touring 9523 Adult	Gripwalk Adult	Alpine 5355 Junior Type "C"	Gripwalk Junior
Marker / K 2	6562S1KS	ER3 10 Compact Quikclik	3.0 - 10.0	black - teal	✓		✓		
	6562R1KD	M2 10 Quikclik	3.0 - 10.0	black - anthracite	✓		✓		
	6562R1KW	M2 10 Quikclik; 85 mm	3.0 - 10.0	black - anthracite	✓		✓		
	6562S1KE	ERP 10 Quikclik	3.0 - 10.0	white - black	✓		✓		
	6562S1KF	ERP 10 Quikclik	3.0 - 10.0	black - anthracite	✓		✓		
	6570S1KA	M2 10	3.0 - 10.0	black - anthracite	✓		✓		
	6570S1KW	ERP 10	3.0 - 10.0	white - black	✓		✓		
	7262R1KA	Free Ten Quikclik	3.0 - 10.0	black - anthracite	✓		✓		
	6262R1KA	FDT 7.0; L 235 - 330; 70 mm	2.0 - 7.0	white	✓		✓	✓	✓
	6162R1KA	FDT 4.5; S 190 - 285; 70 mm	0.75 - 4.5	white	✓		✓	✓	✓
	6262R1KC	FDT 7.0; L 235 - 330; 85 mm	2.0 - 7.0	white	✓		✓	✓	✓
	6162R1KC	FDT 4.5; S 190 - 285; 85 mm	0.75 - 4.5	white	✓		✓	✓	✓
	6262R1NK	FDT 7.0; L 235 - 330; 70 mm	2.0 - 7.0	black	✓		✓	✓	✓
	6162R1NK	FDT 4.5; S 190 - 285; 70 mm	0.75 - 4.5	black	✓		✓	✓	✓
	6262R1SK	FDT 7.0; L 235 - 330; 85 mm	2.0 - 7.0	black	✓		✓	✓	✓
	6162R1SK	FDT 4.5; S 190 - 285; 85 mm	0.75 - 4.5	black	✓		✓	✓	✓
Marker / Movement	6662S1AM	FDT TP 110; 90 mm	3.0 - 11.0	black	✓		✓		
	6562S1CM	FDT TP 90; 90 mm	3.0 - 10.0	white	✓		✓		
	6620S1AM	Freeski TP 110; 85 mm	3.0 - 11.0	black	✓		✓		
	6620S1BM	Freeski TP 110; 100 mm	3.0 - 11.0	black	✓		✓		
	6520S1AM	Freeski TP 90; 85 mm	3.0 - 10.0	black	✓		✓		
	6520S1CM	Freeski TP 90; 85 mm	3.0 - 10.0	white	✓		✓		
Bogner / Indigo	6878R1BB	Xcell 12 Demo; Bogner	4.0 - 12.0	black	✓		✓		
	6878R1BJ	Xcell 12 Demo; Indigo	4.0 - 12.0	black	✓		✓		
	6762R1BB	FDT TP 11; Bogner	3.0 - 11.0	white	✓		✓		
	6762R1BJ	FDT TP 11; Indigo	3.0 - 11.0	white	✓		✓		

KINGPIN & KINGPIN DEMO ➔ **4.1**

ALPINIST & ALPINIST LONG TRAVEL ➔ **16.1**

17.4 COMPATIBILITY BOOT TYPES / MARKER BINDING MODELS 18 / 19

ISO STANDARDS								
	BOOT Standards	ISO Alpine Boot Sole			ISO Alpine Touring Boot Sole		
		ISO 5355			ISO 9523		
		Adult	Junior		AT	GripWalk	WTR
	BINDING Standards	ISO Alpine Binding			ISO Alpine Touring Binding		
		ISO 9462			ISO 13992		
		Adult	Junior		Adult		

NON ISO COMPLIANT				
	Non ISO Boot	NON ISO Boot Sole		
		No ISO Certification		
		GripWalk Junior	Non Dimension AT	Alpine Dimension w/Tec inserts
	Non ISO Binding	NON ISO Alpine Touring Binding		
		No ISO Certification		

		JUNIOR BOOTS		ADULT BOOTS				NON ISO BOOTS	
		GRIPWALK JUNIOR	ALPINE JUNIOR	GRIPWALK ADULT	ALPINE ADULT	WTR ADULT	ISO ALPINE TOURING	DIMENSION AT BOOTS	DIMENSION W/ TEC
JUNIOR BINDINGS	JUNIOR GRIPWALK BINDING								★★
	JUNIOR ALPINE BINDING								★★
ADULT BINDINGS	ADULT GRIPWALK BINDING								★★
	ADULT ALPINE BINDING								★★
	WTR BINDING			★★					★★
	ALPINE TOURING BINDING								★★

		GRIPWALK JUNIOR	ALPINE JUNIOR	GRIPWALK ADULT		WTR ADULT	ISO ALPINE TOURING	NON ISO AT W/	DIMENSION W/ TEC
PIN TECH BINDINGS	ISO Alpine Touring PIN TECH							★★	★★
	NON ISO PIN TECH								★★

★★	CHECK WITH SPECIFIC BINDING MANUFACTURER

17.5 MARKER TECHNICAL SPECIFICATIONS 2018 - 2019

Product Code	Name	DIN - ISO	Weight Pair (Grams)	Installation Tool	Min - Max boot sole length (mm)	Height Adjustment Toe (mm)	Boot Sole Type Compatible	Stand Height Toe (mm)	Stand Height Heel (mm)	Heel Vertical Elasticity (mm)	Elasticity toe (mm)
	RACE										
7120R1.MS	*Race Xcell 18*	*8.0 - 18.0*	2608	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6920R1.MS	Race Xcell 16	6.0 - 16.0	2408	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6820R1.MS	Race Xcell 12	4.0 - 12.0	2348	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6520R1.MT	Race 10 TCX	3.0 - 10.0	2132	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	18	16	30
6520R1.MS	Race 10	3.0 - 10.0	1672	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	19	8	30
6320R1.MS	Race Junior 8	2.0 - 8.0	1664	W001G1T - W012J1T - W007H1T	240 - 360	-	Alpine- Junior	14.5	19	8	30
7120S1.TC	Race Xcell 18	8.0 - 18.0	2608	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6920S1.TC	Race Xcell 16	6.0 - 16.0	2408	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6820S1.TC	Race Xcell 12	4.0 - 12.0	2348	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6521S1.TC	Race 10 TCX	3.0 - 10.0	2132	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	18	16	30
6520S1.TC	Race 10	3.0 - 10.0	1672	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	19	8	30
6320S1.TC	Race Junior 8	2.0 - 8.0	1664	W001G1T - W012J1T - W007H1T	240 - 360	-	Alpine- Junior	14.5	19	8	30
	ROYAL FAMILY										
7916S1.LA	Duke Pro EPF 18 L 305 - 365; 110 mm	8.0 - 18.0	2790	W006M1T	304 - 367	8	Alpine / Gripwalk / Alpine Touring	34	36	16	30
7916S1.SA	Duke Pro EPF 18 S 265 - 325; 110 mm	8.0 - 18.0	2760	W006M1T	264 - 327	8	Alpine / Gripwalk / Alpine Touring	34	36	16	30
7516S1.LA	Baron EPF 13 L 305 - 365; 110 mm	4.0 - 13.0	2780	W006M1T	304 - 367	8	Alpine / Gripwalk / Alpine Touring	34	36	16	30
7516S1.SA	Baron EPF 13 S 265 - 325; 110 mm	4.0 - 13.0	2750	W006M1T	264 - 327	8	Alpine / Gripwalk / Alpine Touring	34	36	16	30
7924S1.JS	Jester 18 Pro ID; 90 mm	8.0 - 18.0	2182	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7924S1.JB	Jester 18 Pro ID; 120 mm	8.0 - 18.0	2190	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7624S1.JA	Jester 16 ID; 90 mm	6.0 - 16.0	2106	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7624S1.JB	Jester 16 ID; 110 mm	6.0 - 16.0	2112	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7624S1.JC	Jester 16 ID; 136 mm	6.0 - 16.0	2108	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524S1.GA	Griffon 13 ID; 90 mm	4.0 - 13.0	2032	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524S1.GB	Griffon 13 ID; 110 mm	4.0 - 13.0	1900	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524S1.GC	Griffon 13 ID; 120 mm	4.0 - 13.0	1920	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524S1.GD	Griffon 13 ID; 90 mm	4.0 - 13.0	2032	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524S1.GE	Griffon 13 ID; 110 mm	4.0 - 13.0	1900	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524S1.GF	Griffon 13 ID; 120 mm	4.0 - 13.0	1920	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7424S1.MA	*Squire 11 ID; 90 mm*	*3.0 - 11.0*	1530	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424S1.MB	*Squire 11 ID; 110 mm*	*3.0 - 11.0*	1540	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424S1.MG	*Squire 11 ID; 90 mm*	*3.0 - 11.0*	1530	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424S1.MH	*Squire 11 ID; 110 mm*	*3.0 - 11.0*	1540	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424S1.ME	*Squire 11 ID; 90 mm*	*3.0 - 11.0*	1530	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424S1.MF	*Squire 11 ID; 110 mm*	*3.0 - 11.0*	1540	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
	TOUR										
7816R1.SE	*F12 TOUR EPF; S 265 - 325; 110 mm*	*4.0 - 12.0*	2204	W006M1T	264 - 327	8	Alpine / Gripwalk / Alpine Touring	34	36	16	25
7816R1.LE	*F12 TOUR EPF; L 305 - 365; 110 mm*	*4.0 - 12.0*	2234	W006M1T	304 - 367	8	Alpine / Gripwalk / Alpine Touring	34	36	16	25
7716S1.TC	F10 TOUR; S 265 - 325; 90 mm	3.0 - 10.0	1908	W010G1T - W011J1T	264 - 327	8	Alpine / Gripwalk / Alpine Touring	34	36	16	25
7716S1.TD	F10 TOUR; L 305 - 365; 90 mm	3.0 - 10.0	1938	W010G1T - W011J1T	304 - 367	8	Alpine / Gripwalk / Alpine Touring	34	36	16	25
	KINGPIN										
7733S1.MAZ	KINGPIN 10; 75 - 100 mm	5.0 - 10.0	1534	W008P1T / W008R1T / W008S1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7733S1.MBZ	KINGPIN 10; 100 - 125 mm	5.0 - 10.0	1544	W008P1T / W008R1T / W008S1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7933S1.MAZ	KINGPIN 13; 75 - 100 mm	6.0 - 13.0	1550	W008P1T / W008R1T / W008S1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7933S1.MBZ	KINGPIN 13; 100 - 125 mm	6.0 - 13.0	1560	W008P1T / W008R1T / W008S1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7734S1.MAZ	KINGPIN 10 Demo; 75 - 100 mm	5.0 - 10.0	2020	W008P1T / W008R1T / W008S1T	264 - 356	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7934S1.MBZ	KINGPIN 13 Demo; 100 - 125 mm	6.0 - 13.0	2036	W008P1T / W008R1T / W008S1T	264 - 356	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
	APLINITST										
7833S1.MA	MARKER ALPINIST 12	-	245	W008S1T	243 - 367	-	Alpine Touring w/Tec Inserts	17	17	-	-
7833S1.MB	MARKER ALPINIST 12	-	245	W008S1T	243 - 367	-	Alpine Touring w/Tec Inserts	17	17	-	-
7633S1.MC	MARKER ALPINIST 9	-	245	W008S1T	243 - 367	-	Alpine Touring w/Tec Inserts	17	17	-	-
7633S1.MB	MARKER ALPINIST 9	-	245	W008S1T	243 - 367	-	Alpine Touring w/Tec Inserts	17	17	-	-
7834S1.MW	MARKER ALPINIST 12 long travel; 105 mm	-	345	W008S1T	243-387	-	Alpine Touring w/Tec Inserts	17	17	-	-
7834S1.MS	MARKER ALPINIST 12 long travel; 90 mm	-	345	W008S1T	243-387	-	Alpine Touring w/Tec Inserts	17	17	-	-
7634S1.MW	MARKER ALPINIST 9 long travel; 105 mm	-	345	W008S1T	243-387	-	Alpine Touring w/Tec Inserts	17	17	-	-
7634S1.MS	MARKER ALPINIST 9 long travel; 90 mm	-	345	W008S1T	243-387	-	Alpine Touring w/Tec Inserts	17	17	-	-
	FREE										
7224S1.MA	Free Ten; 85 mm (+ screw kit)	3.0 - 10.0	1434	W001G1T - W012J1T	240 - 360	-	Alpine- Adult	18	23	8	25
7224S1.MB	Free Ten; 100 mm (+ screw kit)	3.0 - 10.0	1440	W001G1T - W012J1T	240 - 360	-	Alpine- Adult	18	23	8	25
6324S1.MA	Free 8; 100 mm	2.0 - 8.0	1636	W001G1T - W012J1T - W007H1T	240 - 360	-	Alpine- Junior	14.5	19	8	30
6224S1.MA	*Free 7; 85 mm*	*2.0 - 7.0*	1114	W007H1T	190 - 310	-	Alpine- Adult &Junior	12	18	6	14
	PERFORMANCE										
6820R1.MA	12.0 TPX; 90 mm	*4.0 - 12.0*	1906	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6820R1.MC	12.0 TPX; 110 mm	*4.0 - 12.0*	0	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720S1.MA	11.0 TP; 90 mm	*3.0 - 11.0*	1870	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720S1.MC	11.0 TP; 110 mm	*3.0 - 11.0*		W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720S1.MB	11.0 TP; 90 mm	*3.0 - 11.0*	1870	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720S1.MD	11.0 TP; 110 mm	*3.0 - 11.0*	0	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6520S1.MW	10.0 TP ; 85mm	*3.0 - 10.0*		W001G1T - W012J1T	240 - 360	-	Alpine / Gripwalk	17	23	8	30
6520S1.MB	10.0 TP ; 100 mm	*3.0 - 10.0*		W001G1T - W012J1T	240 - 360	-	Alpine / Gripwalk	17	23	8	30
6520S1.MA	*10.0; 85 mm*	*3.0 - 10.0*	1500	W001G1T - W012J1T	240 - 360	-	Alpine- Adult	16	23	8	30
	7.0										
6220R1MA	*7.0*	*2.0 - 7.0*	1122	W007H1T	190-310	-	Alpine- Adult &Junior	15	21	6	14
6220R1MB	*7.0*	*2.0 - 7.0*	1122	W007H1T	190-310	-	Alpine- Adult &Junior	15	21	6	14
	4.5										
6120R1MA	*4.5*	*0.75 - 4.5*	1116	W007H1T	190-310	-	Alpine- Adult &Junior	15	21	6	14
6120R1MB	*4.5*	*0.75 - 4.5*	1116	W007H1T	190-310	-	Alpine- Adult &Junior	15	21	6	14
6120R1MC	*4.5; 85 mm*	*0.75 - 4.5*	1126	W007H1T	190-310	-	Alpine- Adult &Junior	15	21	6	14
	Demo										
6862S1GA	Griffon 13 TCX D; 90 mm	4.0 - 13.0	2440	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6862S1GB	Griffon 13 TCX D; 110 mm	4.0 - 13.0	2448	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6762S1MA	Squire 11 TCX D; 90 mm	3.0 - 11.0	1926	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6762S1MB	Squire 11 TCX D; 110 mm	3.0 - 11.0	1934	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6862S1.MCS	FDT TPX 12; 90 mm System	4.0 - 12.0	2040	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6862S1MW	*FDT TPX 12; 110 mm System*	*4.0 - 12.0*	0	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6662S1.MCS	FDT TP 11; 90 mm System	3.0 - 11.0	1996	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	8	30
6662S1.MW	*FDT TP 11; 110 mm System*	*3.0 - 11.0*	0	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6562S1.MCS	FDT TP 10; 80 mm System	3.0 - 10.0	1946	W009P1T- W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	8	30
6262S1.MA	*FDT 7.0 System; L 235 - 330; 70 mm*	*2.0 - 7.0*	1284	W003HIT	235 - 330	-	Alpine- Adult &Junior	22	23	6	14
6162S1.MA	*FDT 4.5 System; S 190 - 285; 70 mm*	*0.75 - 4.5*	1280	W003HIT	190 - 285	-	Alpine- Adult &Junior	22	23	6	14
6262S1.MC	*FDT 7.0 System; L 235 - 330; 85 mm*	*2.0 - 7.0*	1294	W003HIT	235 - 330	-	Alpine- Adult &Junior	22	23	6	14
6162S1.MC	*FDT 4.5 System; S 190 - 285; 85 mm*	*0.75 - 4.5*	1290	W003HIT	190 - 285	-	Alpine- Adult &Junior	22	23	6	14
6220S1.MR	*7.0 RTL*	*2.0 - 7.0*	1182	W007H1T	240 - 304	-	Alpine- Adult &Junior	12	18	6	14
6220S1.MW	*7.0 RTL; 85 mm*	*2.0 - 7.0*	1190	W007H1T	240 - 304	-	Alpine- Adult &Junior	12	18	6	14
6120S1.MR	*4.5 RTL*	*0.75 - 4.5*	1178	W007H1T	200 - 264	-	Alpine- Adult &Junior	12	18	6	14
7620O1JA	Jester 16 Demo; 90 mm	6.0 - 16.0	2390	W001G1T - W012J1T - W005L1T	265 - 365	-	Alpine- Adult	21	25	16	30
7620O1JB	Jester 16 Demo; 110 mm	6.0 - 16.0	2396	W001G1T - W012J1T - W005L1T	265 - 365	-	Alpine- Adult	21	25	16	30
7520Q1GA	Griffon 13 D; 90 mm	4.0 - 13.0	2440	W009P1T- W004Q1T	265 - 365	-	Alpine / Gripwalk	21	25	16	30
7520Q1GB	Griffon 13 D; 110 mm	4.0 - 13.0	2448	W009P1T- W004Q1T	265 - 365	-	Alpine / Gripwalk	21	25	16	30

16.4 MARKER TECHNICAL SPECIFICATIONS 2018 - 2019

Product Code	Name	DIN - ISO	Color	Toe Technology	Heel Technology	Forward Pressure Type	Weight Pair (Grams)	Min - Max boot sole length (mm)
	Völkl							
	WR XL FR Demo GW							
7635S1VS	iPT WR XL 14 FR GW	5.0 - 14.0	Black - White	Triple Pivot elite	Inter Pivot	arrow/ range	2482	268 - 371
7535S1VG	iPT WR XL 12 FR GW green	4.0 - 12.0	Black - Green	Triple Pivot elite	Inter Pivot	arrow/ range	2460	268 - 371
7535S1VO	iPT WR XL 12 FR GW orange	4.0 - 12.0	Black - Orange	Triple Pivot elite	Inter Pivot	arrow/ range	2460	268 - 371
	WideRide XL TCX Demo GW							
6835R1VO	iPT WR XL 12 TCX GW	4.0 - 12.0	Black - Orange	Triple Pivot elite	TCX	arrow/ range	2520	268 - 371
6735R1VL	iPT WR XL 11 TCX GW Lady	3.0 - 11.0	Black - White	TP Comfort	TCX light	arrow/ range	2362	268 - 371
	rMotion2 GW							
6977R1VR	rMotion2 16 GW Race	6.0 - 16.0	Black - Flo Red	Xcell	Twincam X	flush	2110	260 - 365
6877R1VR	rMotion2 12 GW Race	4.0 - 12.0	Black - Flo Red	Xcell	Twincam X	flush	1970	260 - 365
6977R1VN	rMotion2 16 GW neutral	6.0 - 16.0	Black - White	Xcell	Twincam X	flush	2110	260 - 365
6877R1VG	rMotion2 12 GW Code green	4.0 - 12.0	Black - Green	Xcell	Twincam X	flush	1970	260 - 365
6877R1VB	rMotion2 12 GW Code blue	4.0 - 12.0	Black - Blue	Xcell	Twincam X	flush	1970	260 - 365
6877R1VV	rMotion2 12 GW V-Werks	4.0 - 12.0	Black - Silver	Xcell	Twincam X	flush	1970	260 - 365
	VMotion GW (FDT / FDT HP)							
6862R1VA	VMotion 12 GW	4.0 - 12.0	Black - White	TPX	Twincam X	Line in Area	2028	260 - 388
6762S1VL	VMotion 11 GW Lady	3.0 - 11.0	Black - White	TP Compact	Compact 3	Line in Area	1560	260 - 388
6562S1VA	VMotion 10 GW	3.0 - 10.0	Black - White	TP Compact	Compact 3	Line in Area	1592	260 - 388
6562S1VL	VMotion 10 GW Lady	3.0 - 10.0	Black - White	TP Compact	Compact 3	Line in Area	1592	260 - 388
	Vmotion Junior							
6262S1VA	7.0 VMotion Jr. R	2.0 - 7.0	White - Black	4-linkage jr2	Compact jr2	Junior slot	1072	235 - 330
6262S1VB	7.0 VMotion Jr. R Lady	2.0 - 7.0	White	4-linkage jr2	Compact jr2	Junior slot	1072	235 - 330
6162S1VA	4.5 VMotion Jr.	0.75 - 4.5	White - Black	4-linkage jr2	Compact jr2	Junior slot	1062	190 - 285
6162S1VB	4.5 VMotion Jr. Lady	0.75 - 4.5	White	4-linkage jr2	Compact jr2	Junior slot	1062	190 - 285
	K 2							
	MXCELL TCx Demo							
6978S1KA	MXCELL 14 TCx D	5.0 - 14.0	Black - Flo Red	Xcell	Twincam X	arrow/ range	2080	260 - 365
6878S1KA	MXCELL 12 TCx D	4.0 - 12.0	Black - Green	Xcell	Twincam X	arrow/ range	2066	260 - 365
	MXC TCx Quikclik							
7562S1KC	MXC 12 TCx Quikclik	4.0 - 12.0	Black - Red	Triple pivot Elite	TCX light	Line in Area	2436	260 - 388
6862S1KD	MXC 12 TCx light Quikclik	4.0 - 12.0	Black - Green	TPX	TCX light	Line in Area	2498	260 - 388
	M 3 TCX light Quikclik							
6862S1KC	M3 12 TCx light Quikclik	4.0 - 12.0	Black - Flo Red	TP Compact	TCX light	Line in Area	1986	260 - 388
6762S1KA	M3 11 TCx light Quikclik	3.0 - 11.0	Black - Yellow	TP Compact	TCX light	Line in Area	1966	260 - 388
6762S1KG	M3 11 TCx light Quikclik	3.0 - 11.0	Black - Green	TP Compact	TCX light	Line in Area	1966	260 - 388
	ERC / ER3 TCx light							
6762S1KA	ERC 11 TCx light Quikclik	3.0 - 11.0	Black - Violet -	TP Compact	TCX light	Line in Area	1966	260 - 388
6762S1KB	ERC 11 TCx light Quikclik	3.0 - 11.0	Black- Petrol	TP Compact	TCX light	Line in Area	1966	260 - 388
6762S1KC	ERC 11 TCx light Quikclik	3.0 - 11.0	Black - Flo Red	TP Compact	TCX light	Line in Area	1966	260 - 388
	M3 / ER3 TCx light							
6870S1KC	M3 12 TCx light	4.0 - 12.0	Black - Red	TP Compact	TCX light	flush	1738	258 - 370
6770S1KA	M3 11 TCx light	3.0 - 11.0	Black - Yellow	TP Compact	TCX light	flush	1724	258 - 370
6770S1KG	M3 11 TCx light	3.0 - 11.0	Black - Green	TP Compact	TCX light	flush	1724	258 - 370
	M3 / ER3 Compact Quikclik							
6562S1KB	M3 10 Compact Quikclik	3.0 - 10.0	Black -	TP Compact	Compact3	Line in Area	1570	260 - 388
6562S1KA	M3 10 Compact Quikclik	3.0 - 10.0	Black - Yellow	TP Compact	Compact3	Line in Area	1570	260 - 388
6562S1KG	ER3 10 Compact Quikclik	3.0 - 10.0	Black - Green	TP Compact	Compact3	Line in Area	1568	260 - 388
6562S1KT	ER3 10 Compact Quikclik	3.0 - 10.0	White - Petrol	TP Compact	Compact3	Line in Area	1568	260 - 388
6562S1KW	ER3 10 Compact Quikclik	3.0 - 10.0	Black - Red	TP Compact	Compact3	Line in Area	1568	260 - 388
6562S1KS	ER3 10 Compact Quikclik	3.0 - 10.0	Black - Teal	TP Compact	Compact3	Line in Area	1568	260 - 388
	M2 / ERP Quikclik							
6562R1KD	M2 10 Quikclik	3.0 - 10.0	Black -	2linkage	Compact3	Line in Area	2016	260 - 388
6562R1KH	M2 10 Quikclik	3.0 - 10.0	Black - Yellow	2linkage	Compact3	Line in Area	2016	260 - 388
6562S1KE	ERP 10 Quikclik	3.0 - 10.0	White - Black	2linkage	Compact3	Line in Area	1564	260 - 388
6562S1KJ	ERP 10 Quikclik	3.0 - 10.0	Black -	2linkage	Compact3	Line in Area	1564	260 - 388
	M2 / ERP							
6570S1KF	M2 10	3.0 - 10.0	Black -	2linkage	Compact3	flush	1570	258 - 370
6570S1KE	ERP 10	3.0 - 10.0	White - Black	2linkage	Compact3	flush	1354	258 - 321
6570S1KF	ERP 10	3.0 - 10.0	Black -	2linkage	Compact3	flush	1354	258 - 321
	Free							
7262R1KA	Free Ten Quikclik	3.0 - 10.0	Black -	Triple Pivot light	Compact 3	Line in Area	1510	260 - 388

16.4 MARKER TECHNICAL SPECIFICATIONS 2018 - 2019

Product Code	Name	DIN - ISO	Color	Toe Technology	Heel Technology	Forward Pressure Type	Weight Pair (Grams)	Min - Max boot sole length
	BLIZZARD							
	XCELL Demo (FDT)							
6965S1BA	XCELL 14 DEMO; 90	5.0 - 14.0	Black - Anthracite - Orange	Xcell	Twincam X	Line in Area	2158	256 - 388
6865S1BS	XCELL 12 DEMO; 90	4.0 - 12.0	Black - Anthracite - Lime	Xcell	TCX Light	Line in Area	2094	256 - 388
6865S1BB	XCELL 12 DEMO; 90	4.0 - 12.0	Black - Anthracite - Orange	Xcell	TCX Light	Line in Area	2094	256 - 388
	TLX Demo (FDT)							
6767S1BX	TLX 11 DEMO W; 85 mm	3.0 - 11.0	Black - Silver	2linkage	TCX light	Line in Area	1740	256 - 388
	TCX Demo (FDT)							
6864S1BA	TPX 12 DEMO; 85 mm	4.0 - 12.0	Black - Anthracite - Orange	TP Compact	TCX light	Line in Area	1994	260 - 388
6864S1BB	TPX 12 DEMO; 85 mm	4.0 - 12.0	Black - Anthracite	TP Compact	TCX light	Line in Area	1994	260 - 388
6864S1BD	TPX 12 DEMO; 85 mm	4.0 - 12.0	Black - Anthracite - Lime	TP Compact	TCX light	Line in Area	1994	260 - 388
6864S1BW	TPX 12 DEMO W; 85	4.0 - 12.0	Black - Silver	TP Compact	TCX light	Line in Area	1994	260 - 388
	TCX Demo (FDT)							
6767S1BW	TCX 11 DEMO; 90 mm	3.0 - 11.0	Black - Silver	TP Compact	Compact3	Line in Area	1556	260 - 388
6767S1BA	TCX 11 DEMO; 110 mm	3.0 - 11.0	Black - Silver	TP Compact	Compact3	Line in Area	1556	260 - 388
	TLT Demo (FDT)							
6563R1BA	TLT 10 DEMO; 80 mm	3.0 - 10.0	Black - Anthracite	2linkage	Compact 3	Line in Area	1572	260 - 388
6563S1BB	TLT 10 DEMO W; 80 mm	3.0 - 10.0	White - Anthracite - Silver	2linkage	Compact 3	Line in Area	1572	260 - 388
6563S1BC	TLT 10 DEMO W; 80 mm	3.0 - 10.0	Black - Silver - Blue	2linkage	Compact 3	Line in Area	1572	260 - 388
	IQ TP							
6591Q1BA	IQ TP 10	3.0 - 10.0	Black - Anthracite	TP Compact	Compact3	arrow/ range	1694	265 - 369
6591S1BW	IQ TP 10 W	3.0 - 10.0	Black - Silver	TP Compact	Compact3	arrow/ range	1694	265 - 369
	NORDICA							
	RACE XCELL							
6920S1ND	RACE XCELL 14	5.0 - 14.0	Black - Flo Red	Xcell	Twincam X	flush	1960	260 - 365
	Pro Performance /							
6965S1NA	XCELL 14 FDT	4.0 - 12.0	Black - Flo Red	Xcell	Twincam X	flush	1962	260 - 365
6965S1NB	XCELL 12 FDT	4.0 - 12.0	Black - Flo Red	Xcell	Twincam X	flush	1962	260 - 365
6865S1NC	XCELL 12 FDT	4.0 - 12.0	Black - Green	TPX	TCX light	flush	1834	260 - 365
	FDT							
6864S1NA	TPX 12 FDT	4.0 - 12.0	Black - Red	Triple Pivot light	Comfort2	Line in Area	1562	260 - 388
6864S1NB	TPX 12 FDT	4.0 - 12.0	Black - Green	TP Compact	TCX light	Line in Area	1576	260 - 388
6764S1NA	TP2 LIGHT 11 FDT	3.0 - 11.0	Black - Anthracite	TP Compact	TCX light	Line in Area	1576	260 - 388
6764S1NC	TP2 LIGHT 11 FDT	3.0 - 11.0	White - Anthracite	TP Compact	Compact3	Line in Area	1576	260 - 388
6762R1NA	TP LIGHT 11 FDT	3.0 - 11.0	Black - Anthracite	TP Compact	Compact3	Line in Area	1576	260 - 388
6762R1NC	TP LIGHT 11 FDT	3.0 - 11.0	White - Anthracite	TP Compact	Compact 3	Line in Area	1588	260 - 388
	BOGNER / INDIGO							
	Race Xcell							
6878R1BB	Xcell 12 Demo; Bogner	4.0 - 12.0	Black	Xcell	Twincam X	flush	1972	260-365
6878R1BJ	Xcell 12 Demo; Indigo	4.0 - 12.0	Black	Xcell	Twincam X	flush	1972	260-365

MARKER

Date In: _____ Date Due: _____ Taken By: _____

Skier Information:

Name _____
Last
_____ _____
First Initial

Street: _____

City: _____

State: _____ Zip: _____

Phone: _____ _____ _____

E-mail Address: _____

Local Accommodations: _____ Local Phone: _____

Weight: _____ lbs.
Height: _____ ft. _____ in.
Age: _____

Skier Type: (Check One)

	I	II	III	

AGREEMENT
(To be signed as skis are being picked up)

I understand how this equipment works and have received instructions and satisfactory answers to any questions regarding the use and function of this equipment. If this is new equipment, I acknowledge receipt of the manufacturer's written instructions. If at any time this equipment does not seem to be working properly, I will stop using it immediately and return it for inspection and possible repair or adjustment.
I understand that proper bindings settings depend upon the accuracy of my statements about weight, height, age, skier type on this form. I have confirmed that the binding release/retention settings on this equipment correspond to those stated on this form.
If this equipment is to be used by someone other than me, I certify that I am acting as agent for the user and that I will provide this form and all pertinent warnings and information to the user.
I HAVE CAREFULLY READ, UNDERSTOOD AND AGREED TO THE TERMS OF THE WARNING, ASSUMPTION OF RISK, LIABILITY RELEASE, INDEMNITY AND HOLD HARMLESS AGREEMENT AND AGREEMENT NOT TO SUE ON THE REVERSE SIDE OF THIS DOCUMENT

_____ _____
Signature of Equipment User Date

_____ _____
Signature of Parent/Guardian/Agent Date

Equipment Information:			Charges
Skis: Brand	Model		
Serial No.	Length:	cm	$
Boots: Brand	Model		
Boot Sole Length:	mm		$
Bindings: Brand	Model		$
Other: Brand	Model		$
		Equipment Total:	$
Work Requested:			$
		Labor Total:	$

Estimate: _____	Equipment Total	
	Labor Total	
	Subtotal	
Deposit: _____	Tax	
	TOTAL	$

Special Instructions: _____

System Inspection Record:

Boot Sole Length: _____ mm Skier Code _____

Boot Sole Type: (check one)
- ☐ Alpine (ISO 5355)
- ☐ Alpine Touring (ISO 9523)
- ☐ GRIPWALK (ISO 9523)
- ☐ Other _____

	Pass	Fail
Visual Component Inspection (Test for Boot/Binding Compatibility)		
Test of Toes for Elastic Travel and Recentering		
Test of Heels for Elastic Travel and Return		
Forward Pressure Has Been Properly Set		
Test of Toes for Twist Release		
Test of Heels for Forward Lean Release		

		Left	Right	
Initial Setting		Final Settings		Toe
				Heel

Comments: _____

Special Instructions to Skier: _____

Technician Signature: _____ Date: _____

WARNING, ASSUMPTION OF RISK, LIABILITY RELEASE, INDEMNITY and HOLD HARMLESS AGREEMENT and AGREEMENT NOT TO SUE

(To be signed when bindings are being purchased, and before bindings are mounted.)

PLEASE READ CAREFULLY BEFORE SIGNING

1. I authorize this ski shop to perform such work that is necessary to properly mount, test and/or repair my skis, bindings and/or boots.

2. I understand and agree that skiing and related activities are **HAZARDOUS** and that injuries are common and ordinary occurrences during these activities. **I AGREE TO ASSUME ALL RISKS** of death or of injury to any part of the user's body while using this equipment.

3. For **Alpine Ski Equipment**, I understand that the ski-boot-binding system is designed to release the boot from the ski when certain forces on the system reach preset values, but that the binding **WILL NOT RELEASE OR RETAIN** at all times where release or retention may prevent injury, and that it **CANNOT** prevent all injuries to any part of the user's body. I understand and agree that lower settings on my bindings will increase releasability but also increase the risk of injury due to inadvertent release, that higher settings on my bindings will increase retention but also increase the risk of injury due to non-release, and that injuries due to unwanted release or retention are inherent risks of skiing.

4. I understand and agree that certain risks of skiing may be reduced, but not entirely eliminated, by taking lessons, by following **"YOUR RESPONSIBILITY CODE"** which is posted at most wintersport areas and by using reasonable care and common sense. I further understand that a brake or other runaway prevention system must be used with all skis at all times, including while riding lifts and while carrying on or near a slope, in order to reduce the risk of injury to others.

5. To the fullest extent allowed by law, I hereby agree to forever **RELEASE AND HOLD HARMLESS** this ski shop, and all manufacturers and distributors of this equipment, as well as their owners, agents, employees and affiliated companies, from **ANY AND ALL RESPONSIBILITY OR LEGAL LIABILITY** for any injuries, damages or death to any user of any equipment listed on this form, whether resulting from **NEGLIGENCE** or any other cause. I further agree that **I WILL DEFEND AND INDEMNIFY** them if any claim or action is pursued for any injuries, damages or death relating to skiing, or any related activities involving the use of this equipment.

6. I accept this equipment **"AS IS"** and with **NO WARRANTIES**, express or implied, beyond those stated in this agreement and in the manufacturer's written limited warranty, if any.

7. This document is a **LEGALLY BINDING CONTRACT** which supersedes any other agreements by or between the parties, and which constitutes the **FINAL AND ENTIRE AGREEMENT** regarding this transaction and this equipment. This agreement is intended to provide a **COMPREHENSIVE RELEASE OF ALL LEGAL LIABILITY** which is binding upon and for the benefit of all parties, their heirs, agents and assigns, but it is not intended to assert any claims or defenses that are prohibited by law. If any part of this agreement is held to be invalid or unenforceable, the remainder shall be given full force and effect. The specific legal rights of the parties may vary among different states and provinces.

I HAVE CAREFULLY READ, UNDERSTOOD AND AGREED TO THE TERMS OF THIS WARNING, ASSUMPTION OF RISK, LIABILITY RELEASE, INDEMNITY AND HOLD HARMLESS AGREEMENT AND AGREEMENT NOT TO SUE. I AM AWARE THAT THIS IS A LEGALLY BINDING CONTRACT.

_____ _____
Signature of Equipment User Date

Parent/Guardian/Agent: I verify that I am the parent, guardian or agent of the Equipment User and that I have the authority to enter into this agreement on behalf of the Equipment User and I agree to be bound by the terms of this warning, assumption of risk, liability release, indemnity and hold harmless agreement and agreement not to sue.

_____ _____
Signature of Parent/Guardian/Agent Date

MARKER

MARKER

Date Out:	Time Out:	Date In:	Time In:	Actual Return Date:	Return Time:

Name: Last _____ First _____ Initial _____ Home Phone: (____) _____ _____

Address: Street: _____ Local Accommodations: _____

City: _____ State: _____ Zip: _____ Local Phone: (____) _____ _____

E-mail Address: _____

Your Weight: _____ lbs. Your Height: _____ ft. _____ in. Your Age: _____

Skiing

Skier Type: (Check) ☐ I ☐ II ☐ III ☐

No. of Rental Days	
Daily Rate	$
Other	$
Tax	$
Total Rental	$
Damage Waiver	$

Equipment Damage Waiver: Accepted Initial _____ Declined Initial _____

This damage waiver applies to equipment breakage only; it does not apply to lost, misplaced or stolen equipment. If the damage waiver is accepted, the shop will absorb the cost of repairing any accidental damage. The customer is responsible for the full retail value of any lost, misplaced, stolen or intentionally damaged equipment.

Payment Method (Circle One)
Cash Check Credit Card
Visa MasterCard Diners Club
American Express Other: _____

Inventory No./Code		
Ski	Size	cm
Boot	Sole Length	mm
Binding	Model	
Pole	Size	in.

Skiing

Skier Code: _____ Final Settings: Left / Right — Toe / Heel

Boot Sole Type (check one)

☐ Alpine (ISO 5355)
☐ Alpine Touring (ISO 9523)
☐ GRIPWALK (ISO 9523)
☐ Other _____

Technician's Signature: _____ Date: _____

Credit Card: Expiration Date: _____
No.:
cvv:

Deposit $

Balance $

AGREEMENT

I accept full financial responsibility for the equipment listed on this form. I promise to return it clean and undamaged by the agreed time and date, and if I fail to do so, I will pay for its repair, cleaning or replacement at the full retail rate, as determined by the shop, as well as for the full rental value of any additional days.
I understand how this equipment works and have received instructions and satisfactory answers to any questions. I agree to check this equipment before each use (including the binding anti-friction device); and if at any time this equipment does not seem to be working properly, I will stop using it immediately and return it for inspection and possible repair or adjustment.
I understand that proper bindings settings depend upon the accuracy of my statements about weight, height, age, and skier type on this form. I have confirmed that the binding release/retention settings on this equipment correspond to those stated on this form.
If this equipment is to be used by someone other than me, I certify that I am acting as agent for the user and that I will provide this form and all pertinent warnings and information to the user.

I HAVE CAREFULLY READ, UNDERSTOOD AND AGREED TO THE TERMS OF THE WARNING, ASSUMPTION OF RISK, LIABILITY RELEASE, INDEMNITY AND HOLD HARMLESS AGREEMENT AND AGREEMENT NOT TO SUE ON THE REVERSE SIDE OF THIS DOCUMENT.

Signature of the Equipment User _____ Date _____

Parent/Guardian/Agent: I verify that I am the parent, guardian or agent of the Equipment User and that I have the authority to enter into this agreement on behalf of the Equipment User and I agree to be bound by the terms of the Warning, Assumption of Risk, Liability Release, Indemnity and Hold Harmless Agreement and Agreement Not to Sue on the reverse side of this document.

Signature of Parent/Guardian/Agent (if not an adult user) _____ Date _____

WARNING, ASSUMPTION of RISK, LIABILITY RELEASE, INDEMNITY and HOLD HARMLESS AGREEMENT and AGREEMENT NOT TO SUE
PLEASE READ CAREFULLY BEFORE SIGNING

1. I understand and agree that skiing and related activities are **HAZARDOUS** and that injuries are common and ordinary occurrences during these activities. **I AGREE TO ASSUME ALL RISKS** of death or of injury to any part of the user's body while using this equipment.

2. I understand that the ski-boot-binding system is designed to release the boot from the ski when certain forces on the system reach preset values, but that the binding **WILL NOT RELEASE OR RETAIN** at all times where release or retention may prevent injury, and that it **CANNOT** prevent all injuries to any part of the user's body. I understand and agree that lower settings on my bindings will increase releasability but also increase the risk of injury due to inadvertent release, that higher settings on my bindings will increase retention but also increase the risk of injury due to non-release, and that injuries due to unwanted release or retention are inherent risks of skiing.

3. I understand and agree that certain risks of skiing may be reduced, but not entirely eliminated, by taking lessons, by following **"YOUR RESPONSIBILITY CODE"** which is posted at most wintersport areas and by using reasonable care and common sense. I further understand that a leash or other runaway prevention system must be used with all skis at all times, including while riding lifts and while carrying equipment on or near a slope, in order to reduce the risk of injury to others.

4. To the fullest extent allowed by law, I hereby agree to forever **RELEASE AND HOLD HARMLESS** this ski shop, and all manufacturers and distributors of this equipment, as well as their owners, agents, employees and affiliated companies, from **ANY AND ALL RESPONSIBILITY OR LEGAL LIABILITY** for any injuries, damages or death to any user of any equipment listed on this form, whether resulting from **NEGLIGENCE** or any other cause. I further agree that **I WILL DEFEND AND INDEMNIFY** them if any claim or action is pursued for any injuries, damages or death relating to skiing or any related activities involving the use of this equipment.

5. I accept this equipment **"AS IS"** and with **NO WARRANTIES**, express or implied, beyond those stated in this agreement and in the manufacturer's written limited warranty, if any.

6. This document is a **LEGALLY BINDING CONTRACT** which supersedes any other agreements by or between the parties, and which constitutes the **FINAL AND ENTIRE AGREEMENT** regarding this transaction and this equipment. This agreement is intended to provide a **COMPREHENSIVE RELEASE OF ALL LEGAL LIABILITY** which is binding upon and for the benefit of all parties, their heirs, agents and assigns, but it is not intended to assert any claims or defenses that are prohibited by law. If any part of this agreement is held to be invalid or unenforceable, the remainder shall be given full force and effect. The specific legal rights of the parties may vary among different states and provinces.

I HAVE CAREFULLY READ, UNDERSTOOD AND AGREED TO THE TERMS OF THIS WARNING, ASSUMPTION OF RISK, LIABILITY RELEASE, INDEMNITY AND HOLD HARMLESS AGREEMENT AND AGREEMENT NOT TO SUE.
I AM AWARE THAT THIS IS A LEGALLY BINDING CONTRACT.

Signature of the Equipment User _____ Date _____

Parent/Guardian/Agent: I verify that I am the parent, guardian or agent of the Equipment User and that I have the authority to enter into this agreement on behalf of the Equipment User and I agree to be bound by the terms of this Warning, Assumption of Risk, Liability Release, Indemnity and Hold Harmless Agreement and Agreement Not to Sue.

Signature of Parent/Guardian/Agent _____ Date _____

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Instructions

1. Photocopy the **Post Accident Ski Equipment Inspection Form** on the following page.
2. Recorded information should be printed clearly.
3. All information and test results should be factual and complete.
4. Mistakes should be corrected and initialed.
5. Mark all appropriate spaces. If information is unknown or does not apply, the appropriate space should be so marked.

Skier Information

1. Skier information should be taken from the workshop retail or rental form.
2. Accident and injury information should be taken from the ski patrol accident report (if available).

Equipment Inspection/Tests

1. Refer to the latest Marker Technical Manual for standardized boot sole information.
2. Inspections on equipment should be conducted "as is."
3. Inspections of binding adjustments should be in accordance with recommendations outlined in the latest Marker Technical Manual.
4. System visual inspections should be in accordance with recommendations outlined in the latest Marker Technical Manual.
5. The mechanical testing device should be properly calibrated and operated in the manner recommended by the device manufacturer.
6. **Equipment should be tested to the "In-Use Torque Range".**
7. Mechanical tests should be conducted on the equipment "as is."
8. Test results should be recorded in Newton meters, not merely "pass" or "fail."

Testing Information

1. The "Inspection Technician" should be a current Marker Certified Technician.
2. The report should be reviewed, signed and dated by the shop manager.

POST ACCIDENT SKI EQUIPMENT INSPECTION FORM

Skier Information

Name: **Accident Date:**

Last Service Date: **Record #**

Weight: **Height:** **Age:** **Sex: M F** (circle one)

Skier Type: I II III -I III+ (circle one)

Injury: **Right** or **Left** (circle one)

Ski Area: **State:**

Comments:

Equipment Information

Ski Brand: **Model:** **Length:** cm

Serial #: **Rental #**(if applicable):

Boot Brand: **Model #:**

Boot Sole: mm **Rental #**(if applicable):

Binding Brand: **Binding Model:**

Toe Visual Indicator scale: to

Heel Visual Indicator scale: to

Skier's Personal Equipment:

Ski/Binding: Yes No NA (circle one) **Boots: Yes No NA** (circle one)

Equipment Inspection/Tests

Ski / Binding / Boot	LEFT (check one) Yes	No	NA	RIGHT (check one) Yes	No	NA
Ski Boot Sole Within Industry Standards:	☐	☐		☐	☐	
All Boot Parts Present, Working Correctly:	☐	☐		☐	☐	
AFD OK and Intact:	☐	☐		☐	☐	
Forward Pressure Correct:	☐	☐		☐	☐	
Toe Height Correct:	☐	☐	☐	☐	☐	☐
Toe Wings Set Correctly:	☐	☐	☐	☐	☐	☐
Brake Fully Functional:	☐	☐		☐	☐	
Ski Damaged (Bent, Broken):	☐	☐		☐	☐	
System Passes Visual Inspection:	☐	☐		☐	☐	

Clockwise Mechanical Test Results (twist): _____ _____

Counterclockwise Mechanical Test Results (twist): _____ _____

Forward Lean Mechanical Test Results _____ _____

Visual Indicator Settings: Toe: _____ _____

Heel: _____ _____

Testing Information

Shop Name:

Shop Location:

Telephone #:

Technician:

Date:

Report Reviewed by:

Date:

Testing Device:

Brand:

Model:

Testing Device Last Inspected and Calibrated

Date:

By:

POST ACCIDENT SKI EQUIPMENT INSPECTION FORM

Skier Information

Name: **Accident Date:**

Last Service Date: **Record #**

Weight: **Height:** **Age:** **Sex: M F** (circle one)

Skier Type: I II III -I III+ (circle one)

Injury: **Right** or **Left** (circle one)

Ski Area: **State:**

Comments:

Equipment Information

Ski Brand: **Model:** **Length:** cm

Serial #: **Rental #**(if applicable):

Boot Brand: **Model #:**

Boot Sole: mm **Rental #**(if applicable):

Binding Brand: **Binding Model:**

Toe Visual Indicator scale: to

Heel Visual Indicator scale: to

Skier's Personal Equipment:

Ski/Binding: Yes No NA (circle one) **Boots: Yes No NA** (circle one)

Equipment Inspection/Tests

Ski / Binding / Boot	LEFT (check one) Yes	No	NA	RIGHT (check one) Yes	No	NA
Ski Boot Sole Within Industry Standards:	☐	☐		☐	☐	
All Boot Parts Present, Working Correctly:	☐	☐		☐	☐	
AFD OK and Intact:	☐	☐		☐	☐	
Forward Pressure Correct:	☐	☐		☐	☐	
Toe Height Correct:	☐	☐	☐	☐	☐	☐
Toe Wings Set Correctly:	☐	☐	☐	☐	☐	☐
Brake Fully Functional:	☐	☐		☐	☐	
Ski Damaged (Bent, Broken):	☐	☐		☐	☐	
System Passes Visual Inspection:	☐	☐		☐	☐	

		LEFT	RIGHT
Clockwise Mechanical Test Results (twist):		_____	_____
Counterclockwise Mechanical Test Results (twist):		_____	_____
Forward Lean Mechanical Test Results		_____	_____
Visual Indicator Settings:	Toe:	_____	_____
	Heel:	_____	_____

Testing Information

Shop Name:

Shop Location:

Telephone #:

Technician:

Date:

Report Reviewed by:

Date:

Testing Device:

Brand:

Model:

Testing Device Last Inspected and Calibrated

Date:

By:

SPECIAL WARNING AND AGREEMENT TO ASSUME INCREASED RISK, DEFEND, INDEMNIFY AND HOLD HARMLESS, AND RELEASE OF LEGAL LIABILITY REGARDING NON-RECOMMENDED RELEASE RETENTION SETTINGS

Skier Information

Name: _____ **Age:** ____

Home Address: _____

City: _____ **State:** ____ **Zip:** _____

Phone: ( ) _____

Equipment Information

Name of Ski Shop _____

Ski Shop Recommended Release Setting: _____

Skier's Requested Release Setting: _____

Skier's Reason for Requested Setting: _____

_____

_____

Skier Agreement

I hereby acknowledge that I have requested this shop to make release retention settings on my ski bindings that are not recommended by the manufacturer of the bindings or by any safety or standards organization.

I have been advised by this shop, AND I AGREE, that my use of such settings is NOT RECOMMENDED by this shop or by the manufacturer of the ski bindings, and that MY USE OF NON-RECOMMENDED SETTINGS IS LIKELY TO INCREASE THE RISK OF MY BEING INJURED. I understand and agree that lower settings on my bindings will increase the risk of injury due to inadvertent release, and that higher settings on my bindings will increase the risk of injury due to non-release of the ski-binding-boot system. I AGREE TO ASSUME ALL RISKS OF INJURIES OR DEATH that may result from my use of the settings I have requested.

As a condition of having the shop set the bindings to a non-recommended setting, I also agree to DEFEND, INDEMNIFY AND HOLD HARMLESS, as well as to RELEASE FROM ANY LIABILITY, this shop, as well as all manufacturers and distributors of this ski equipment, and all of their agents and employees, for any injuries, damages or legal obligations that may arise from any person's use of this equipment. If this equipment is used by someone other than me, I certify that I am acting on my behalf and as agent for the user and that I will provide this form and all warnings and information to the user.

This agreement is intended to provide a COMPREHENSIVE RELEASE OF ALL LEGAL LIABILITY which is binding upon and for the benefit of all parties, their heirs, agents and assigns, but it is not intended to assert any claims or defenses that are prohibited by law. If any part of this agreement is held to be invalid or unenforceable, the remainder shall be given full force and effect. The specific legal rights of the parties may vary among different states and provinces.

READ AND UNDERSTAND THIS CONTRACT BEFORE SIGNING IT!

Skier's Signature: _____ **Date:** _____

Parent or Guardian's Signature for Minor: _____ **Date:** _____

Shop Manager's Signature: _____ **Date:** _____

Note: Use this form in addition to the standard Retail or Rental Workshop Form.

CHOOSE YOUR SKIER TYPE

Selecting Your Skier Type is Your Responsibility!

Your skier type, height, weight, age and ski boot sole length are used by the shop technician to determine the release/retention settings of your bindings. It is important to provide accurate information. Inaccurate information may increase your risk of injury.

Consult the following descriptions to select your Skier Type.

TYPE I
Ski Cautiously

- Prefer slower speeds.
- Prefer cautious skiing on smooth slopes of gentle to moderate pitch.
- Prefer lower than average release/retention settings.
- Prefer an increased risk of inadvertent binding release in order to gain increased releasability in a fall.
- Entry-level skiers uncertain of their classification.

TYPE II
Ski Moderately

- Prefer a variety of speeds.
- Prefer to ski on varied terrain.
- Skiers not classified as Type I or Type III.
- Prefer average release/retention settings appropriate for most recreational skiing.

TYPE III
Ski Aggressively

- Prefer faster speeds.
- Prefer fast and aggressive skiing on slopes of moderate to steep pitch.
- Prefer higher than average release/retention settings.
- Prefer decreased releaseability in a fall in order to gain decreased risk of inadvertent binding release.

If, from experience, you have been dissatisfied with the release/retention settings that result from your normal skier classification, or if you have some other special concern, you may wish to select lower or higher skier classifications **((Type -I)** or **(Type III+))** or select skier type designations that are different for twist and forward lean. Mention your dissatisfaction to your binding technician.

(Type -I) is for skiers who desire lower release/retention settings than Type I and will further increase the risk of inadvertent binding release in order to gain increased releasability in a fall.

(Type III+) is for skiers who desire higher release/retention settings than Type III and will further decrease releasability in a fall in order to gain decreased risk of inadvertent binding release.

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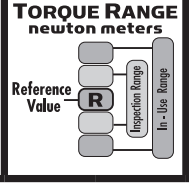
2018/2019 ADJUSTMENT CHART

MANDATORY RELEASE VALUES					EXAMPLES FOR INITIAL INDICATOR VALUE (pre-setting), DEPENDING ON BOOT SOLE LENGTH [mm]							
SKIER'S PARAMETERS			INSPECTION PARAMETERS									
WEIGHT [lbs] [kg]	HEIGHT [ft´ in˝] [cm]	SKIER CODE	TWIST [Nm]	FWD LEAN [Nm]	≤230	231-250	251-270	271-290	291-310	311-330	331-350	≥351
			5*	18*								
22-29 10-13		A	8	29	0.75	0.75	0.75					
30-38 14-17		B	11	40	1.00	0.75	0.75	0.75				
39-47 18-21		C	14	52	1.50	1.25	1.25	1.00				
48-56 22-25		D	17	64	2.00	1.75	1.50	1.50	1.25			
57-66 26-30		E	20	75	2.50	2.25	2.00	1.75	1.50	1.50		
67-78 31-35		F	23	87	3.00	2.75	2.50	2.25	2.00	1.75	1.75	
79-91 36-41		G	27	102		3.50	3.00	2.75	2.50	2.25	2.00	
92-107 42-48	≤4´10˝ ≤148	H	31	120			3.50	3.00	3.00	2.75	2.50	
108-125 49-57	4´11˝-5´1˝ 149-157	I	37	141			4.50	4.00	3.50	3.50	3.00	
126-147 58-66	5´2˝-5´5˝ 158-166	J	43	165			5.50	5.00	4.50	4.00	3.50	3.00
148-174 67-78	5´6˝-5´10˝ 167-178	K	50	194			6.50	6.00	5.50	5.00	4.50	4.00
175-209 79-94	5´11˝-6´4˝ 179-194	L	58	229			7.50	7.00	6.50	6.00	5.50	5.00
≥210 ≥95	≥6´5˝ ≥195	M	67	271				8.50	8.00	7.00	6.50	6.00
		N	78	320				10.00	9.50	8.50	8.00	7.50
		O	91	380				11.50	11.00	10.00	9.50	9.00
		P	105	452						12.00	11.00	10.50
			121**	520**								
			137**	588**								

NOTE 1: For skiers 29 lbs and under, no further correction is appropriate.

NOTE 2: For Skiers 38 lbs and under, Skier Type -I is inappropriate.

* LOWEST TOLERANCE LIMIT
** HIGHEST TOLERANCE LIMIT



The initial indicator values found in this table are only the starting point in the binding setting process. The initial values may need to be modified in order to achieve the correct measured release values.

Chart Based on **"Skier Type I"**

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#rulethemountain

LET NOTHING STAND BETWEEN YOU AND YOUR PEAK

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Marker delivers its lightest-ever touring binding and re-defines the ratio of weight to performance.
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