



TECHNICAL MANUAL

BINDINGS

2017/2018

The Bindings That Changed Everything



markerusa.com

TEN YEARS OF THE ROYAL FAMILY

Jester 16 ID



Griffon 13 ID



Squire 11 ID



#MarkerRoyal10

Skier: Sammy Carlson Photo: Darcy Bacha

Welcome Marker Authorized Retailer and Shop Technicians:

In 2017 we are celebrating 10 years of our Royal Family collection, the bindings that changed the industry forever. 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:

- 2017 / 2018 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 **www.MDVpro.com** so you can ski on the same great MARKER products 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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112 Etna Rd
Lebanon, NH 03766

www.markerusa.com
www.markercertification.com
www.grip-walk.com



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MARKER CERTIFICATION TEST

see → www.markercertification.com

GripWalk® CERTIFIED RETAILER

see → www.grip-walk.com

1.1 AUTHORIZED RETAILER PROGRAM

The MARKER Authorized Retailer Program described in this Section 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 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. The 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 the following.

- 1- Read the 2017/2018 MARKER Technical Manual and view Technical Videos online at www.markercertification.com.
- 2- Gain a working knowledge of proper procedures for selecting, installing, and servicing MARKER products.
- 3- Successfully complete the 2017/2018 MARKER Certification Test at www.markercertification.com

For additional information and training on GripWalk® visit: www.grip-walk.com

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.

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

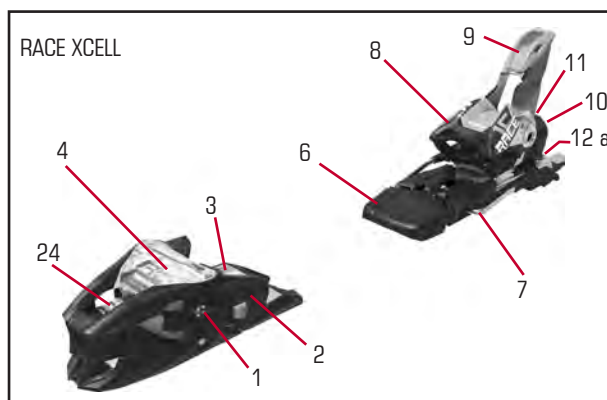
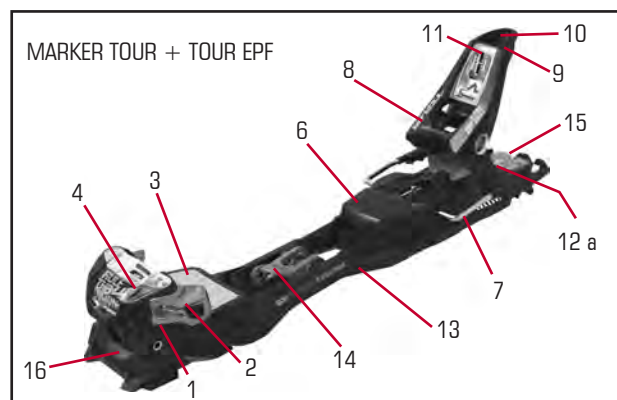
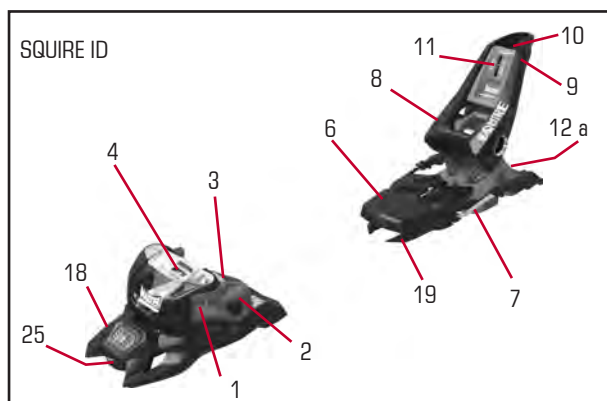
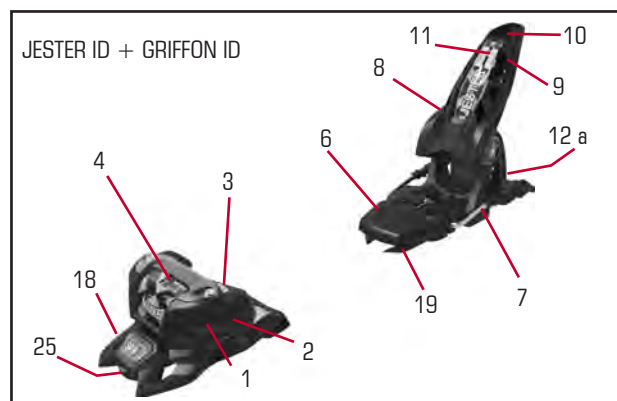
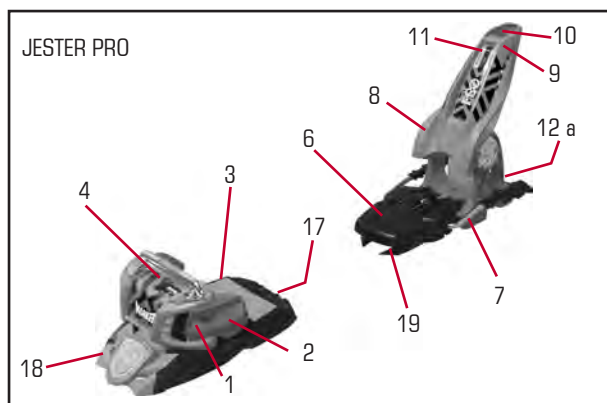
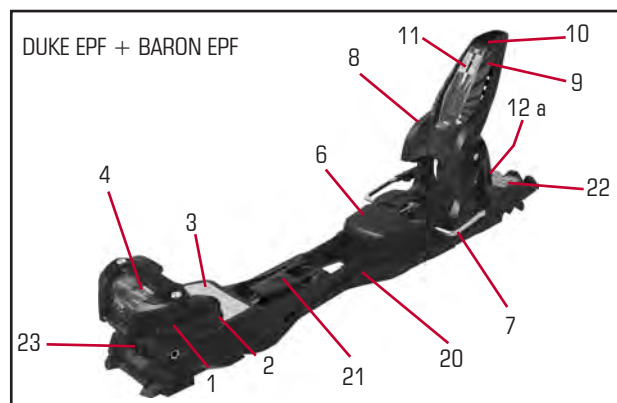
2017/2018 Marker Indemnified Retail Binding Line

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

2017/2018 Marker Indemnified Rental/Demo Binding Line

<u>Marker Rental Demo</u>	<u>Marker Non Current Rental Demo</u>	<u>Marker/K2 Non Current Rental Demo</u>	<u>Marker/Blizzard Non Current Rental Demo</u>
Kingpin 10 Demo	10.0 Fastrak III TP	MXCELL 12.0 TCx Q	IQ Xcell 14 Demo
Kingpin 13 Demo	M4.5 Fastrak 2	MXC 12.0 TCx Q	IQ Xcell 12 Demo
Jester Demo	M7.0 Fastrak 2	ERC 11.0 TC Q	IQ TCX 12 Demo
Griffon Demo	M7.0 RTL	M3 10.0 TC Q	IQ TCX 12 Demo W
Squire Demo	M4.5 RTL	ER3 10.0 TC Q	IQ TP 10 CM2 Viva NK
FDT TP12 TPX	10.0 Fastrak III	QuikClik M3 10	Power 14 TCX
FDT TP11	12.0 Glide Control	QuikClik M2 10	Power 12 TCX
FDT TP10	11.0 Glide Control	QuikClik ERP 10	Power 12 TCX Viva
FDT 7.0	M10.0 Fastrak 2	Fastrak3 10 TP	IQ TP 12 CM2 NK
FDT 4.5	M11.0 TC Speed Point	ER3 10 TC Q	IQ TP 12 CM2 Viva NK
7.0 RTL	M9.0 Speed Point	MXC 12 TC Q	IQ TP 10 CM2
4.5 RTL	M12.0 TC Speed Point	MOD 12.0 MXC TC Q Demo	IQ TP 10 CM2 Viva
	Comp 16.0 IBC	M3 10.0 Q	IQ TP 12 CM2
<u>Marker/Völkl Rental Demo</u>	M12.0 IBC	ER3 10.0 Q	IQ TP 12 CM2 Viva
rMotion2 16 GW	M11.0 IBC	MOD 12.0 TC ERC DEMO	IQ Power 12
rMotion2 12 GW	M7.0 Speed Tune	MOD 10.0 M3 Q Demo	IQ Power 11
iPT WR XL 14 FR GW	M4.5 Speed Tune	MOD 11.0 TC ERC Demo	IQ Power 11 Viva
iPT WR XL 12 FR GW	Titanium 12.0 Piston Control IBX Demo	MOD 10.0 M3 D	IQ-LT 10 Viva CM2
iPT WR XL 12 TCX GW	Titanium 12.0 Speed Point	MOD 10.0 ER3 D	IQ Power 14
iPT WR XL 11 TCX GW Lady	M11.0 Titanium Speed Point	MOD 12.0 MX D	IQ TC 12 CMR
VMotion 12 GW	Comp 14.0 Piston Control IBX Demo	MOD 12.0 MX Q Demo	IQ TC 11 CMR
VMotion 10 GW		MOD 11.0 TC ERS D	IQ TC 11 Viva CMR
VMotion 10 GW Lady	<u>Marker/Völkl Non Current Rental Demo</u>	MOD 10.0 ERP Q	IQ-LT 10 CMR
4Motion XL 12.0 TCX	iPT WR XL 14.0 FR D	MOD 11.0 TC M1 D	IQ LC 10 Viva CMR
4Motion XL 11.0 TCX Lady	iPT WR XL 12.0 FR D	MOD 9.0 IBC	IQ Max 14 TT CM 90
7.0 VMotion Jr. R	iPT WR XL 12.0 TCX D	MOD 12.0 Piston M1 D	IQ Max 12 TT CM 90
7.0 VMotion Jr. R Lady	iPT WR XL 11.0 TCX D	MOD 12.0 M1 D	IQ Max 12 TT CM 90 Viva
4.5 VMotion Jr.	rMotion2 16.0 D	Piston MOD M1 11.0 TC Demo	IQ Max 12 TT CM 110
4.5 VMotion Jr. Lady	rMotion2 12.0 D	MOD M1 11.0 TC Demo	IQ-MAX 14 TT CM 110
	4Motion XL 12.0 TCX D	MOD M1 11.0 Ti Demo	IQ-MAX 12 TT CM 110
<u>Marker/K2 Rental Demo</u>	xMotion 12.0 TCx D	MOD 11.0 TC IBC	IQ-TP 14 CM
MXCELL 14 TCx D	xMotion 11.0 TCX D	MOD 11.0 IBC	IQ-TP 12 CM
MXCELL 12 TCx D	4Motion 11.0 TC D	MOD 10.0 IBC	IQ-TP 11 CM
MXC 12 TCx Quikclik	4Motion 10.0 D	MOD 14.0 Piston IBX Demo	IQ TP 11 Viva CM
MXC 12 TCx light Quikclik	3Motion TP Light 10.0 D	MOD 12.0 Piston IBX Demo	IQ-TP 14 CMR
M3 12 TCx light Quikclik	3Motion Junior 4.5	MOD 12.0 IBX D	IQ-TP 12 CMR
M3 11 TCx light Quikclik	3Motion Junior 7.0	MOD 11.0 Ti IBX Demo	IQ-TP 11 CMR
ERC 11 TCx light Quikclik	eMotion 11.0 TC D		IQ TP 11 Viva CMR
ER3 10 TCx light Quikclik	iPT Wide Ride 14.0 D	<u>Marker/Nordica Non Current Rental Demo</u>	IQ-LT 10 CM
M3 10 Compact Quikclik	iPT Wide Ride 12.0 D	N POWER X EVO	IQ-LT 10 Viva CM
ER3 10 Compact Quikclik	rMotion 14.0 D V-Werks	N PRO X EVO	IQ-LT 10 Viva CMR
M2 10 Quikclik	rMotion 16.0 D	N POWER EVO	IQ-SP 11 CM
ERP 10 Quikclik	rMotion 12.0 D	N PRO EVO	IQ-SP 11 Viva CM
Free 10 Compact Quikclik	xMotion 12.0 TC D	N EXP EVO	IQ 5.14 TT Centermove
	sMotion 12.0 TC D	N SPORT EVO	IQ 5.14 TT Centermove 110
<u>Marker/Nordica Rental Demo</u>	Attiva iPT Wide Ride 12.0 D	N SPORT X CT	IQ-HP 14 TT CM
TP LIGHT 11 FDT	3Motion TL 10.0 D	N PRO 25 Xbi CT	IQ-HP 12 TT CM
TP COMPACT 10 FDT	3Motion TL 10.0 Attiva D	N EXP 25 Xbi CT	IQ 4.12 TT Centermove
	3Motion 10.0 Attiva D	N PRO XBI	
<u>Marker/Blizzard Rental Demo</u>	iPT SpeedRide 12.0 TS D	N 3-12 XBi	<u>Marker/Kästle Non Current</u>
Xcell 14 Demo	iPT SpeedRide 11.0 TC D	N SPORT XBI	KTI K14
Xcell 12 Demo	Motion iPT R 14.0 D	N POWER XBI	KTI K12
TCX 12 Demo	Motion iPT 12.0 D	N EXP XBI	CTI K14
TCX 12 Demo W	Motion iPT 11.0 TC D	N SPORT XBI CT	CTI K12
TP 11 Demo	3Motion 11.0 D Attiva		CTI K11 Glide Control
TP 10 Demo	3Motion 10.0 D		
TP 10 Demo W	Motion TT 10.0 D		
IQ TP 10	Motion TT 10.0 D Attiva		
IQ TP 10 W	Motion iPT 12.0 TS Piston D		
TLT 10 DEMO	Motion iPT 14.0 Piston Demo		
TLT 10 DEMO W	Motion iPT 12.0 Piston Demo		
IQ 4.5	Motion iPT 11.0 TC Demo		
IQ 7.0	Motion TT 11.0 TC		
	Motion Jr. 7.0		
<u>Marker/Bogner Retail & Rental Demo</u>	Motion Jr. 4.5		
11.0 TC Glide Control D Bogner			
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 aid
- 16 Tour AFD adjustment screw

JESTER PRO

- 17 AFD adjustment screw
- 18 Front plate
- 19 Heel plate

DUKE EPF + BARON EPF

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

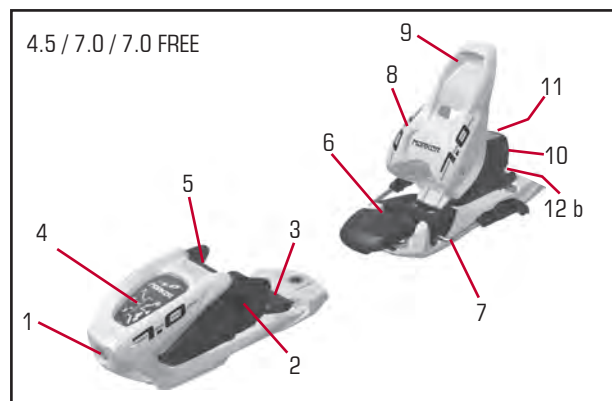
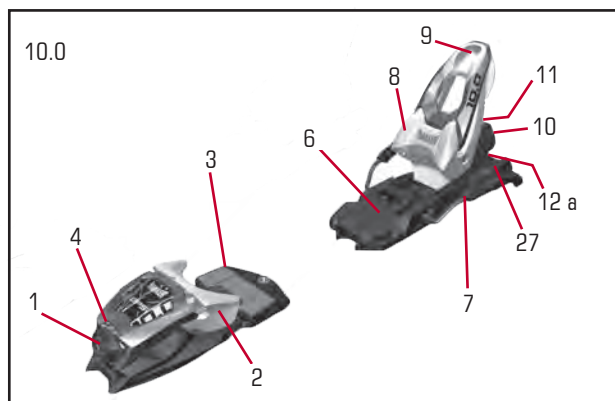
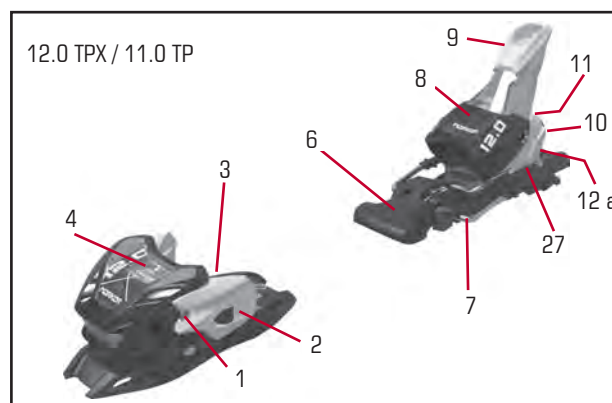
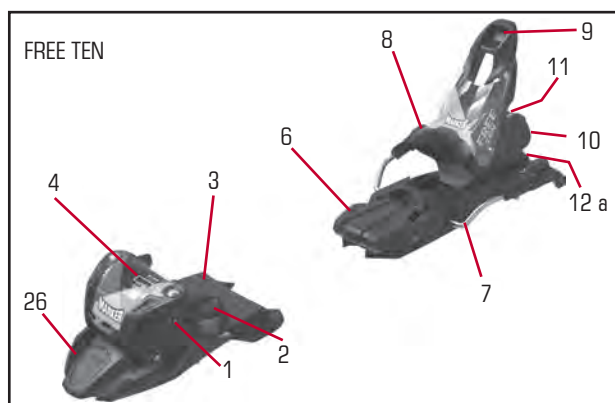
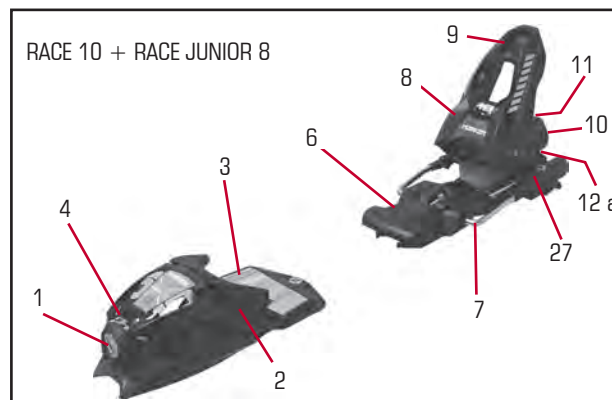
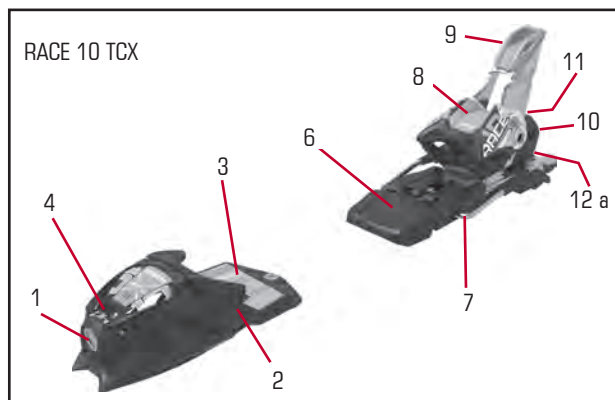
RACE XCELL

- 24 Xcell shock absorber

JESTER ID + GRIFFON ID + SQUIRE ID

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

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

- 26 front plate

EPS

- 27 heel plate

KINGPIN & KINGPIN DEMO:

see → 4.1 on page 20

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:

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

All new MARKER bindings are in accordance with the requirement of the international norm (ISO) 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 if the surfaces which stay in direct contact with the ski boot are deteriorated or damaged.
- Repair or replace the deteriorated or damaged parts with new parts.
- Check if the gliding AFD is bent or damaged.
- Check if the ski brake is broken or bent, and check function.

REPLACING SKI BRAKES → 13.4 - 13.7
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.

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 section.

- 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 accommodate 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 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 boots are manufactured in accordance with the ISO 5355 standard specification for "Alpine" ski boot dimensions, while most 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 the binding, according to ISO 9462 and ISO 13992.

STANDARD SKI BOOT NORMS:

ISO 5355 Standard Alpine Boot: (2.4 - 1 and 2.4 - 2)

Designed for use with a pair of skis and a standard alpine boot compatible binding.

Not to be used with a monoski, snowboard or ski board.

ISO 9523 Standard Alpine Touring Boot: (2.4 - 3)

Designed for use with a pair of skis and a standard touring boot compatible binding, and not a standard alpine boot only compatible binding.

Not to be used with a monoski, snowboard or ski board.

CHECK THE BOOTS FOR THE FOLLOWING:

- If the boot is a Standard Alpine 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. For "Standard Alpine Boot" the AFD 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 form and inform the customer.

Junior/Child Boot Sole Alpine Norm

- Junior/Children norm boot soles must never be used with adult boot sole norm bindings.
- The binding models Race Junior 8 and Free 8 are designed for use only with Junior norm boots.
- MARKER's 7.0 and 4.5 will accommodate both adult and junior boots.



CAUTION !

Any performance or fit modifications of a boot could affect the function between the boot and binding. The boots should be inspected to verify that they meet the Standard Alpine Boot or Standard Alpine Touring Standards. Mechanical Inspection is recommended after any such modifications.



CAUTION !

Only ski boots which are in accordance with a valid norm can be used in combination with a MARKER binding that is compatible with that Standard Ski Boot Norm.



IMPORTANT !

It has become increasingly more important to identify the boot sole type that will be used in the specific boot to binding system and their compatibility. The Boot Sole Type used in the boot to binding system should be noted on the workshop form.

RECORD KEEPING → 15.3



CAUTION !

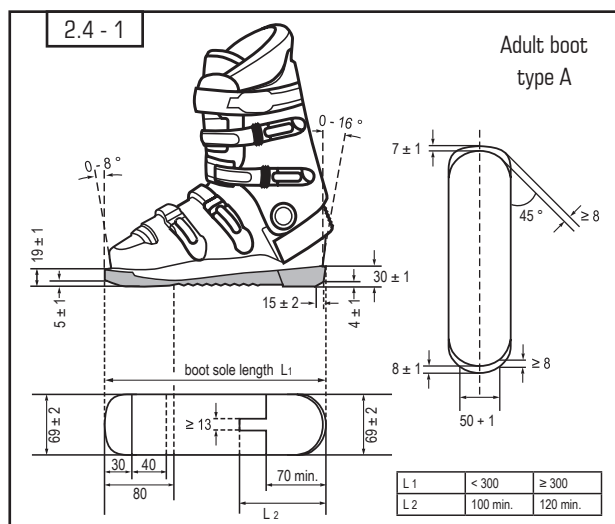
MARKER KINGPIN 10, KINGPIN 10 Demo and KINGPIN 13 ski bindings are compatible with ski boots in accordance with ISO 9523 with tech inserts to the Dynafit specification of 29.09.2009.

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.

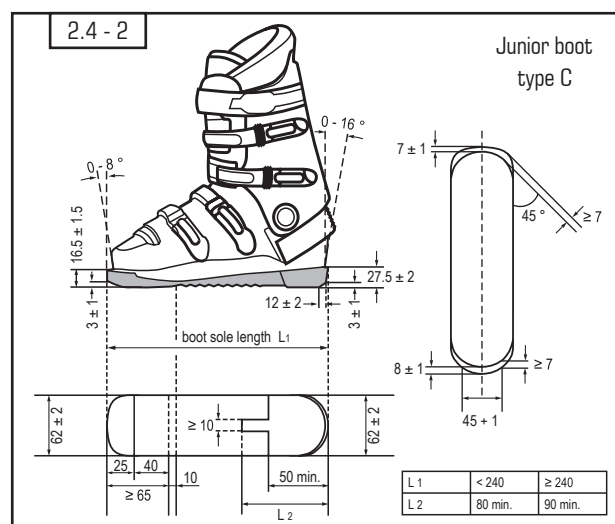


NOTE:

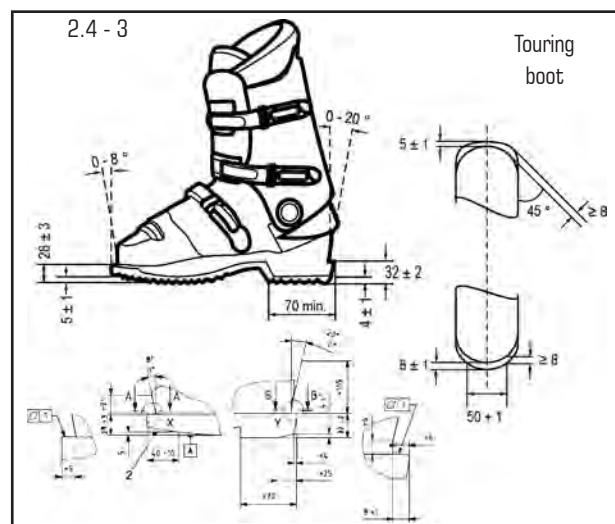
K2, Dalbello, Tecnica, Nordica boots that have Alpine Boot Sole dimensions and tech inserts are compatible with all Marker bindings.



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 GripWalk® a boot – binding system which provides increased comfort and better grip when walking.

Marker recommends all Marker Authorized Dealers to visit www.grip-walk.com to receive specific GripWalk® information, training and certify your shop as an "International GripWalk® Certified Dealer". Once completing the certification your shop will be listed as a GripWalk® Certified Dealer on the international website www.grip-walk.com.

The partners for the GripWalk® system are Dalbello, K2, Nordica, Tecnica and Fischer. 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®" on the toe piece adjacent to the AFD.
- 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 (61 - 117mm)

W012J1T (95 - 150 mm)

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, Free 8 & 10.0 EPS



W006M1T (95 - 150 mm)

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



W010G1T (61 - 117 mm)

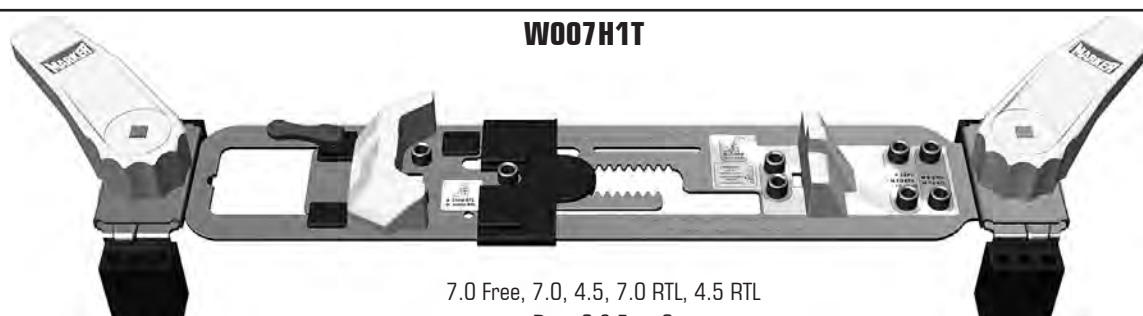
W011J1T (95 - 150 mm)

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 (61 - 117 mm)

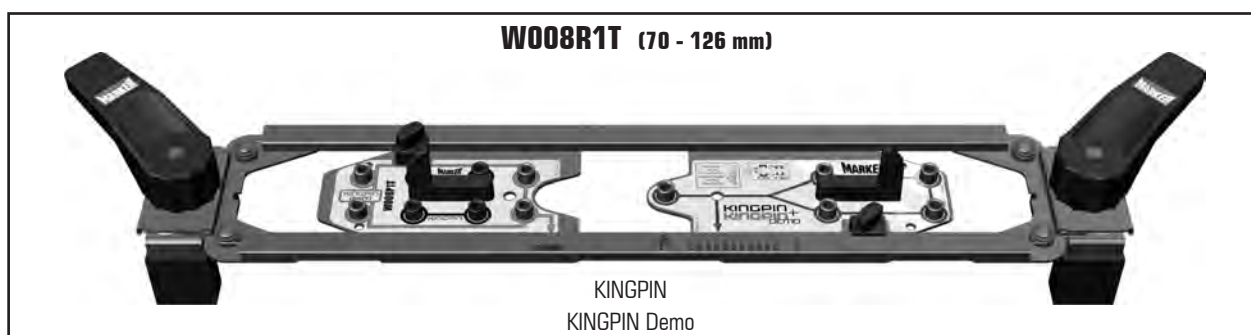
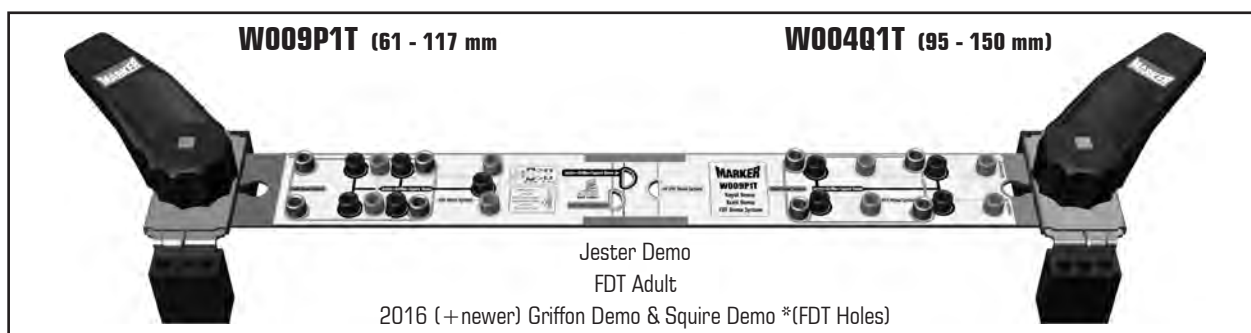
Fastrak III Fastrak II
Junior Fastrak II
FDT Jr



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:

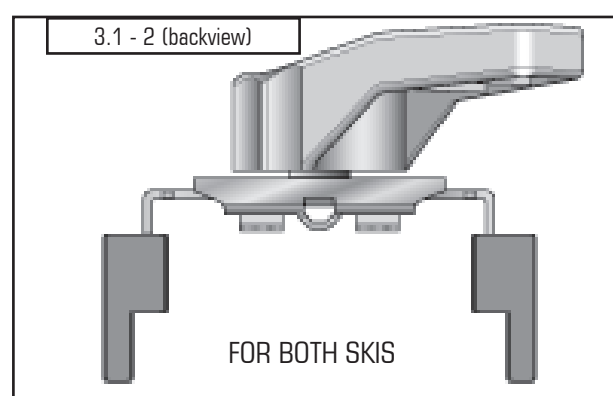
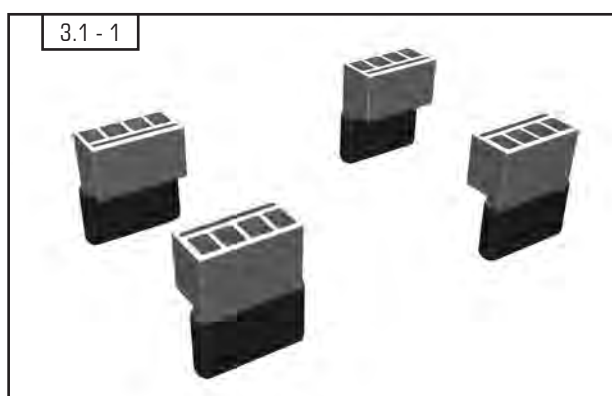


REMARK:

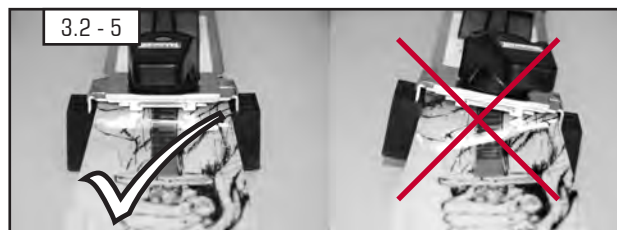
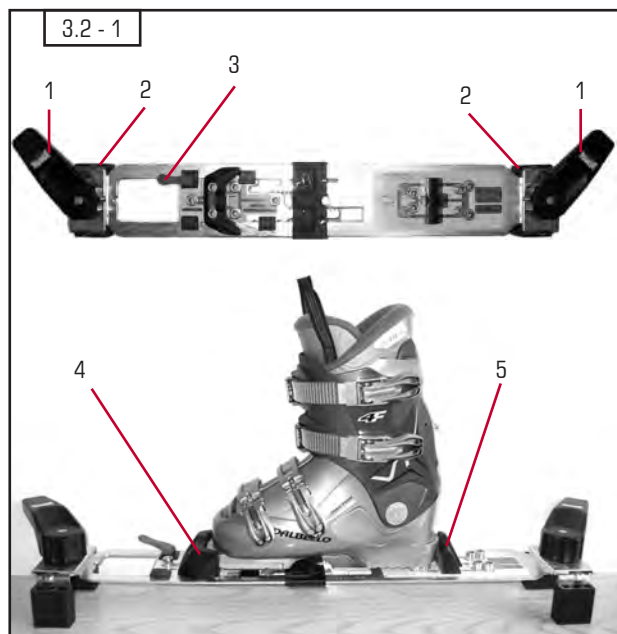
For wide skis up to 148 mm MARKER offers an adapter kit for installation tools. (3.1 - 1)
(mounting tool adapter wide skis 148 mm; Art. Nr.: W001J1A)

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).



3.2 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)

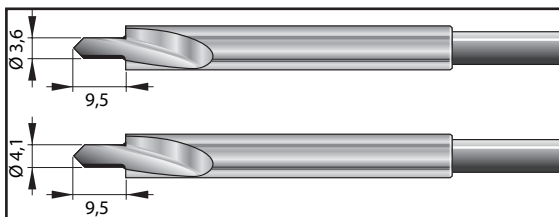


IMPORTANT !

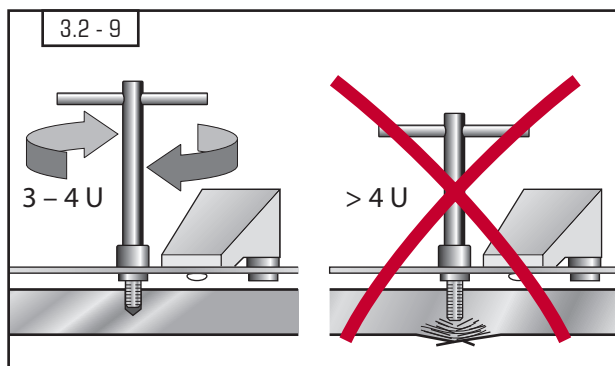
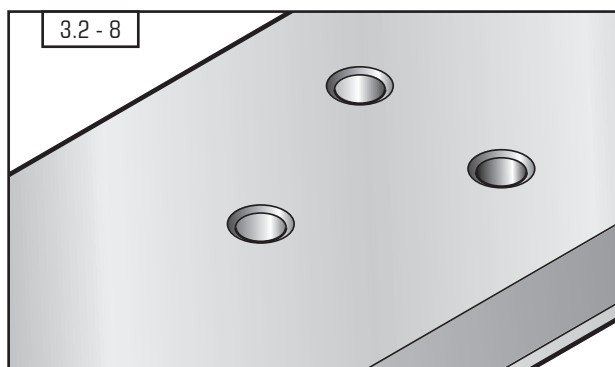
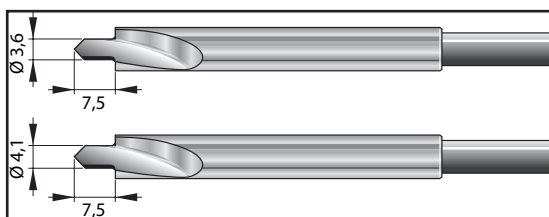
Before drilling, check that the installation tool is flush and centered on the ski. (3.2 - 5) Take particular care with skis that have angled sidewalls, extreme sidecuts or external plates.

3.2 TOOLS AND THEIR APPLICATION:

3.2 - 7 Drill bits for adult bindings



3.2 - 7 Drill bits for child & junior bindings 4.5 / 7.0



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)

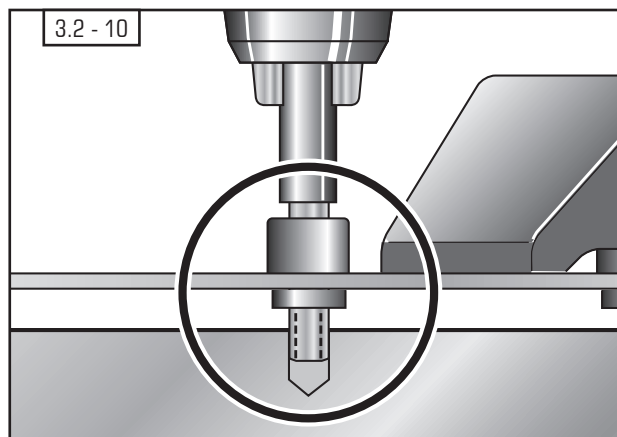


IMPORTANT !

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:



ATTACHMENT SCREWS:



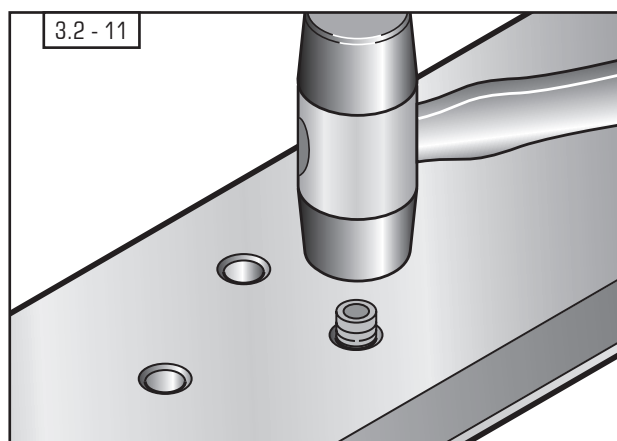
IMPORTANT !

Use only original MARKER attachment screws.

- Only use Pozidriv® 3 screwdrivers and powerbits.
- 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 supplies or to check for the correct screws use the SCREW CHARTS → 16.1



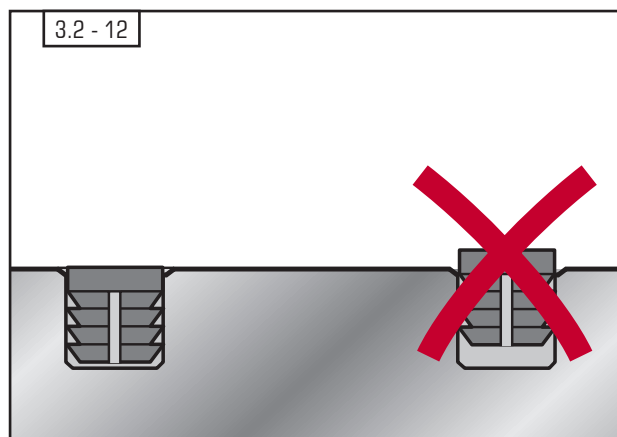
STRIPPED SCREWS:

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)

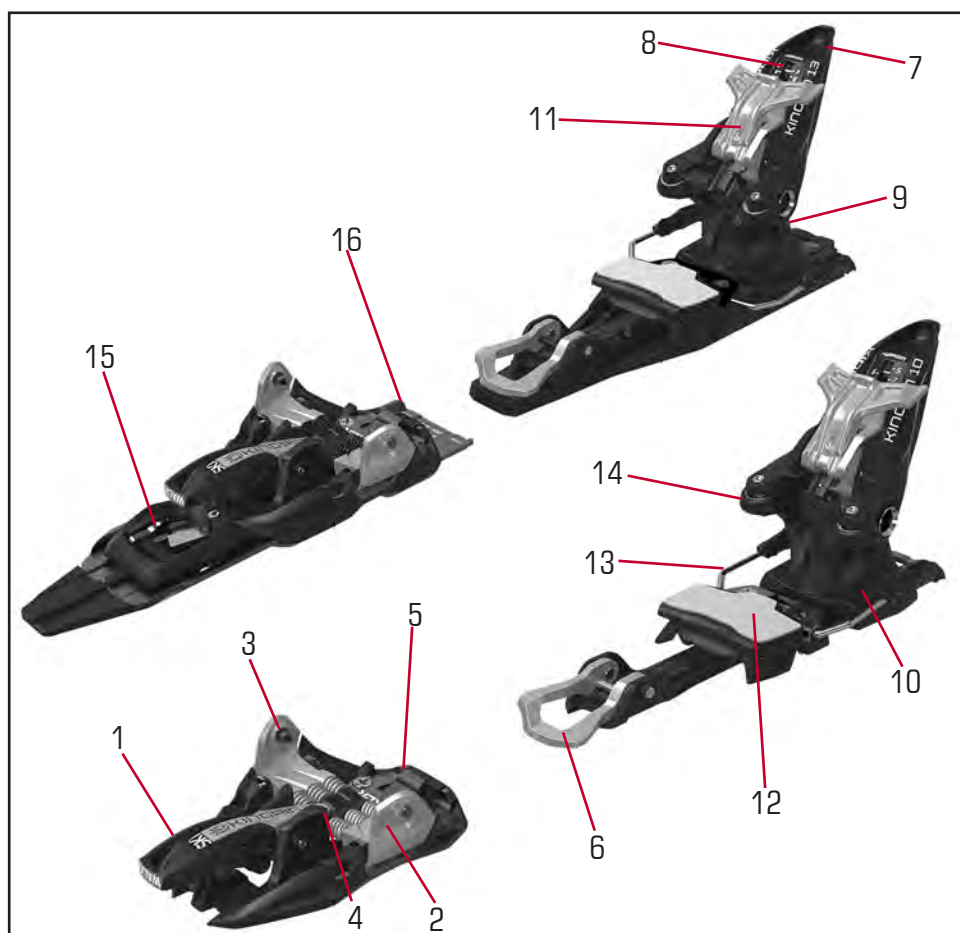
- Re - install the binding.



CAUTION !

Insert the binding screws and tighten only by hand !

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 10, KINGPIN 10 Demo and KINGPIN 13 ski bindings are compatible with ski boots in accordance with 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 (→ **12.1 - 12.3**) should not be used with Marker Kingpin bindings !



NOTE:

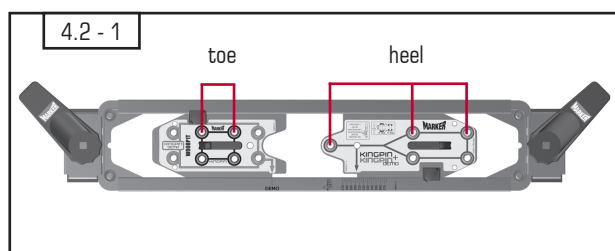
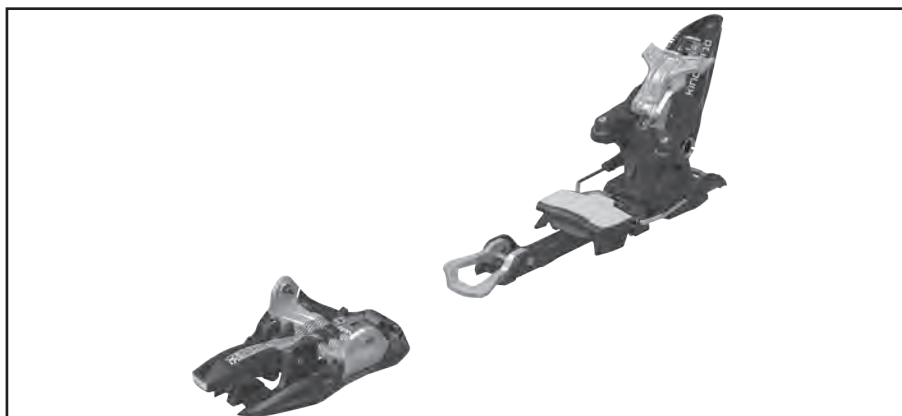
K2, Dalbello, Tecnica, Nordica boots that have Alpine Boot Sole dimensions and tech inserts are compatible with all Marker Kingpin bindings.



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



DRILLING THE ATTACHMENT HOLES:

IMPORTANT !



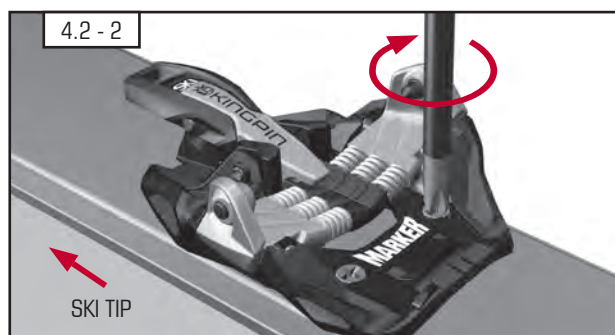
sole length	tool length settings
255 - 269 mm	270 mm
376 - 390 mm	375 mm

- Place the MARKER KINGPIN installation tool W008R1T (or installation tool W008P1T + sticker 836769 A) 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 drill bushings.
- Remove the installation tool from the ski.

REMARK:

See DRILLING INSTRUCTIONS → 3.2

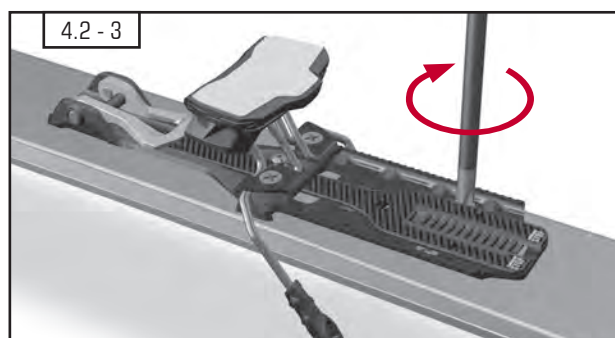


INSTALLING THE TOE:

- Install the toe with the pre - installed screws in the front holes.
- Tighten the screws lightly, then firmly. (4.2 - 2)

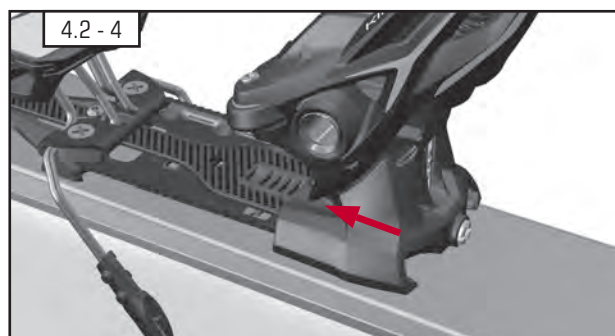
INSTALLING THE HEEL PLATE:

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

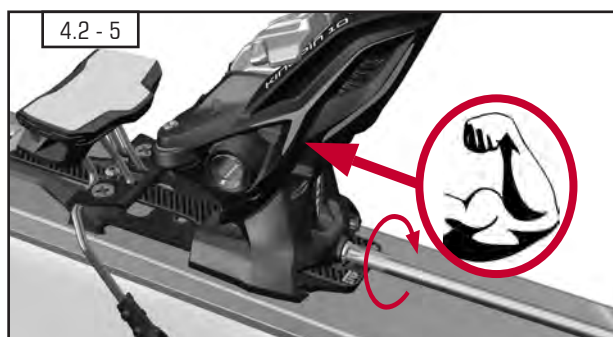


INSTALLING THE HEEL:

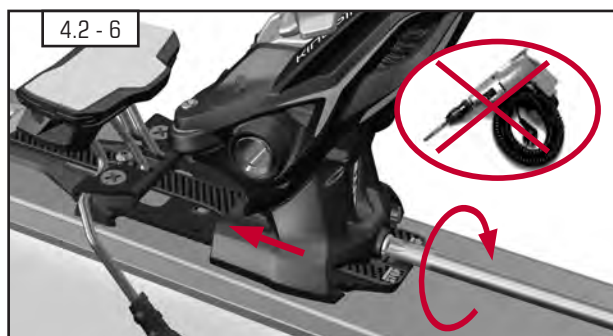
- Slide the heel from the rear of the plate forward until it stops. (4.2 - 4)



4.2 INSTALLATION OF MARKER KINGPIN BINDINGS



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

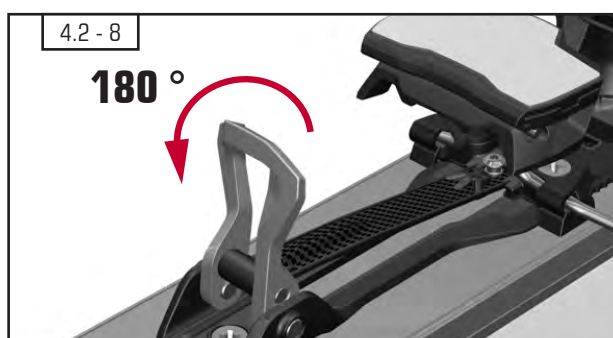


CAUTION !

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



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

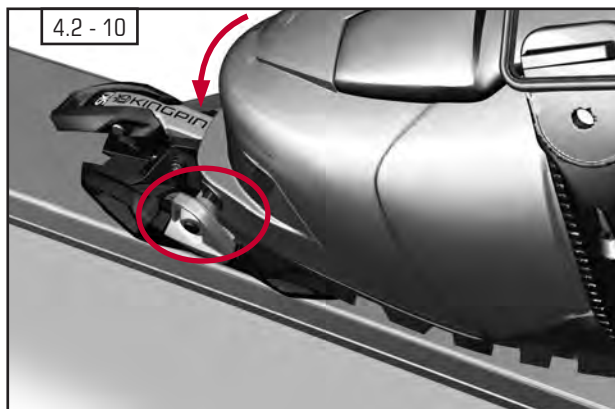


- Switch the change-over lever 180° forward. (4.2 - 8)

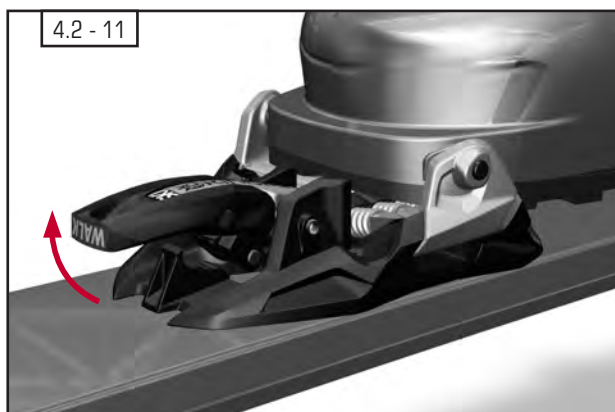


- Open the heel. (4.2 - 9)

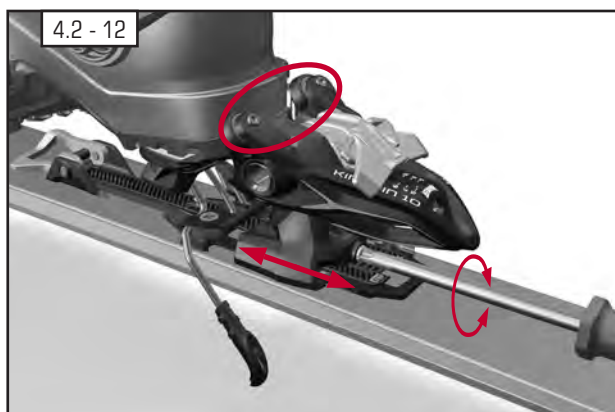
4.2 INSTALLATION OF MARKER KINGPIN BINDINGS



- 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)

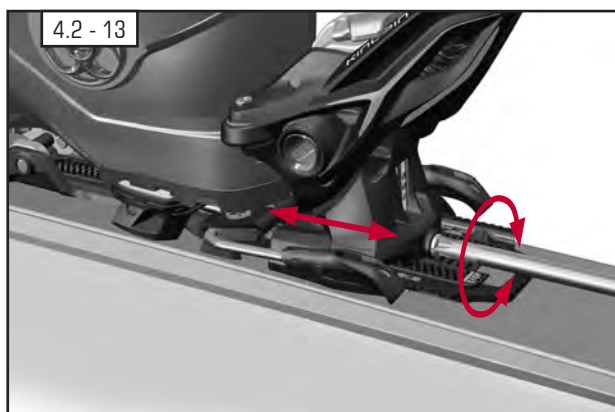


- The pins must be locked fully into position in the insert, the toe opening lever has to snap to the "Ski" position. (4.2 - 11)



POSITIONING THE HEEL:

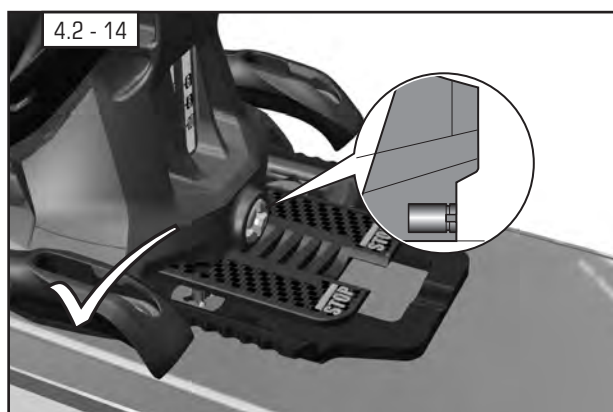
- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right. (4.2 - 12)



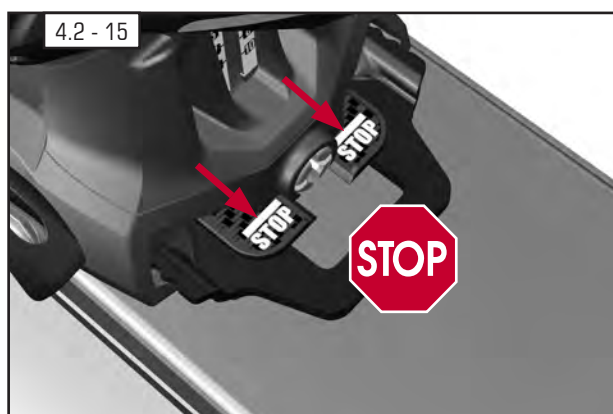
CHECK FORWARD PRESSURE:

- 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)

4.2 INSTALLATION OF MARKER KINGPIN BINDINGS



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



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)



CAUTION !

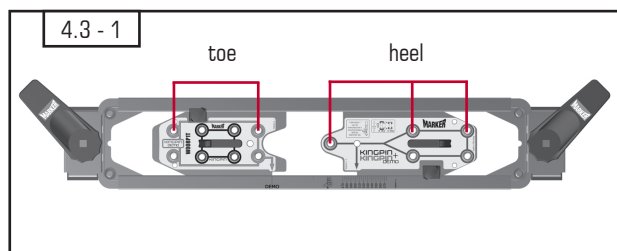
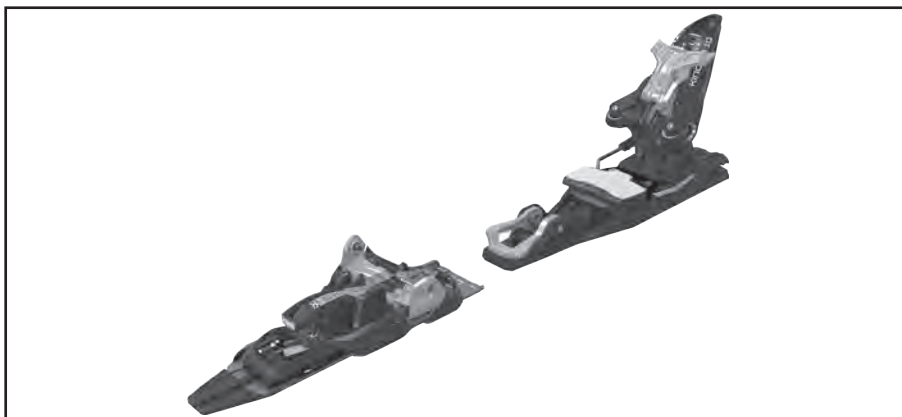
After altering the binding, visually inspect the spacing between the boot sole and the change-over lever: the sole may not touch the lever after stepping in !
(4.2 - 16 + 4.2 - 17)



INFORMATION FOR BINDING ADJUSTMENT:

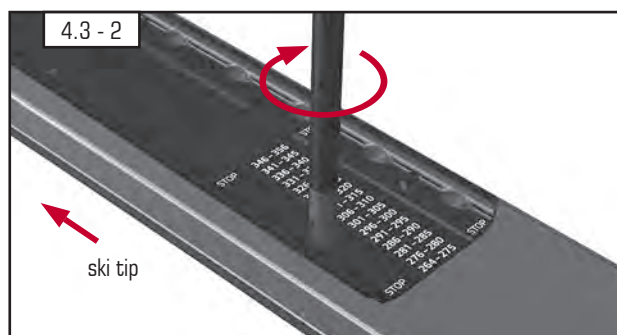
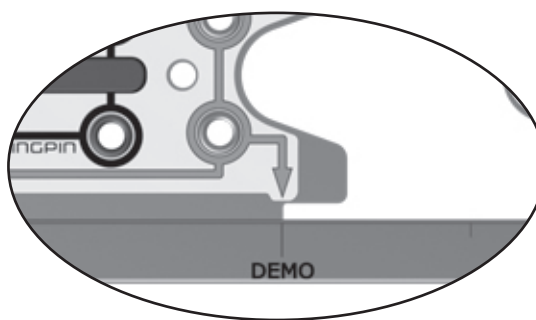
see chapter → 4.4

4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS



DRILLING THE ATTACHMENT HOLES:

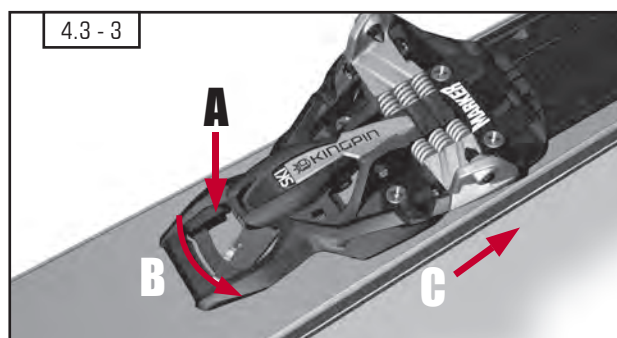
- Adjusting the installation tool: the arrow "Demo" on the front drill plate must be aligned with the marking "Demo" on the frame.



- Place the MARKER KINGPIN installation tool W008R1T (or installation tool W008P1T + sticker 836769 A) 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 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



- Close the locking lever. (4.3 - 5)



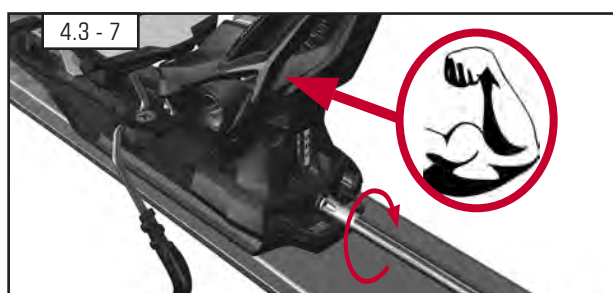
CAUTION !

Ensure that the lever is engaged properly !



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)



INSTALLING THE HEEL:

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



- 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 !



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

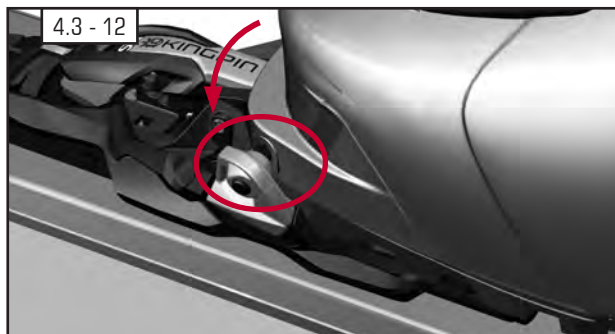


- Switch the change-over lever 180° forward. (4.3 - 10)

4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS



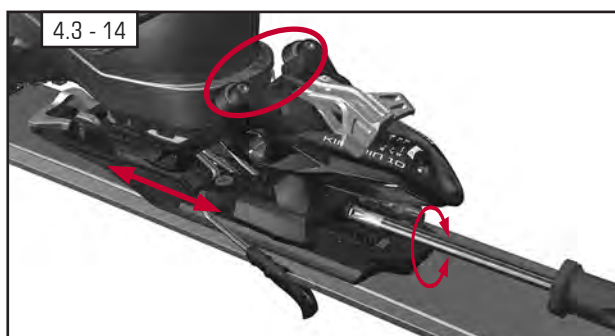
- Open the heel. (4.3 - 11)



- 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)



- 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)



POSITIONING THE HEEL:

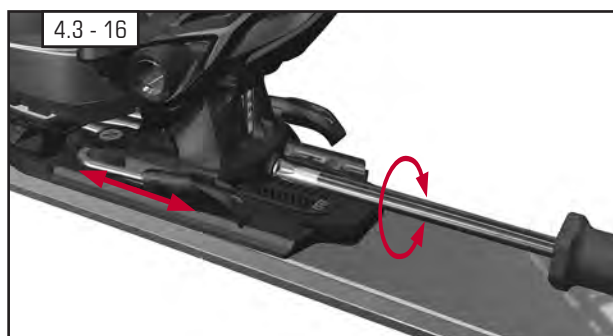
- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right. (4.3 - 14)



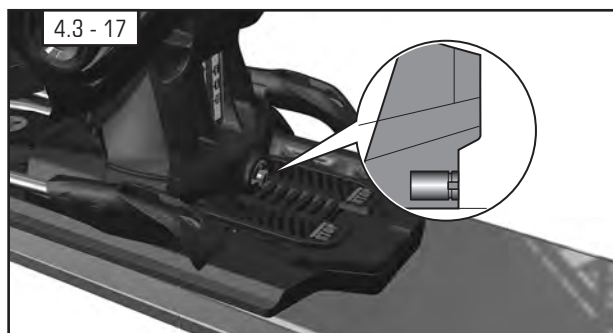
CHECK FORWARD PRESSURE:

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

4.3 INSTALLATION OF MARKER KINGPIN DEMO BINDINGS



- 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)



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



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)



CAUTION !

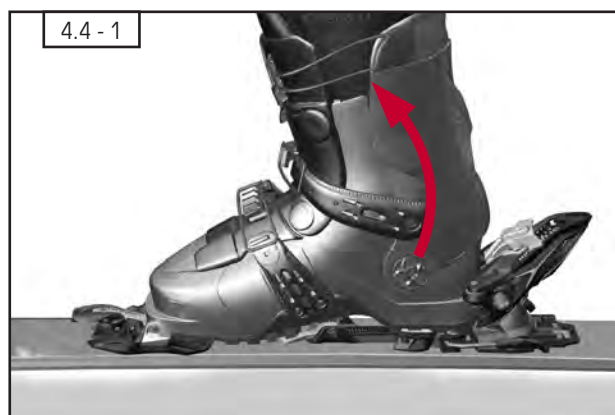
After altering the binding, visually inspect the spacing between the boot sole and the change-over lever: the sole may not touch the lever after stepping in ! (4.3 - 19 and 4.3 - 20)



INFORMATION FOR BINDING ADJUSTMENT:

see chapter → 4.4

4.4 MARKER KINGPIN - INFORMATION FOR BINDING ADJUSTMENT



BINDING RELEASE FORCE ADJUSTMENT SCREWS AND RELEASE VALUE INDICATOR SCALES

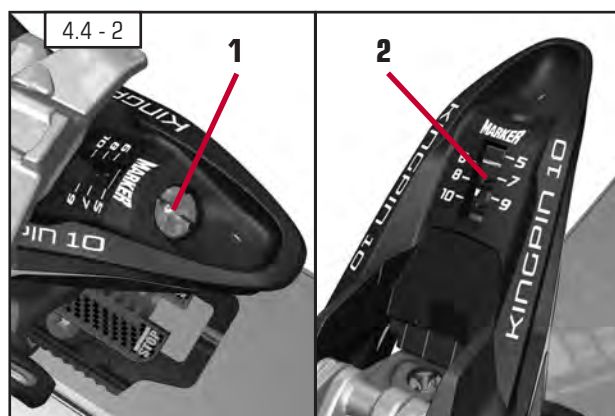
REMARK:

MARKER recommends adjustment with a Pozidriv® 3 screwdriver.

ADJUSTMENT SCREWS AND INDICATOR SCALES ON THE HEEL

VERTICAL RELEASE (4.4 - 1)

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

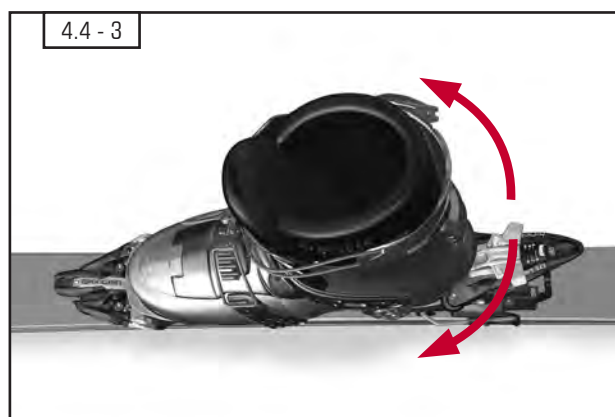


LATERAL RELEASE (4.4 - 3)

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)

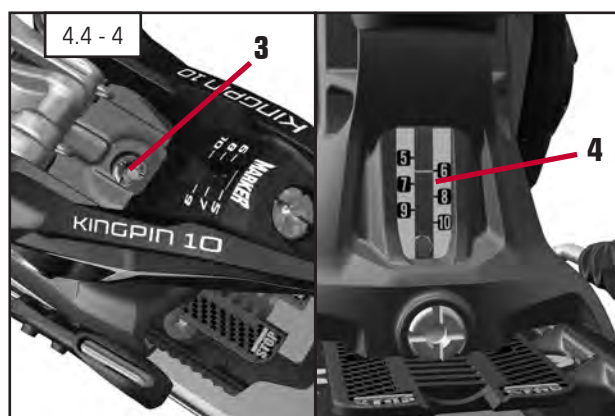


RELEASE VALUE SELECTION AND ADJUSTMENT:

- 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:

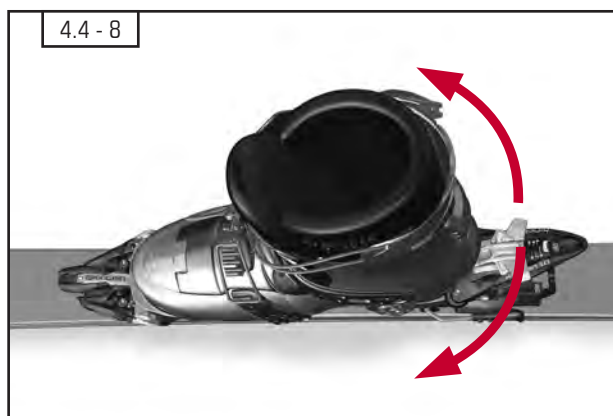
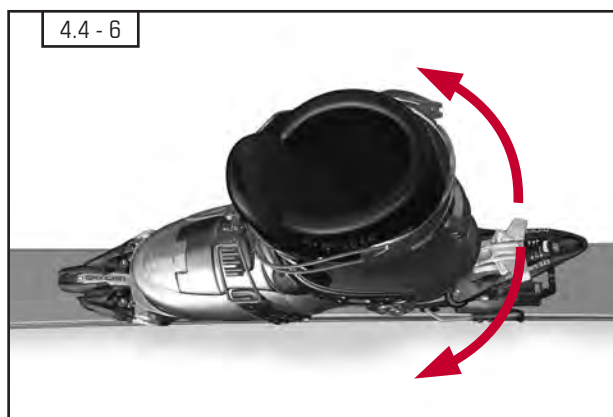
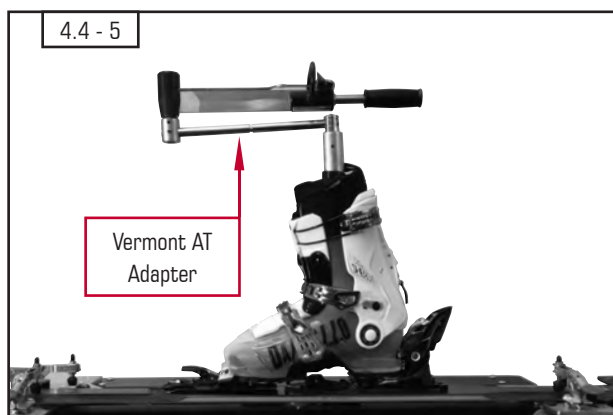
→ 12.1 - 12.3



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 work order. → 15.3



4.4 MARKER KINGPIN - INFORMATION FOR BINDING ADJUSTMENT



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:

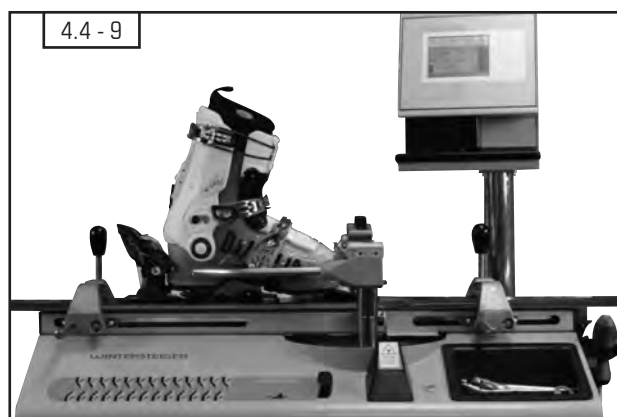
Set up machine for a Children test. All heel straps, posts and automatic heel engagement systems must be away allowing the heel to twist without obstruction. (4.4 - 7)

- 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



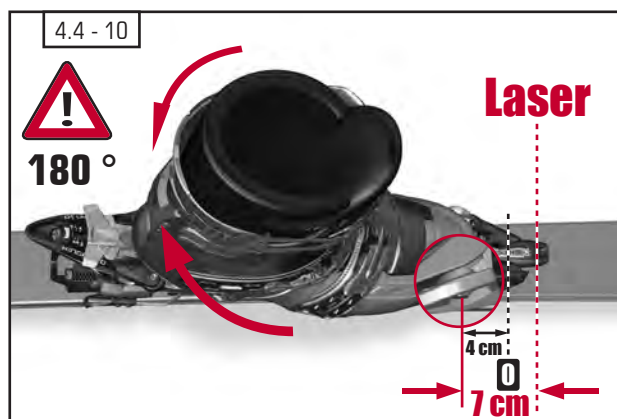
4.4 - 9

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)



4.4 - 10

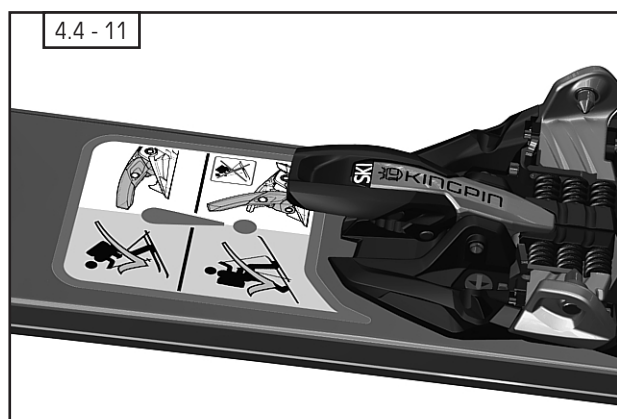
- The procedure is then identical to the procedure for all other Marker bindings. (4.4 - 10)

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 - 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)

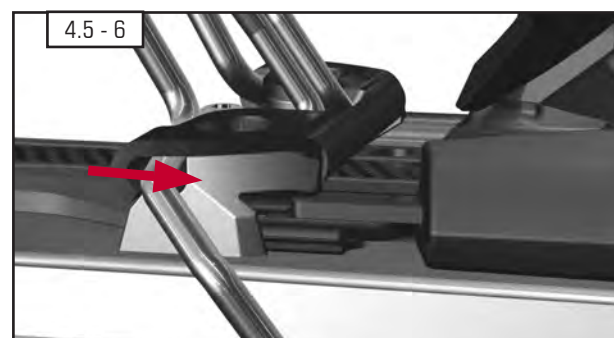


- Pull the ski brake slightly forward and upward to remove. (4.5 - 3)

INSTALL THE KINGPIN BRAKE:



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



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

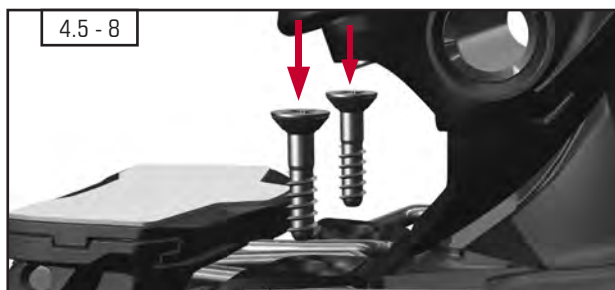
4.5 MARKER KINGPIN REPLACING BRAKES / INSTALLATION OF GLIDING AFD



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)



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 !



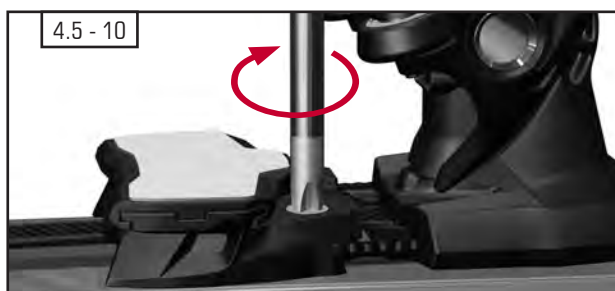
- Remove the brake as described under. (4.5 - 1, 4.5 - 2 and 4.5 - 3)
- Mount the gliding AFD from the top of the heel plate, ensure that the screw points align with the drilled holes. (4.5 - 9)
- Install the attachment screws and tighten them by hand. (4.5 - 10)



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 be a hazard to other persons.

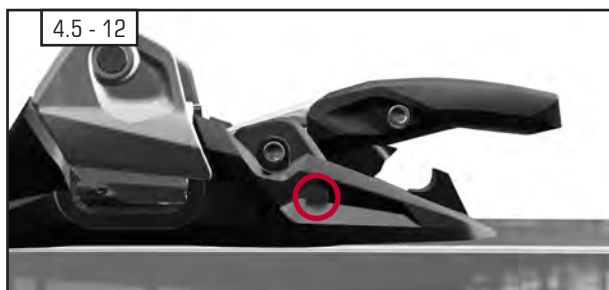
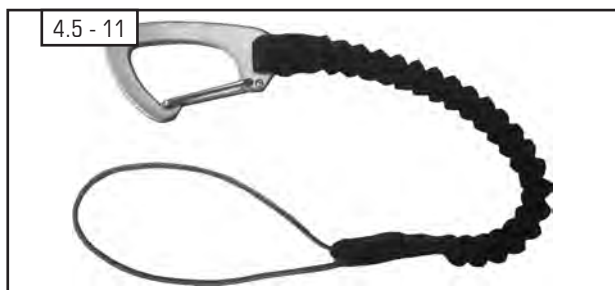


REMARK:

MARKER offers a special KINGPIN safety leash. (4.5 - 11)
Art. #: L001P1A

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)



4.6 MARKER KINGPIN - INFORMATION FOR THE SKIER

In addition to the Skier Instruction → 15.4, 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 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

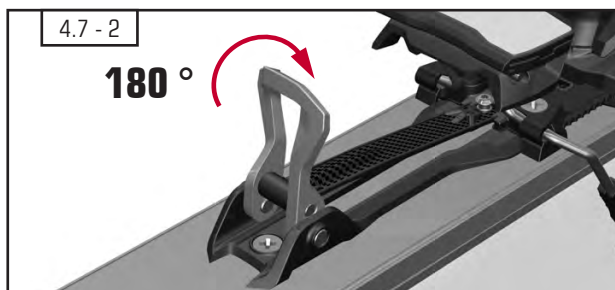
- The skier must read, understand and agree to the conditions specified in the workshop form and / or any release agreement.
- Make sure that the skier signs the workshop form and /or the release agreement. If the skier is a minor, this document should be signed by a parent or a legal guardian.
- A copy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



In addition to the Skier Instruction → 15.4, the following instructions must be given to the intended user of a MARKER KINGPIN binding:

CHANGE - OVER FROM SKIING TO HIKING POSITION:

- Open the heel piece to disengage the boot heel from the binding.
- Lift and rotate 180° ski/walk lever located between toe and heel from SKI to WALK allowing the heelpiece to move back. (4.7-1, 4.7.2 and 4.7-3)
- With the boot toe engaged with the toe piece of the binding lift up on the toe lever to the (WALK) position. (4.7 - 4) There will be noticeable clicks into a catch while lifting up on lever and should be pulled up as far as possible.



- Stepping back down firmly with the boot heel the heel piece will close behind the boot heel and brake will lock down, now being enabled to climb at the 0° walking position.

USING THE HIKING AID

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

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 hiking aid 2 with the pole disc or by brushing along the heel opening lever with the tip of the pole. (4.7 - 7)

HIKING AID BASIC POSITION:

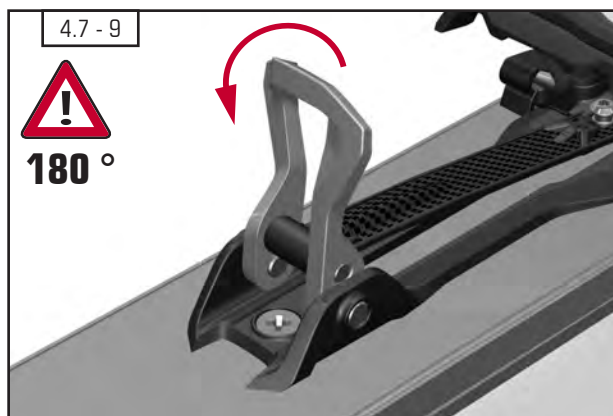
- Fold the hiking aids back into the starting position individually or together with the pole disc, or by brushing along the heel opening lever with the tip of the pole.

4.7 MARKER KINGPIN - INFORMATION FOR THE SKIER



CHANGING FROM WALKING - MODE TO SKIING - MODE:

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



- In order to change from the WALK mode to SKI mode, open the heel piece and switch the WALK/SKI lever 180° forward, located between toe and heel, from WALK to SKI allowing the heelpiece to move forward and unlock the brake. (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 Ski position before the skins are removed from the ski.



CAUTION !

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

4.8 MARKER KINGPIN - CRAMPONS



4.8 - 1

KINGPIN CRAMPONS:

MARKER offers special crampons for the MARKER KINGPIN: (4.8 - 1)

Crampons KINGPIN 90 mm (for ski width 75-90 mm) Art.-Nr. H001P1P

Crampons KINGPIN 105 mm (for ski width 90-105 mm) Art.-Nr. H002P1P

Crampons KINGPIN 120 mm (for ski width 105-120 mm) Art.-Nr. H003P1P



4.8 - 2

ATTACHING THE CRAMPONS:

- Insert the crampon with the axis into the recess provided at the toe. Tilt the crampon around 60° to insert. (4.8 - 2 and 4.8 - 3)



4.8 - 3

- The crampon must noticeably click in place when it is centered. (4.8 - 4)



4.8 - 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.



4.8 - 5

DETACHING THE CRAMPONS:

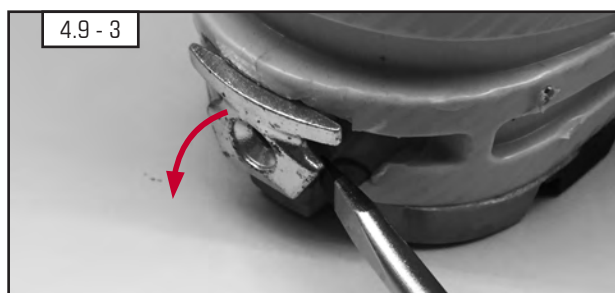
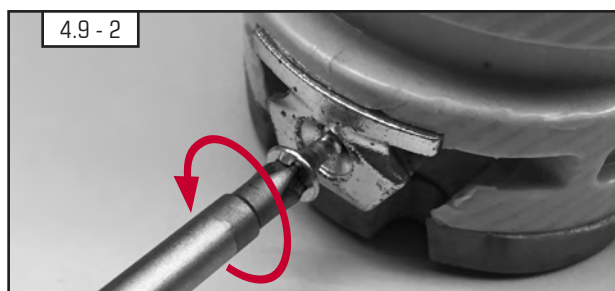
- Tilt the crampon around 60°. (4.8 - 5)



4.8 - 6

- Push against the crampon from the side and pull out. (4.8 - 6)

4.9 DIN ADAPTER AT BOOT



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)

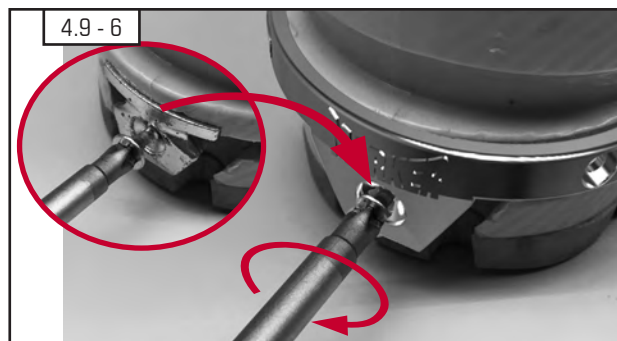
- Use the Phillips head screwdriver to unscrew the screw with which the heel insert is fixed in place. (4.9 - 2)

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

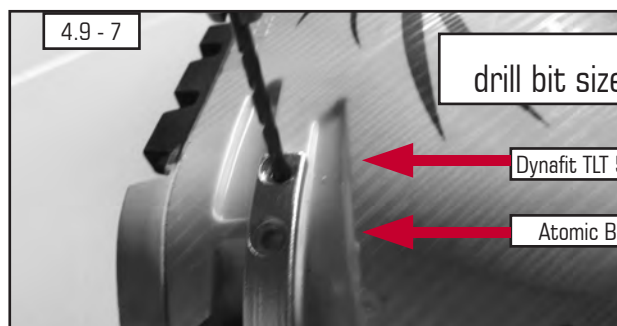
4.9 DIN ADAPTER AT BOOT



- 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.



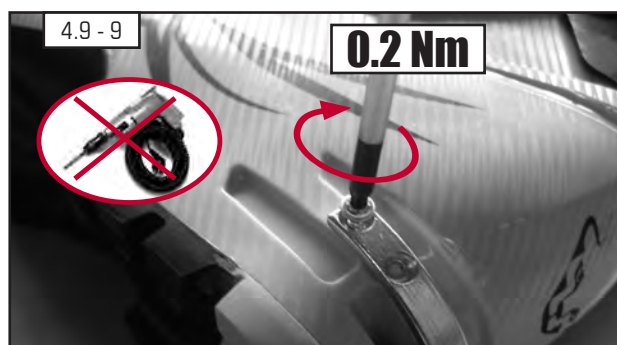
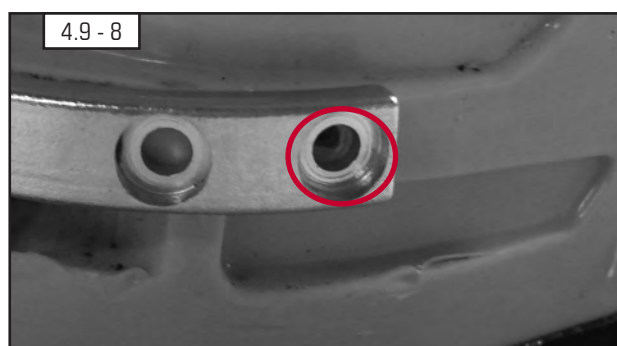
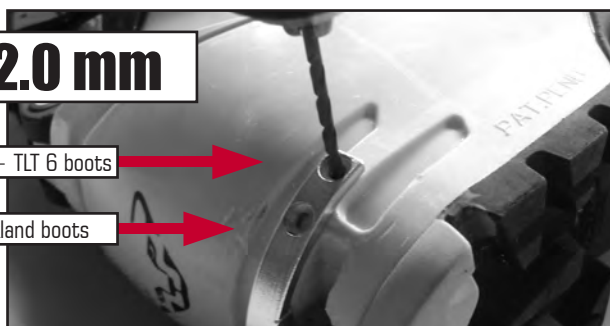
- Use the original screw from your boot to fix the DIN Adapter to the boot. (4.9 - 6)



drill bit size **2.0 mm**

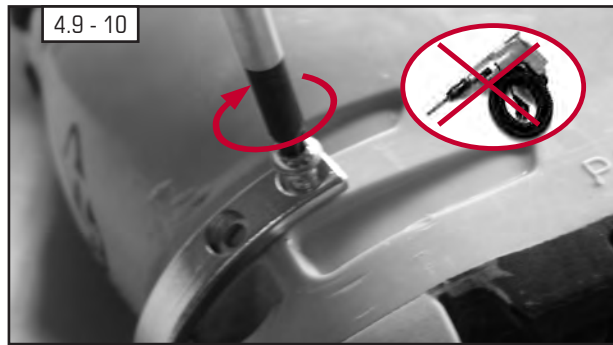
Dynafit TLT 5 + TLT 6 boots

Atomic Backland boots



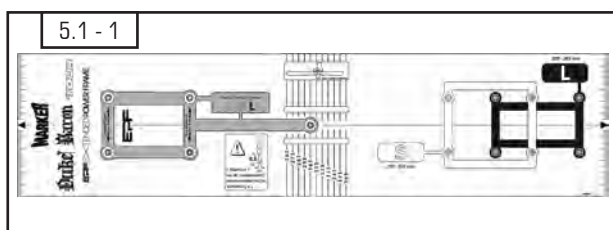
- Then tighten the Torx screws supplied using the manual screwdriver with 0.2 Nm. (4.9 - 9 and 4.9 - 10)

4.9 DIN ADAPTER AT BOOT



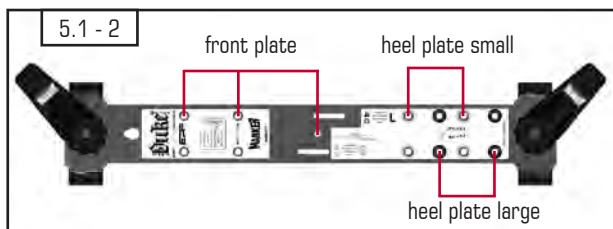
- The Marker DIN Adapter complete installation.(4.9-11)

5.1 INSTALLATION OF MARKER DUKE EPF & BARON EPF



CAUTION !

The hole pattern for the MARKER DUKE EPF / BARON EPF bindings deviate 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)



MARKER DUKE EPF / BARON EPF:

MARKER DUKE EPF / BARON EPF small: 265 mm - 325 mm

MARKER DUKE EPF / BARON EPF large: 305 mm - 365 mm

REMARK:

MARKER DUKE EPF/ BARON EPF bindings meet ISO 13992 and 9462 and are designed for the following ISO Boot Sole standards:

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

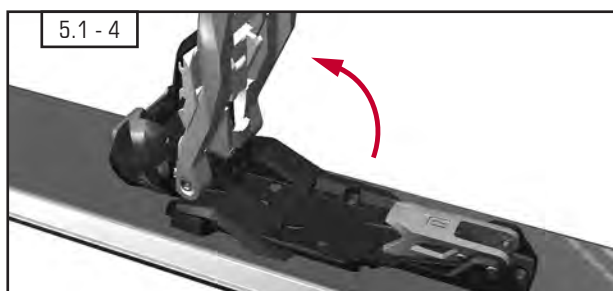


DRILLING THE ATTACHMENT HOLES:

- 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 EPF / BARON EPF small:
Drill 4 holes for the heel plate through the rear silver drill bushings.
- MARKER DUKE EPF / 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

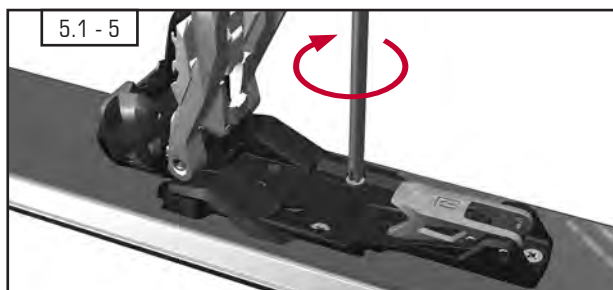


INSTALLING THE HEEL PLATE:

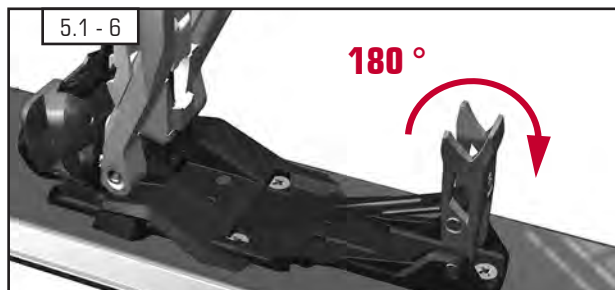
- Install the heel plate with the 4 pre - installed screws. Tighten the screws lightly, then firmly. (5.1 - 3)

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 EPF & BARON EPF



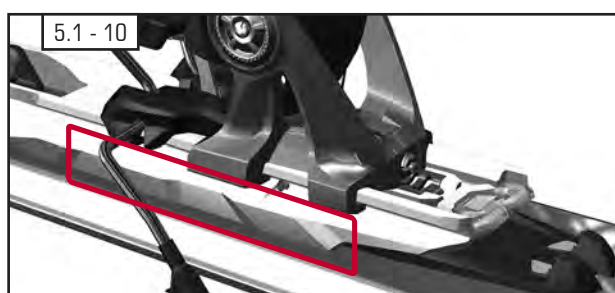
- Switch the BCT engagement lever to the unlocked position (5.1 - 6) and lower the binding afterwards. (5.1 - 7)



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



- 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.



CAUTION !

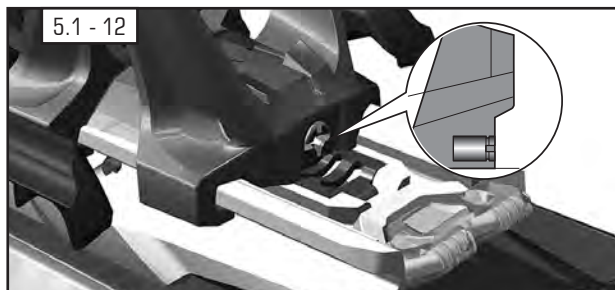
Ensure that the BCT plate is fully and uniformly sliding into the heel plate attachments when the BCT engagement lever is closed. (5.1 - 10)



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 EPF & BARON EPF



CHECK FORWARD PRESSURE:

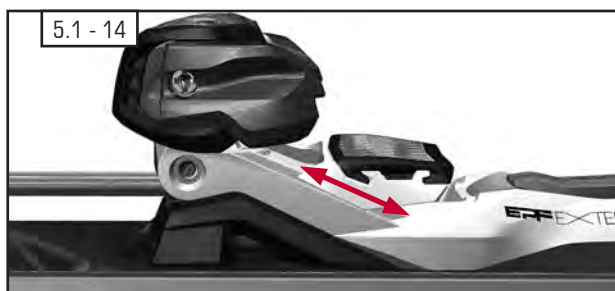
- Place the ski boot into the binding and close it.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. (5.1 - 12)
If this adjustment is incorrect, turn the screw until it is flush with the back of the housing.

- Remove the ski boot



AFD HEIGHT ADJUSTMENT:

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



REMARK:

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

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)

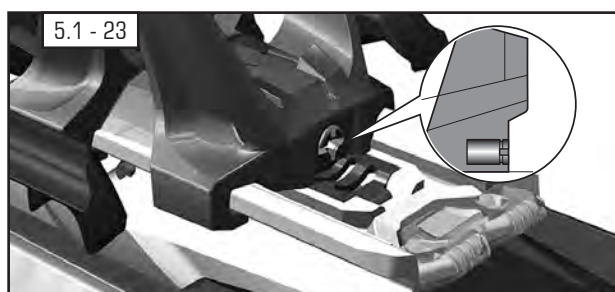
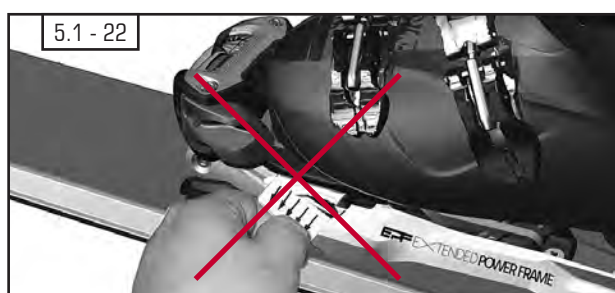
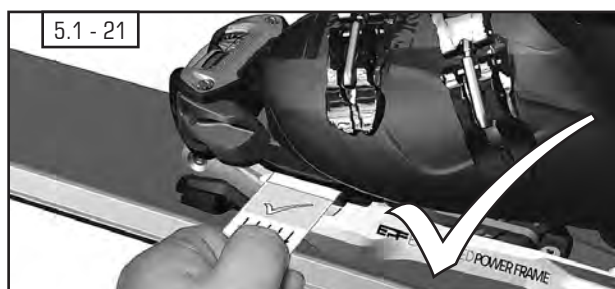
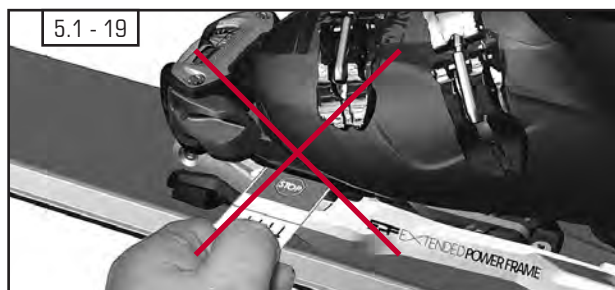
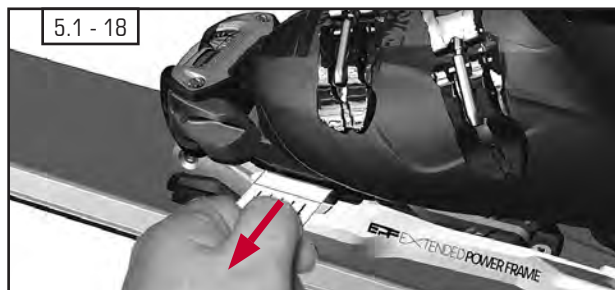


- Place the height test strip on the gliding AFD with the red marked side up. (5.1 - 15 and 5.1 - 16)



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

5.1 INSTALLATION OF MARKER DUKE EPF & BARON EPF



- Pull out the lower part of the test strip carefully. (5.1 - 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. (5.1 - 19)
- Adjust the height of the gliding AFD by turning the adjustment screw (5.1 - 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 !

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.

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted.

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 workshop form. → 15.3



IMPORTANT !

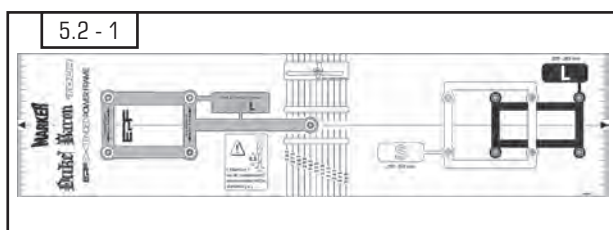
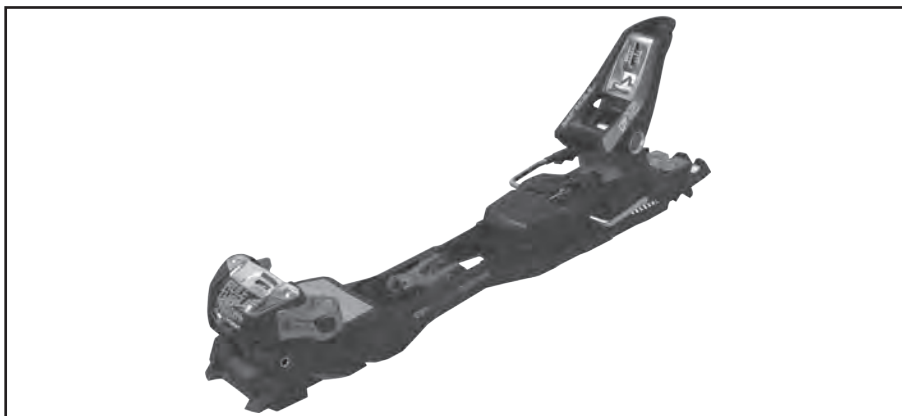
See INFORMATION FOR THE SKIER !

→ 15.4

→ 15.6

→ 15.8

5.2 INSTALLATION OF MARKER F12 TOUR EPF

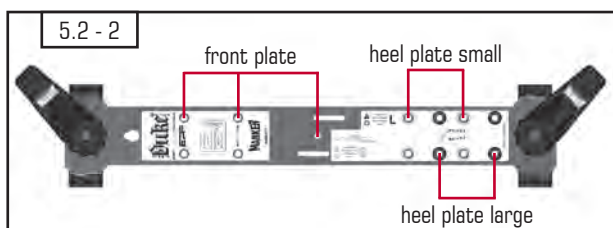


CAUTION !

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)



MARKER TOUR F 12 EPF:

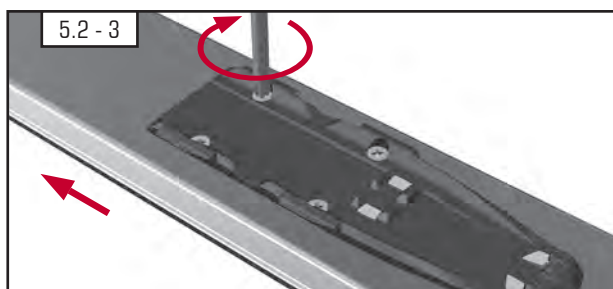
MARKER F 12 Tour EPF small: 265 mm - 325 mm

MARKER F 12 Tour EPF large: 305 mm - 365 mm

REMARK:

MARKER F 12 Tour EPF bindings meet ISO 13992 and 9462 and are designed for the following ISO boot sole standards:

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

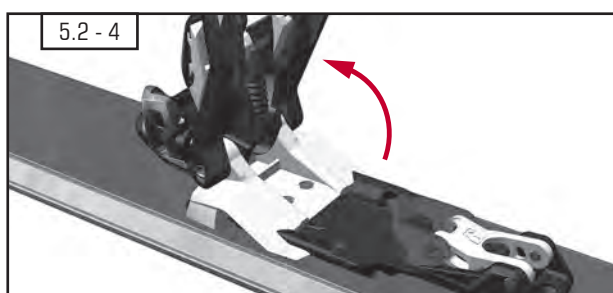


DRILLING THE ATTACHMENT HOLES:

- 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 F12 TOUR EPF



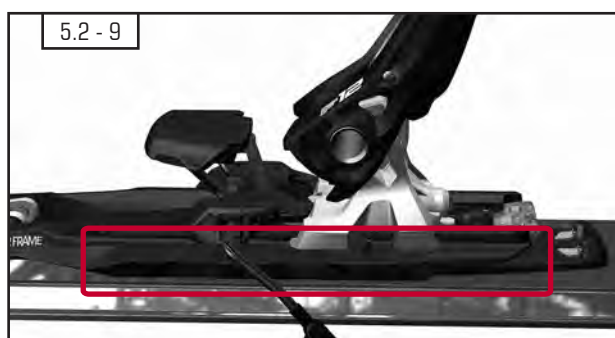
- Switch the TOUR engagement lever to the unlocked position (5.2 - 5) and lower the binding afterwards. (5.2 - 6)



- Insert and tighten the 2 front screws. (5.2 - 7)



- Press down the TOUR plate and switch the engagement lever to the locked position. (5.2 - 8) Check that the TOUR plate is fully and uniformly sliding into the heel plate attachments.



CAUTION !

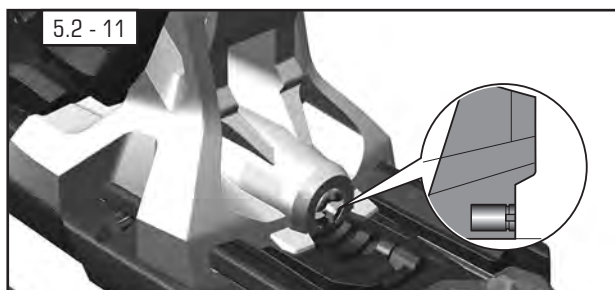
Ensure that the TOUR plate is fully and uniformly sliding into the heel plate attachments when the engagement lever is closed. (5.2 - 9)

5.2 INSTALLATION OF MARKER F12 TOUR EPF



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 - 10)

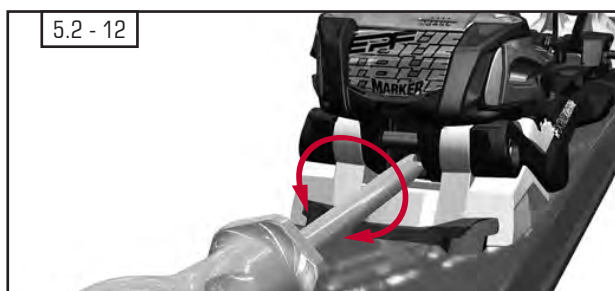


CHECK FORWARD PRESSURE:

- 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. (5.2 - 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.



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

Turning the adjustment screw counterclockwise moves the AFD gliding plate down. (5.2 - 12 and 5.2 - 13)

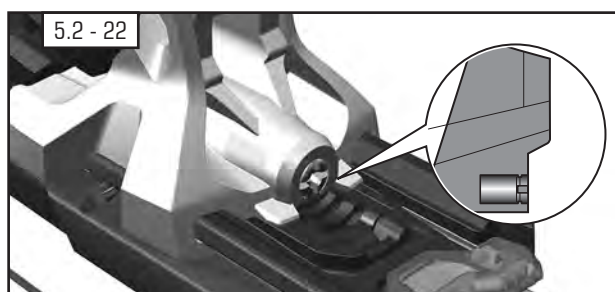
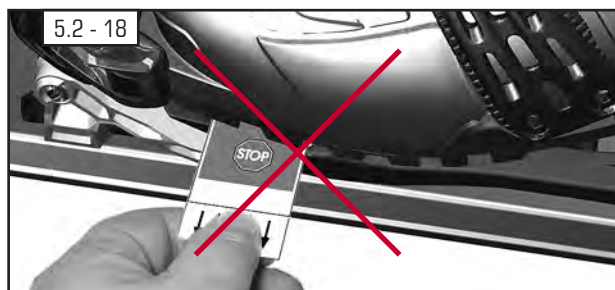
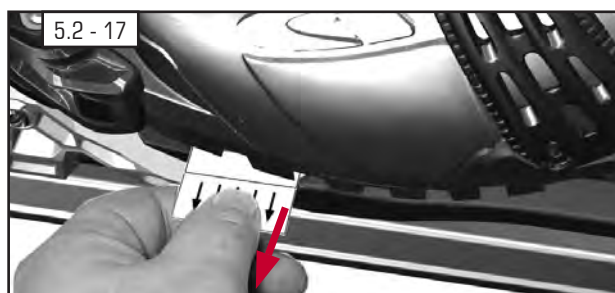


- Place the height test strip on the gliding AFD with the red marked side up. (5.2 - 14 and 5.2 - 15)



- Place the ski boot into the binding and close it. (5.2 - 16)

5.2 INSTALLATION OF MARKER F12 TOUR EPF



- Pull out the lower part of the test strip carefully. (5.2 - 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. (5.2 - 18)
- Adjust the height of the gliding AFD by turning the adjustment screw (5.2 - 19) so that you can pull out the green marked lower part of the test strip just before it tears. (5.2 - 20 and 5.2 - 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. (5.2 - 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.

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 workshop form. → 15.3



IMPORTANT !

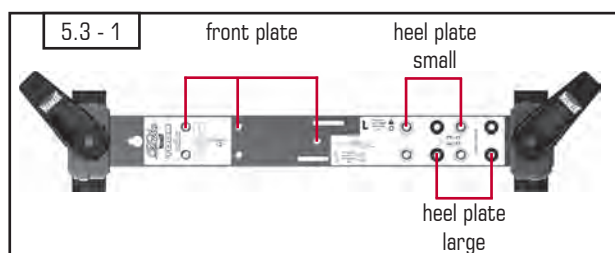
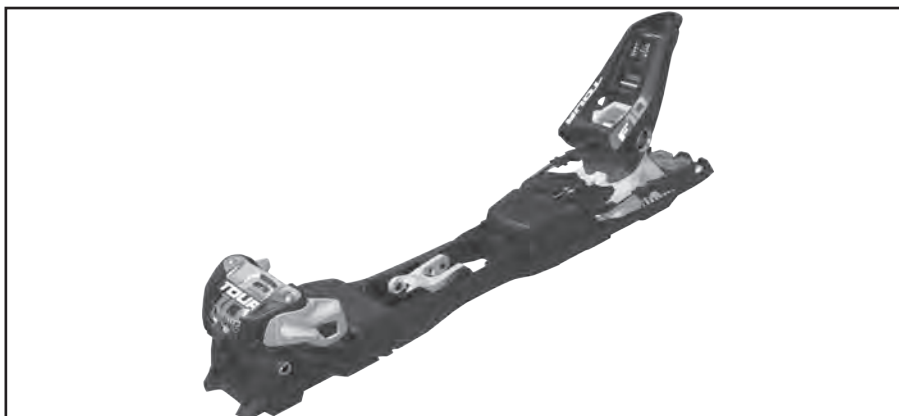
See INFORMATION FOR THE SKIER

→ 15.4

→ 15.5

→ 15.8

5.3 INSTALLATION OF MARKER F10 TOUR



MARKER F 10 TOUR:

MARKER F 10 TOUR small: 265 mm - 325 mm

MARKER F 10 TOUR large: 305 mm - 365 mm

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

REMARK:

MARKER F 10 / F 12 TOUR bindings meet ISO 13992 and 9462 and are designed for the following ISO boot sole standards:

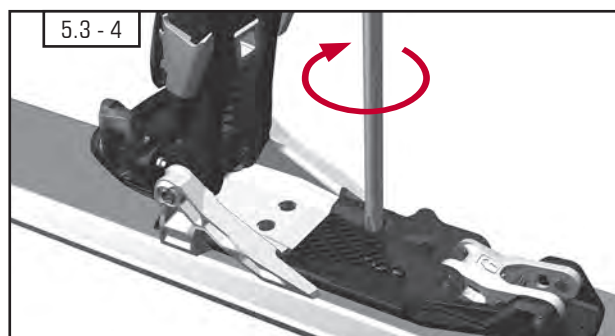
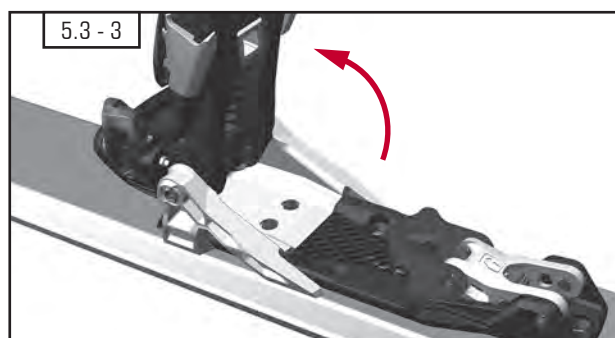
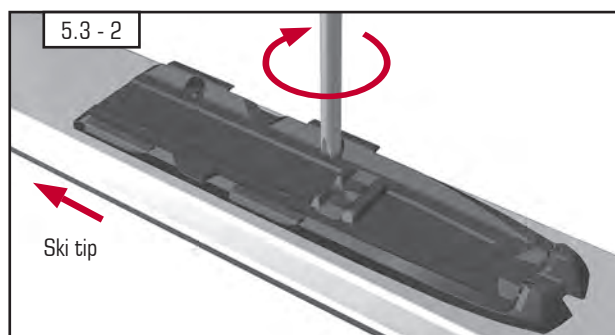
- Touring ski boots for adults ISO 9523
- Alpine ski boots for adults ISO 5355
- Touring ski boots for adults DIN ISO 9523 with the additional marking "GripWalk®"

INSTALLING THE HEEL PLATE:

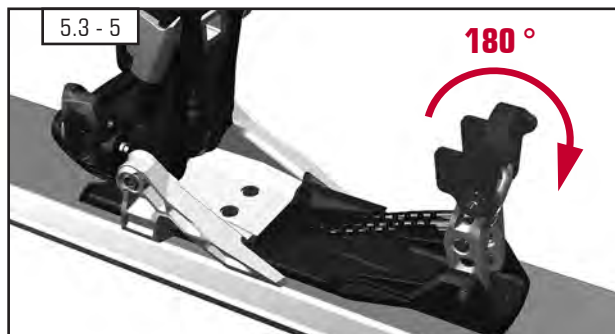
- Install the MARKER TOUR heel plate with the 4 pre - installed screws. (5.3 - 2)

INSTALLING THE TOE:

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



5.3 INSTALLATION OF MARKER F10 TOUR



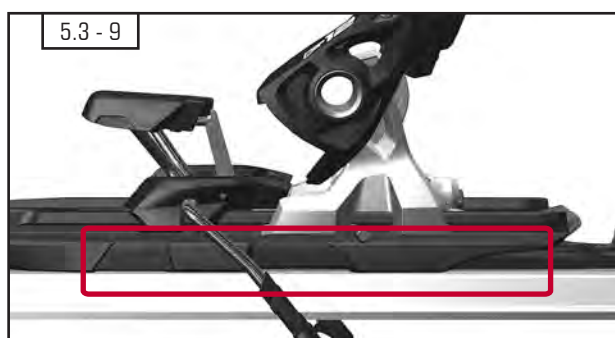
- Switch the TOUR engagement lever to the unlocked position (5.3 - 5) and lower the binding afterwards. (5.3 - 6)



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



- 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.



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)

POSITIONING THE HEEL:

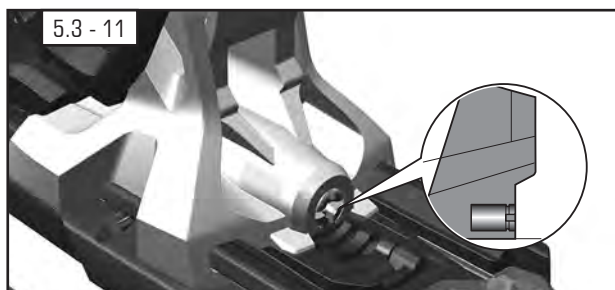
- Place the ski boot into the binding and turn the adjustment screw until the position of the heel is approximately right. (5.3 - 10)

5.3 INSTALLATION OF MARKER F10 TOUR



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.



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 and 5.3 - 13)

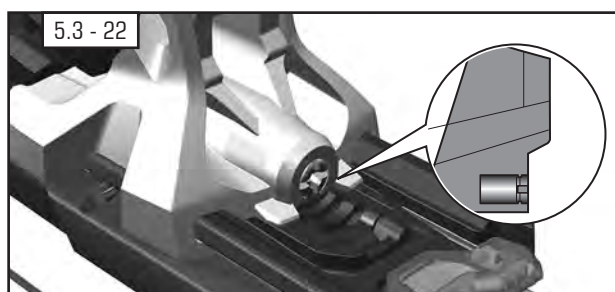
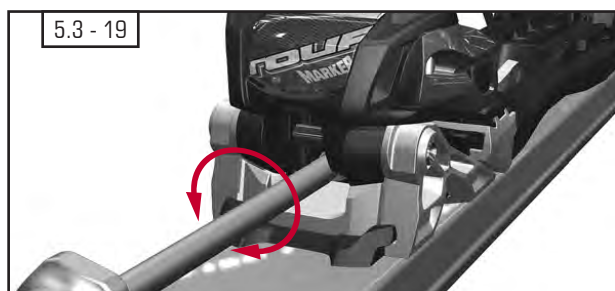
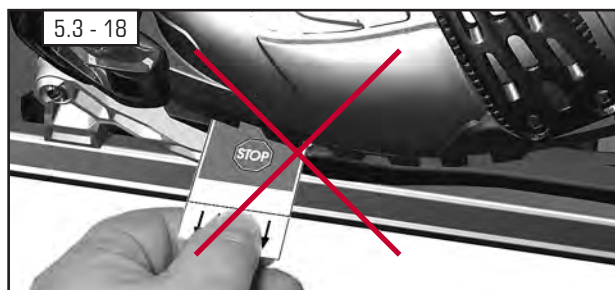
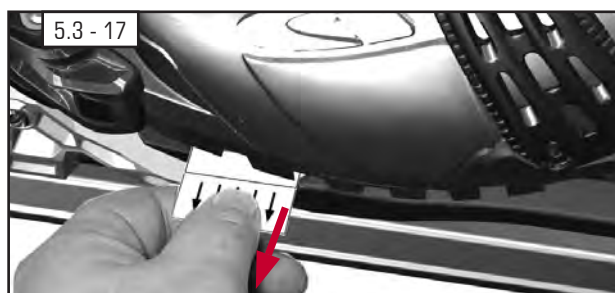


- Place the height test strip on the gliding AFD with the red marked side up. (5.3 - 14 and 5.3 - 15)



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

5.3 INSTALLATION OF MARKER F10 TOUR



- 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.

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 workshop form. → 15.3



IMPORTANT !

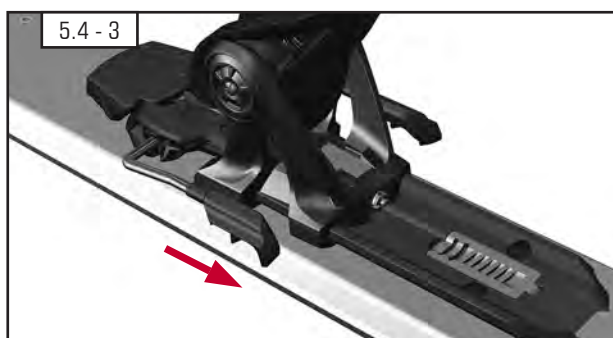
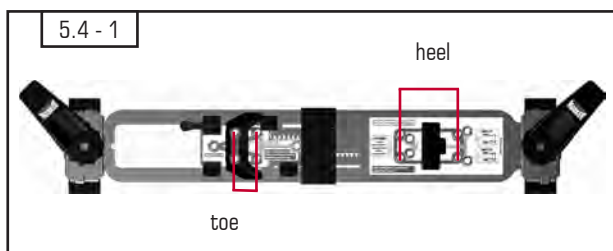
See INFORMATION FOR THE SKIER

→ 15.4

→ 15.5

→ 15.7

5.4 INSTALLATION OF MARKER JESTER 16 ID, GRIFFON 13 ID & SQUIRE 11 ID



DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF THE BINDING INSTALLATION TOOLS.

→ 3.2

- Place the MARKER universal installation tool W001G1T or W012J1T (5.4 - 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.

REMARK:

See DRILLING INSTRUCTIONS → 3.2

REMARK:

The binding models "sole.ID" are designed for the following ISO boot sole standards:

- 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®"

INSTALLING THE HEEL :

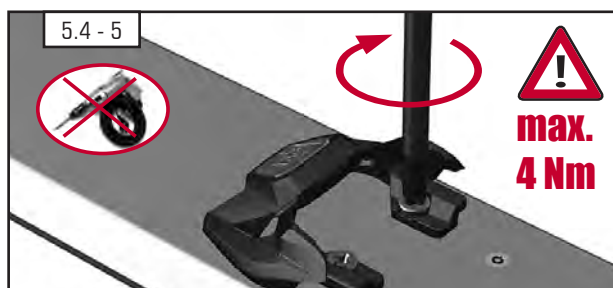
- Install the heel plate with the 4 pre - installed screws (5.4 - 2). Tighten the screws lightly, then firmly.
- Slide the heel onto the heel plate, starting from the front. (5.4 - 3)
- Slide the heel back until it stops. (5.4 - 3)



CAUTION !

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

5.4 INSTALLATION OF MARKER JESTER 16 ID, GRIFFON 13 ID & SQUIRE 11 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)

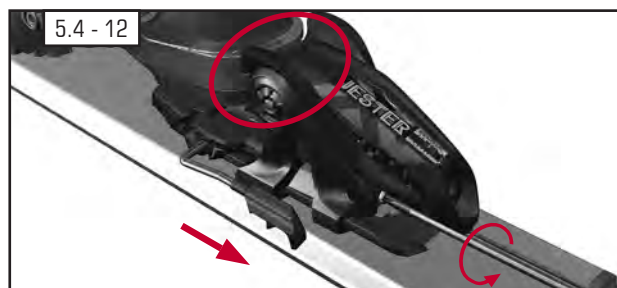
5.4 INSTALLATION OF MARKER JESTER 16 ID, GRIFFON 13 ID & SQUIRE 11 ID



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

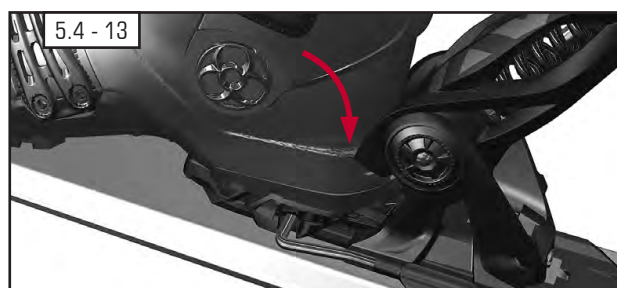
REMARK:

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



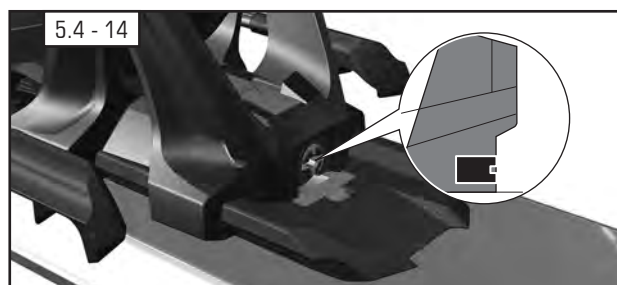
POSITIONING THE HEEL:

- 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).



CHECK FORWARD PRESSURE:

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



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



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

5.4 INSTALLATION OF MARKER JESTER 16 ID, GRIFFON 13 ID & SQUIRE 11 ID



- Pull out the lower part of the test strip carefully. (5.4 - 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. (5.4 - 18)

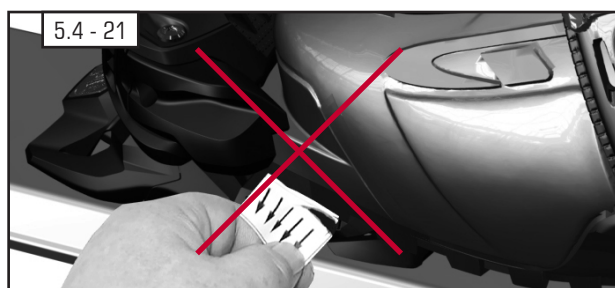


- Adjust the height of the gliding AFD by turning the adjustment screw (5.4 - 19) so that you can pull out the green marked lower part of the test strip just before it tears (5.4 - 20 and 5.4 - 21).



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.

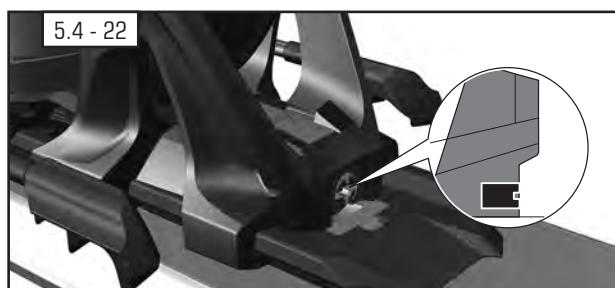


RELEASE VALUE SELECTION AND ADJUSTMENT:

- 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.

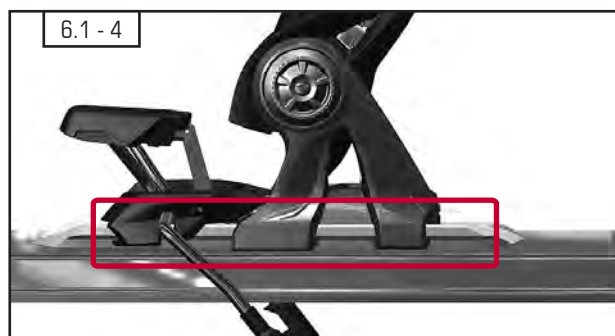
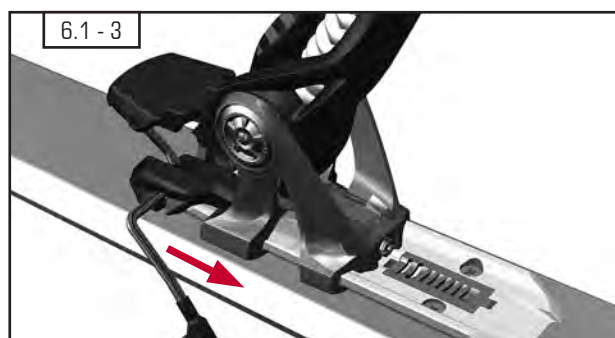
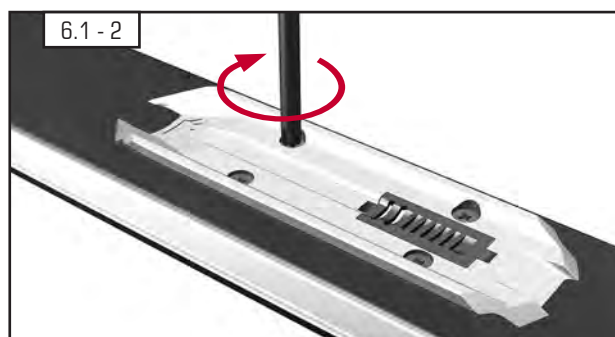
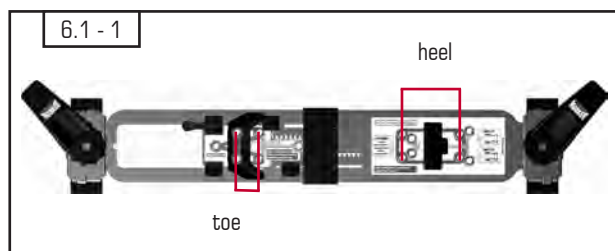
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 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

6.1 INSTALLATION OF MARKER JESTER PRO



DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF THE BINDING INSTALLATION TOOLS.

→ 3.2

- Place the MARKER universal installation tool W001G1T or W012J1T (6.1 - 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 red marked drill bushings.
- Remove installation tool from the ski.

REMARK:

See DRILLING INSTRUCTIONS → 3.2

REMARK:

The binding model Jester Pro is designed for the following ISO boot sole standard:

- Alpine ski boots for adults DIN ISO 5355

INSTALLING THE HEEL :

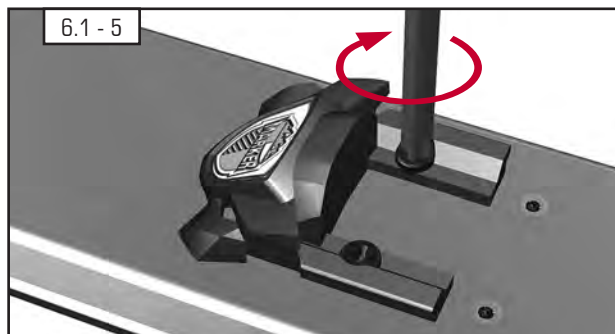
- Install the heel plate with the 4 pre - installed screws. Tighten the screws lightly, then firmly. (6.1 - 2)
- Slide the heel onto the heel plate, starting from the front. (6.1 - 3)
- Slide the heel back until it stops. (6.1 - 3)



CAUTION !

Ensure that the heel is fully and uniformly sliding onto the heel plate. (6.1 - 4)

6.1 INSTALLATION OF MARKER JESTER PRO



INSTALLING THE TOE:

- Install the front plate with the pre - installed screws in the front holes. Tighten the screws lightly, then firmly. (6.1 - 5)

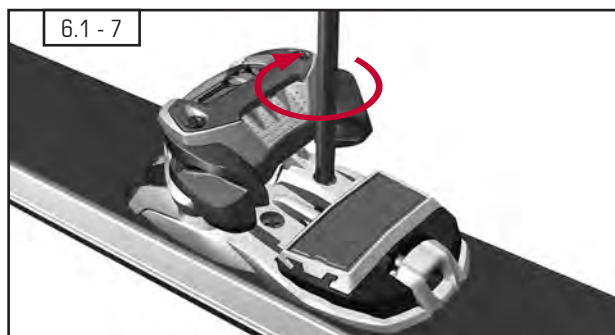


- Slide the toe onto the front plate from the rear. (6.1 - 6)

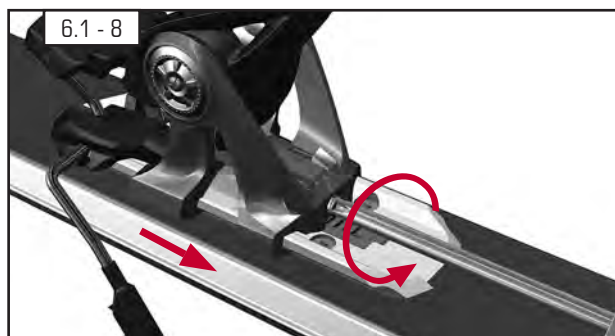


CAUTION !

Ensure that the toe is fully and uniformly sliding into the front plate attachments. (6.1 - 6)

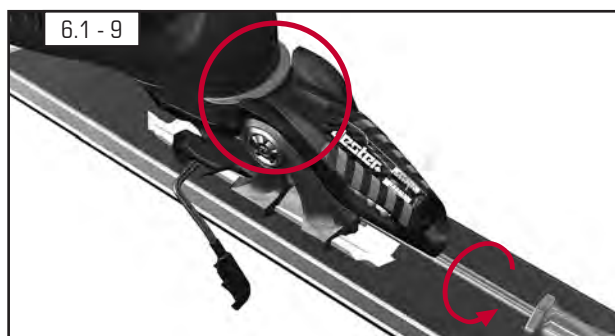


- Install the toe with the pre - mounted screws. Tighten the screws lightly, then firmly. (6.1 - 7)



POSITIONING THE HEEL:

- Move the heel backwards by turning the forward pressure adjustment screw counter clockwise. (6.1 - 8)



- Place the ski boot into the binding. Move the heel backwards until the position of the heel is approximately right. (6.1 - 9)

6.1 INSTALLATION OF MARKER JESTER PRO

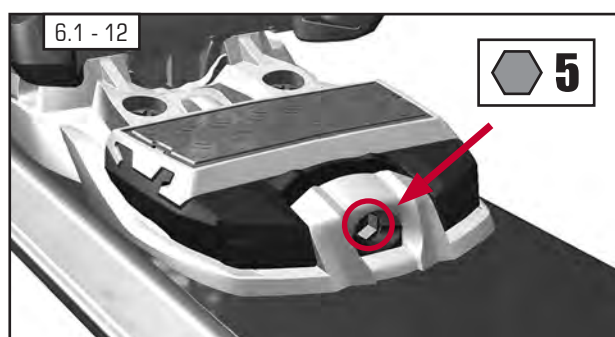


CHECK FORWARD PRESSURE:

- Place the ski boot into the binding and close it. (6.1 - 10)
- 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. (6.1 - 11)



- Remove the ski boot.



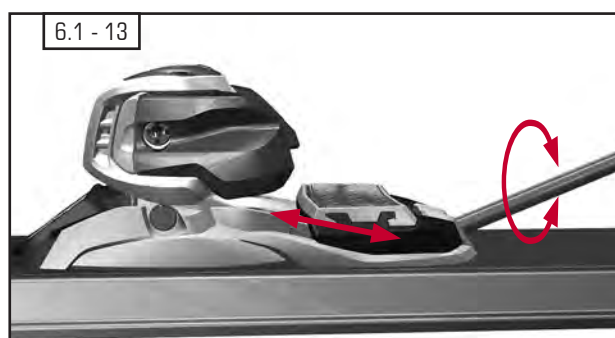
AFD HEIGHT ADJUSTMENT:

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

- For adjusting the AFD a 5mm ball allen wrench is needed. (6.1 - 12)

REMARK:

Accessory: AFD 5mm Ball Allen is available:
Marker Art. Nr.: 186913



Turning the adjustment screw clockwise moves the AFD gliding plate down.
Turning the adjustment screw counterclockwise moves the AFD gliding plate up. (6.1 - 13)



- Place a paper strip on the gliding AFD. (6.1 - 14)

6.1 INSTALLATION OF MARKER JESTER PRO



- Place the ski boot into the binding and close it. (6.1 - 15)



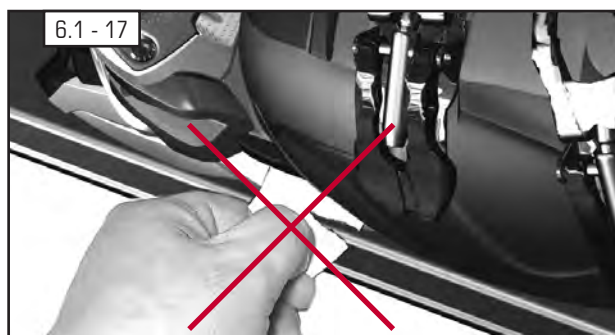
- Adjust the height of the gliding AFD by turning the adjustment screw (6.1 - 12) so that you can pull out the paper strip just before it tears. (6.1 - 16 and 6.1 - 17)

For AFD Height Adjustment Card, remove card with slight resistance for proper AFD height adjustment.



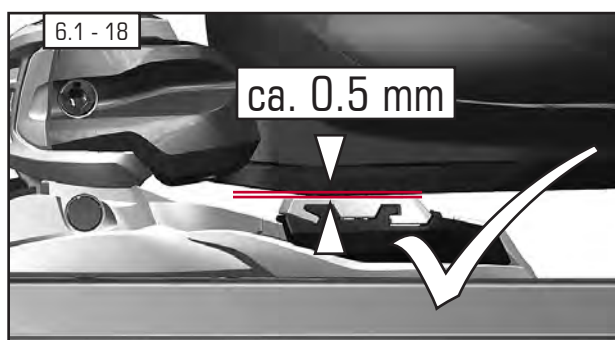
CAUTION !

The gap between the boot sole and gliding AFD must be 0.5 mm. Pull the boot upwards to make sure that the gap is not bigger. (6.1 - 18)



ADJUSTING THE 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 - 19)
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 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.

See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 12.1 - 12.3

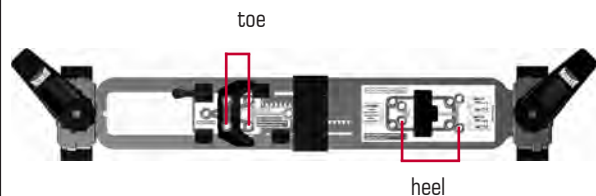


CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier's safety. All key information including the release value must be recorded in the workshop form. → 15.3

6.2 INSTALLATION OF MARKER FREE TEN



6.2- 1



DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF THE 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 green marked drill bushings.
- Remove installation tool from the ski.

REMARK:

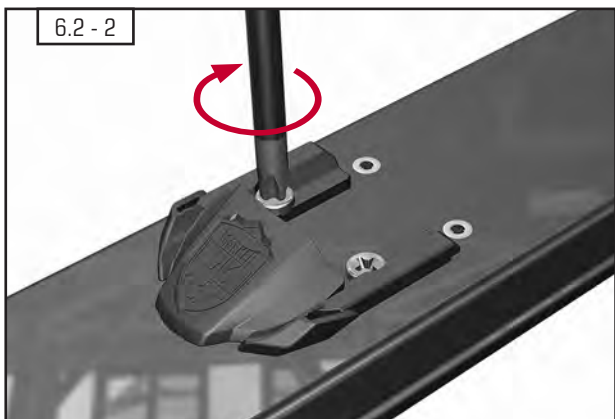
See DRILLING INSTRUCTIONS → 3.2

REMARK:

The binding model Free 10 is designed for the following ISO boot sole standard:

- Alpine ski boots for adults DIN ISO 5355

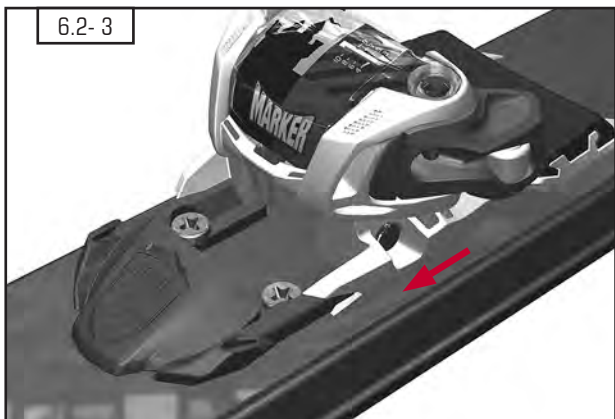
6.2 - 2



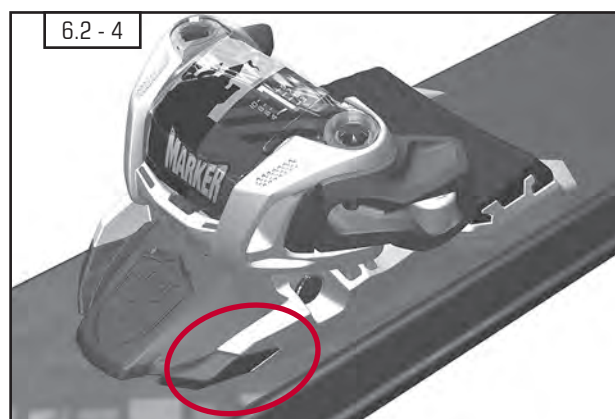
INSTALLING THE TOE:

- Install the front plate with the pre - installed screws in the front holes. Tighten the screws lightly, then firmly (6.2 - 2).
- Slide the toe onto the front plate from the rear (6.2 - 3).

6.2- 3



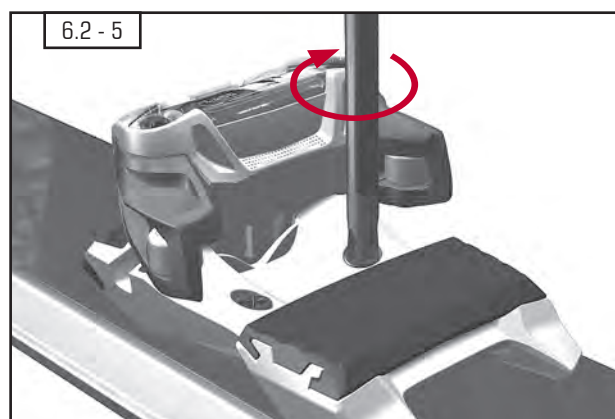
6.2 INSTALLATION OF MARKER FREE TEN



CAUTION !

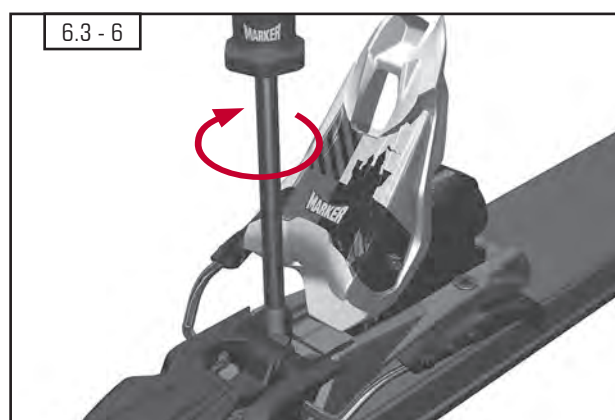
Ensure that the toe is fully and uniformly sliding into the front plate attachments (6.2 - 4).

- Install the toe with the pre - mounted screws. Tighten the screws lightly, then firmly (6.2 - 5).



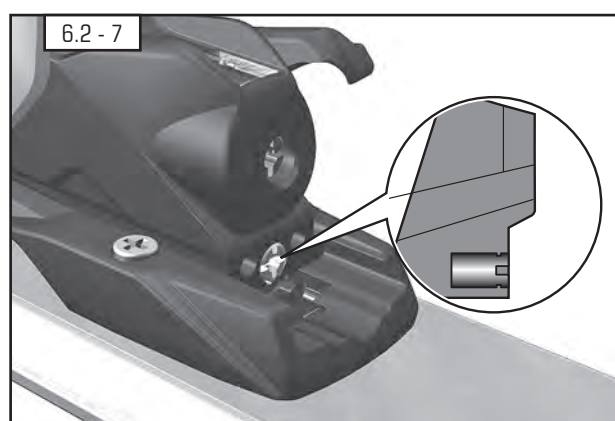
INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- With downward pressure, tighten the screws lightly, then firmly. (6.2 - 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. (6.2 - 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.

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 workshop form. → 15.3

6.3 INSTALLATION OF 12.0 TPX, 11.0 TP & 10.0 TP



REMARK: The binding models 12.0 TPX, 11.0 TP & 10.0 TP 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 (6.3 - 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 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.

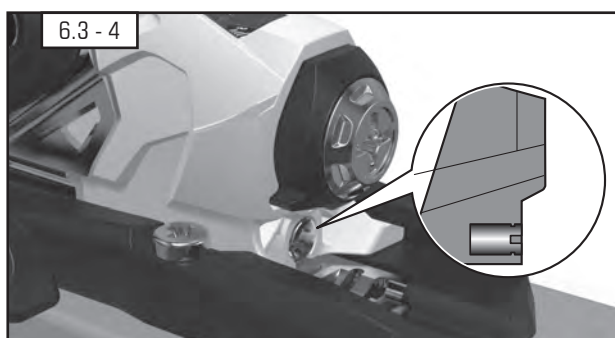
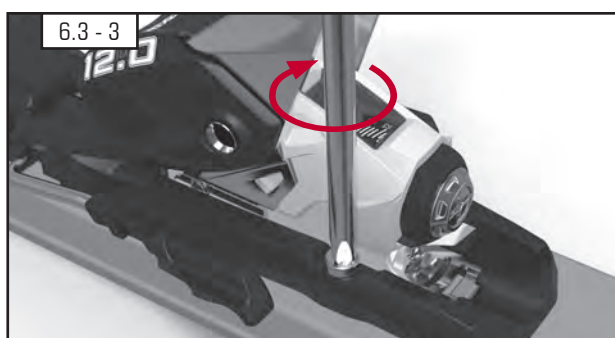
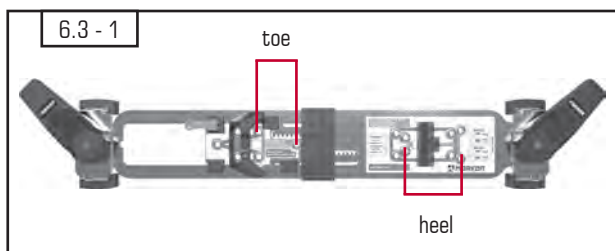
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 12.1 - 12.3

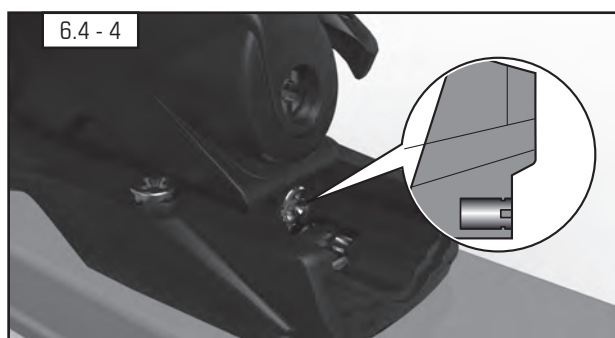
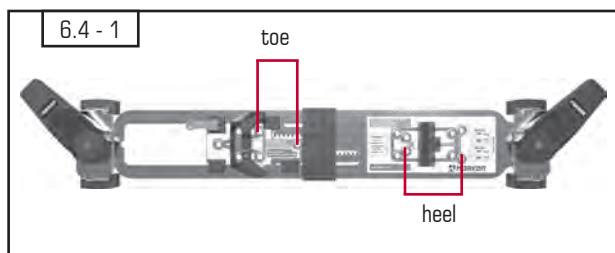


CAUTION !

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 10.0



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 (6.4 - 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 (6.4 - 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 and close it.
 - Check if the forward pressure adjustment screw is flush with the back of the heel housing. (6.4 - 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

6.5 INSTALLATION OF MARKER 7.0, 7.0 FREE & 4.5



DRILLING THE ATTACHMENT HOLES:

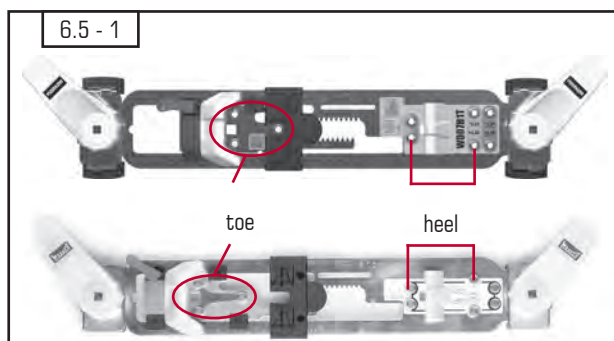
- Place the MARKER installation tool W007H1T or W007E1T (6.5 - 1) in the correct position on the ski.
- Drill 3 holes for the toe through the front drill bushings.
- Drill 4 holes for the heel through the yellow marked rear drill bushings.
- Remove the installation tool from the ski.

REMARK:

See DRILLING INSTRUCTIONS → 3.2

REMARK:

These binding models will accommodate both adult and junior Alpine boots DIN ISO 5355.



INSTALLING THE TOE:

- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (6.5 - 2)

INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (6.5 - 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 (6.5 - 4).
If the forward pressure is incorrect: remove the ski boot, lift the lever and move the heel until the forward pressure is correct.



CAUTION !

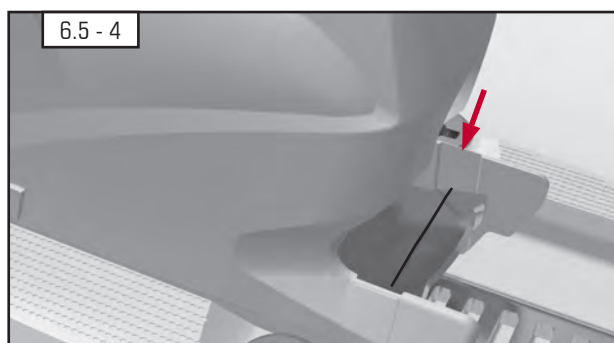
Make sure that you do not exceed the back stop when adjusting the sole length backward !

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.

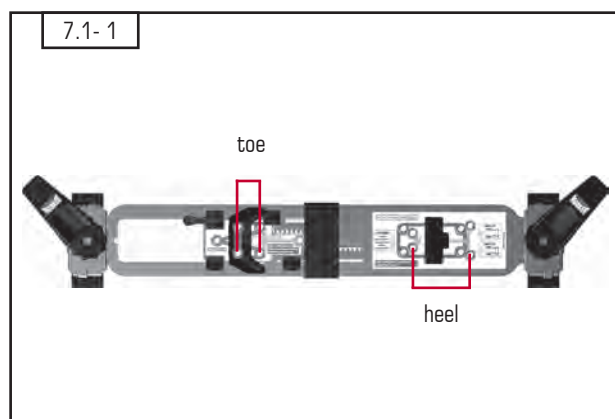
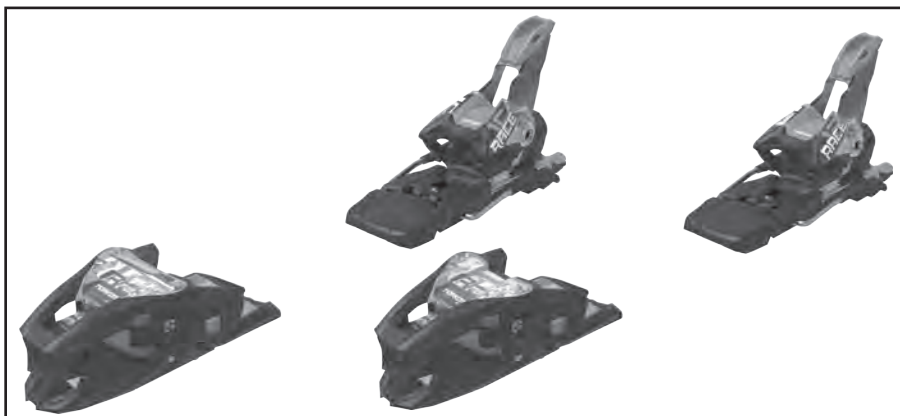
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 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

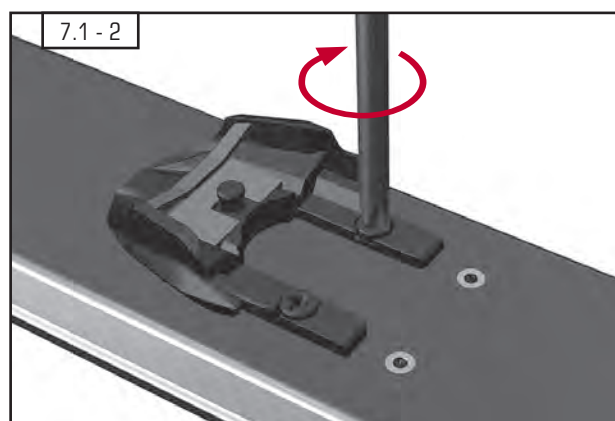
7.1 INSTALLATION OF MARKER RACE XCELL



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

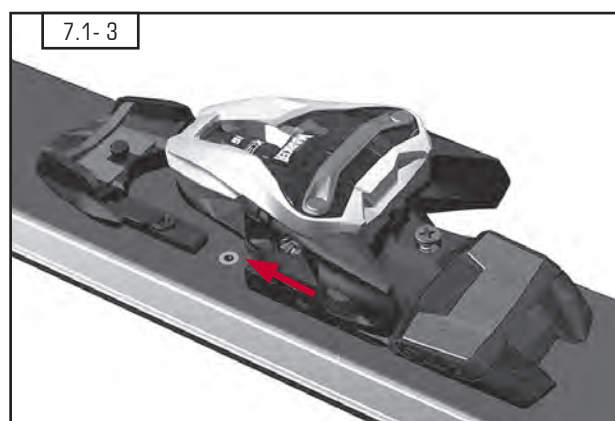
REMARK:

The binding models Race Xcell are designed for the following ISO boot sole standard:

- Alpine ski boots for adults DIN ISO 5355

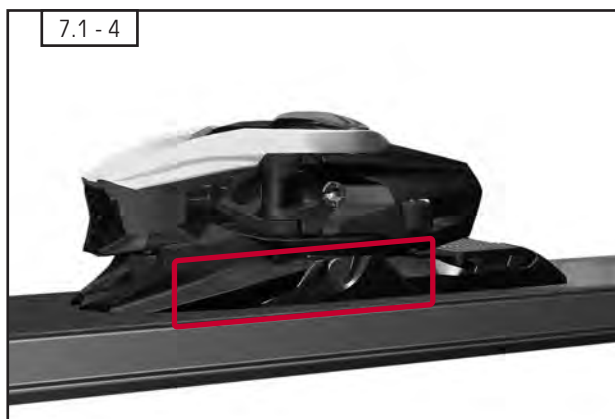
INSTALLING THE TOE:

- Install the front plate with the pre - installed screws in the front holes. Tighten the screws lightly, then firmly. (7.1 - 2)



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

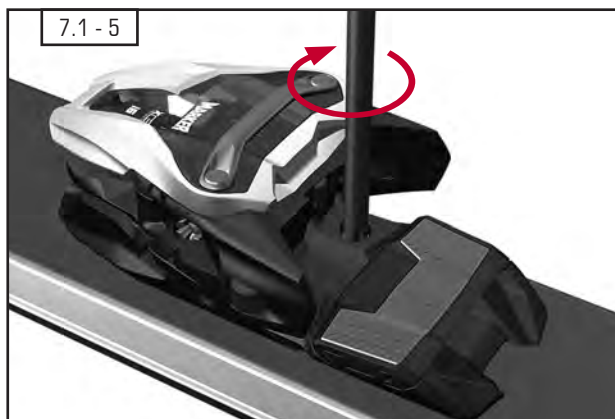
7.1 INSTALLATION OF MARKER RACE XCELL



CAUTION !

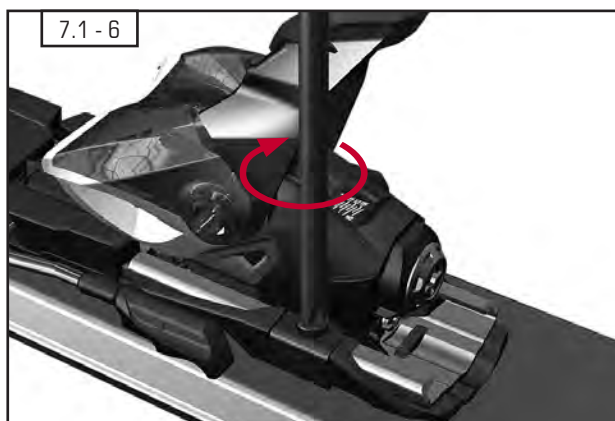
Ensure that the toe is fully and uniformly sliding into the front plate attachments. (7.1 - 4)

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



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.



CAUTION !

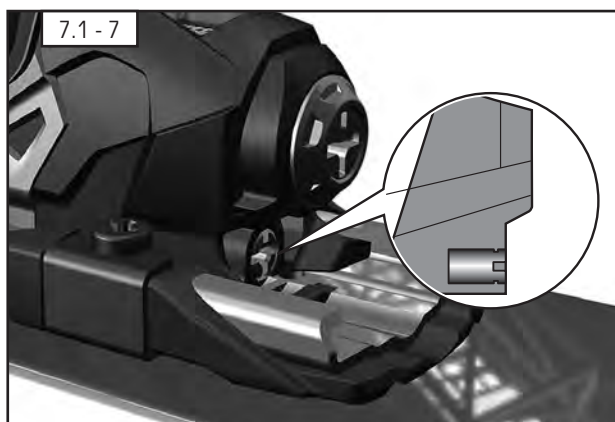
Make sure that you do not exceed the back stop when adjusting the sole length backward !

RELEASE VALUE SELECTION AND ADJUSTMENT:

- Following the correct adjustment for sole length and forward pressure, the release value has to be selected and adjusted.

See RELEASE VALUE SELECTION AND ADJUSTMENT:

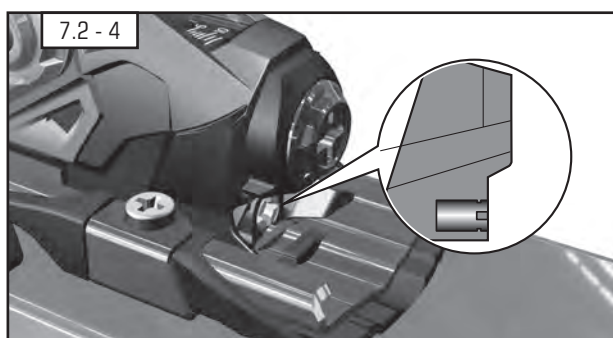
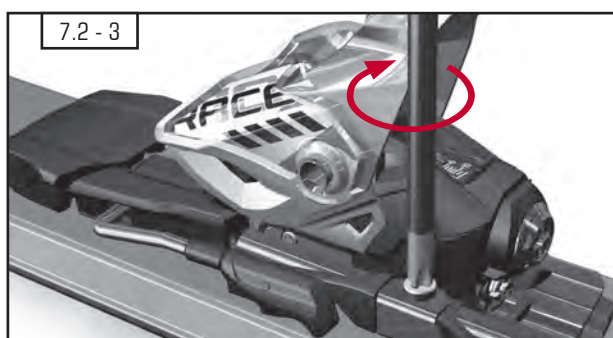
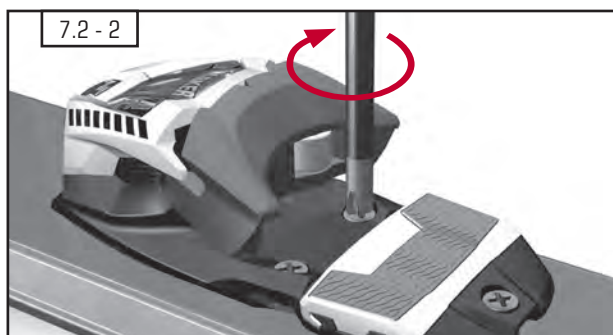
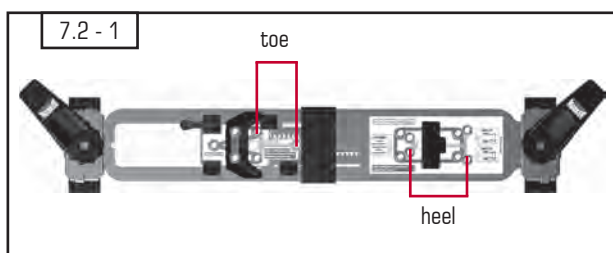
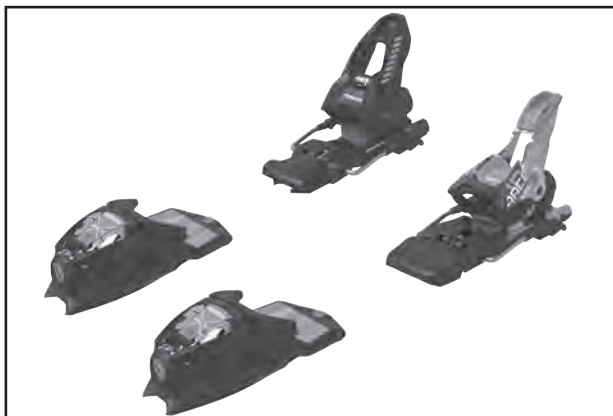
→ 12.1 - 12.3



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 workshop form. → 15.3

7.2 INSTALLATION OF RACE 10 TCX AND RACE 10



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 → 2.3

see DRILLING INSTRUCTIONS → 3.2

REMARK:

The binding models Race 10 TCX and Race 10 are designed for the following ISO boot sole standard:

- Alpine ski boots for Adult DIN ISO 5355

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.

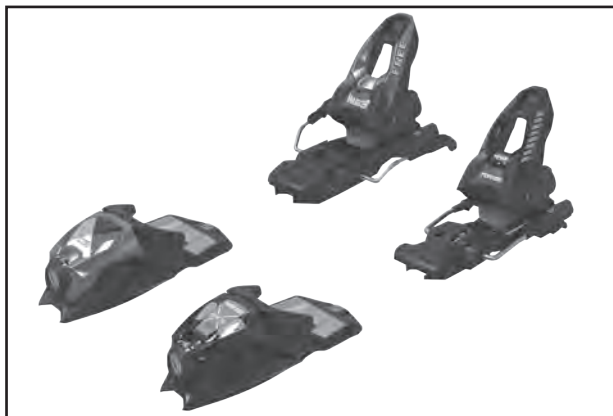
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 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



DRILLING THE ATTACHMENT HOLES:

See ADJUSTMENT OF INSTALLATION TOOLS → 3.2

- Place the MARKER universal installation tool W001G1T or Junior Installation tool W007H1T (7.3 - 1) in the correct position on the ski
- Drill 3 holes for the front plate (toe) through the green marked drill bushings on universal installation tool.
- Drill 4 holes for the heel plate (heel) through the green marked drill bushings on universal installation tool.
- Remove the installation tool from the ski.

REMARK:

see SKI INSPECTION → 2.3

see DRILLING INSTRUCTIONS → 3.2

REMARK:

The binding models Race Junior 8 and Free 8 are designed for the following ISO boot sole standard:

- Alpine ski boots for Junior DIN ISO 5355 type C.

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.

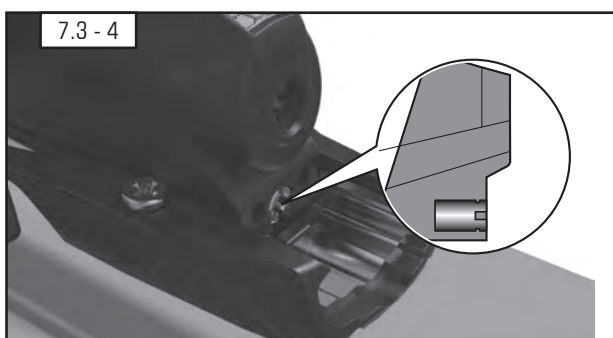
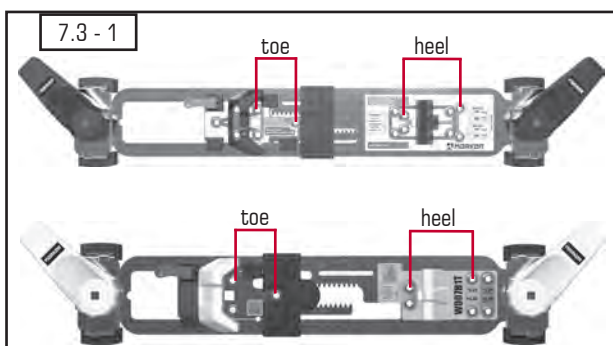
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 12.1 - 12.3

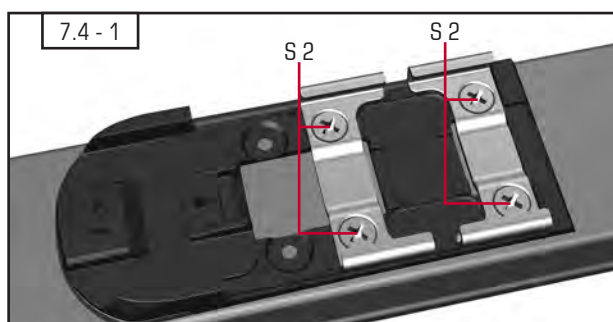
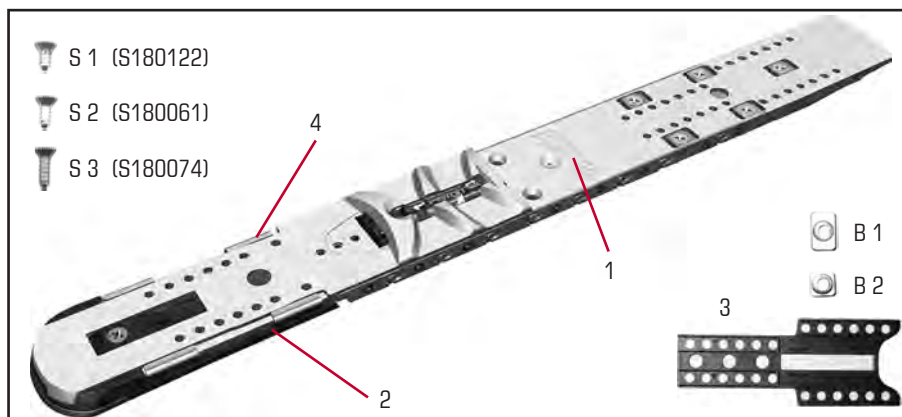


CAUTION !

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

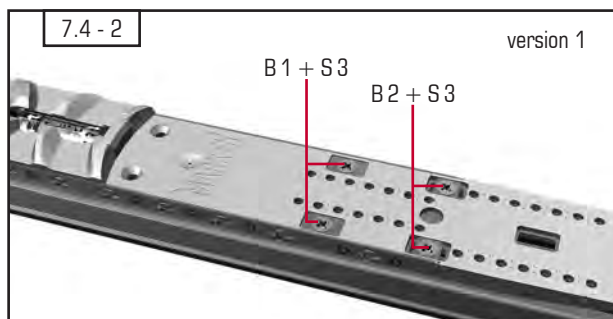


7.4 INSTALLATION OF MARKER WORLD CUP PISTON CONTROL INTERFACE



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:

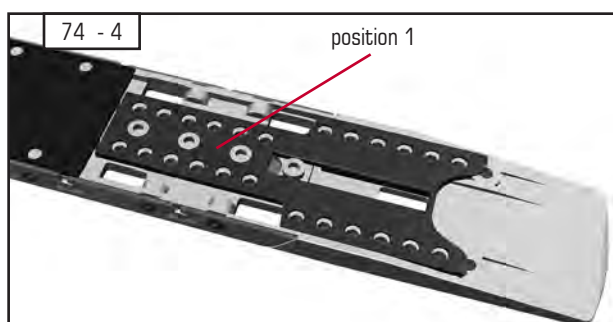
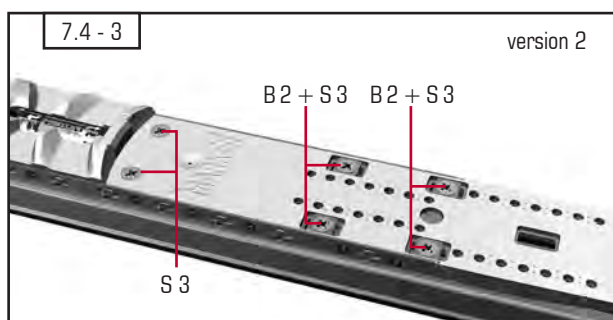
- short position (7.4 - 1)

WCPC plate:

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

or

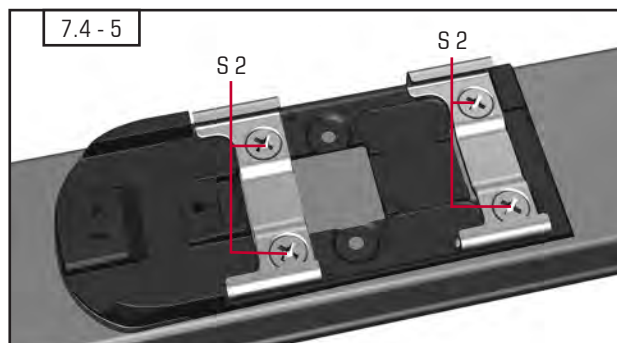
- Version 2:
fixed middle position + 4 gliding heel bushings per plate (7.4 - 3)



Flex element:

- Position 1 (7.4 - 4)

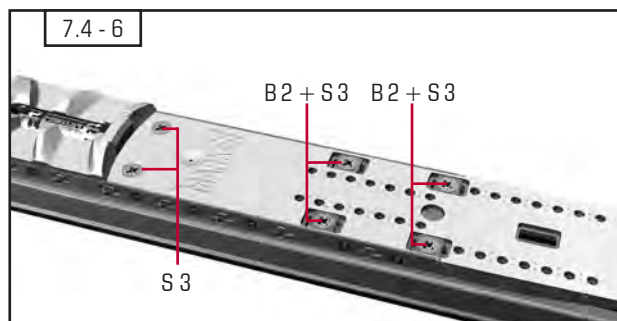
7.4 INSTALLATION OF MARKER WORLD CUP PISTON CONTROL INTERFACE



MOUNTING RECOMMENDATION GS / SG / DH:

Front plate:

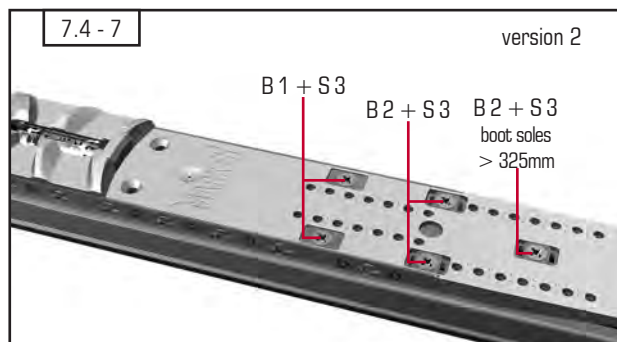
- Long position (7.4 - 5)



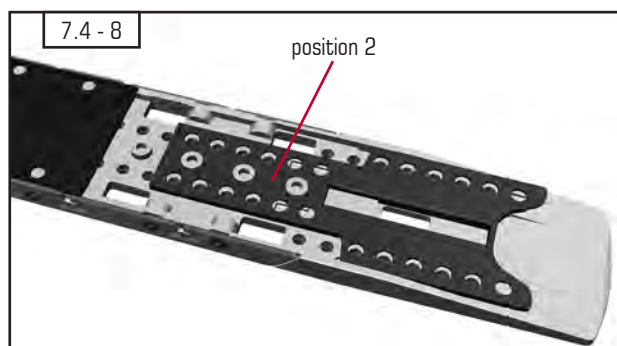
WCPC plate:

- Version 1:
fixed middle position + 4 gliding heel bushings per plate (7.4 - 6)

or



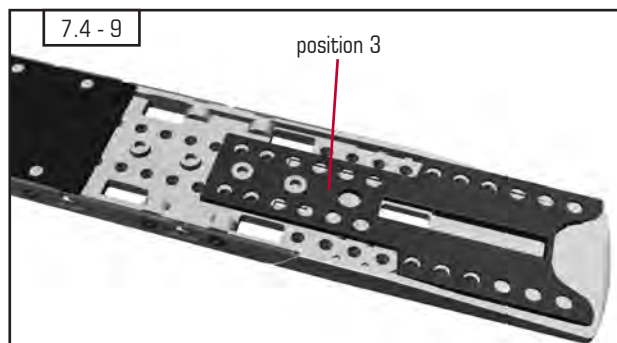
- Version 2:
2 fixed heel bushings + 2 gliding heel bushings per plate (7.4 - 7)
For boot sole lengths larger than 325mm use 1 additional gliding heel bushings per plate in rear. (7.4 - 7)



Flex element:

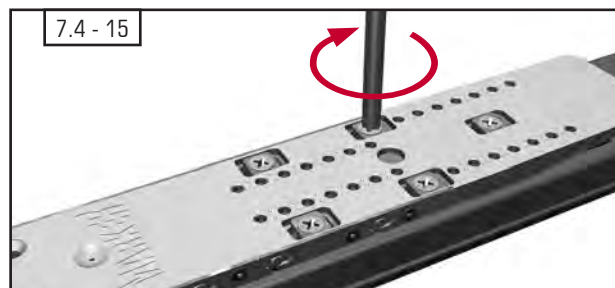
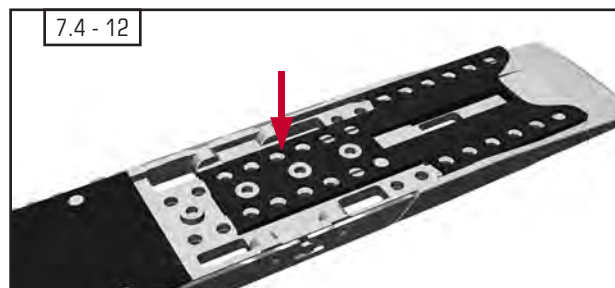
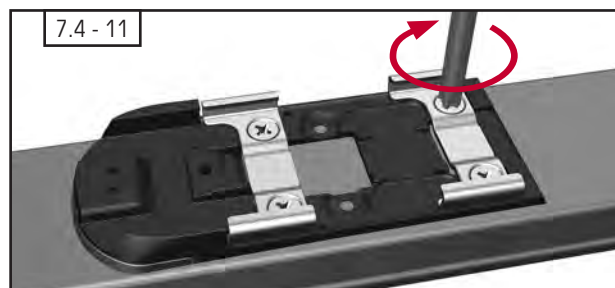
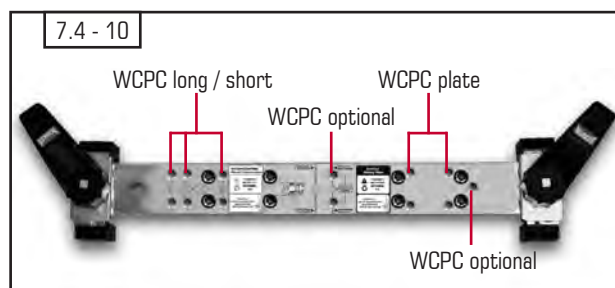
- Position 2 (7.4 - 8)

or



- Position 3 for stiffer flex (7.4 - 9)

7.4 INSTALLATION OF MARKER WORLD CUP PISTON CONTROL INTERFACE



DRILLING THE ATTACHMENT HOLES:

- Place the World Cup Piston Control installation tool 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

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)

INSTALLATION OF THE WORLD CUP PISTON CONTROL PLATE:

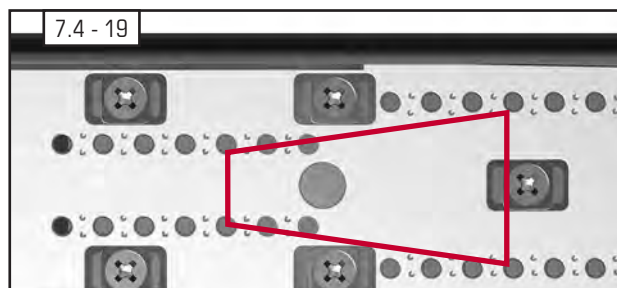
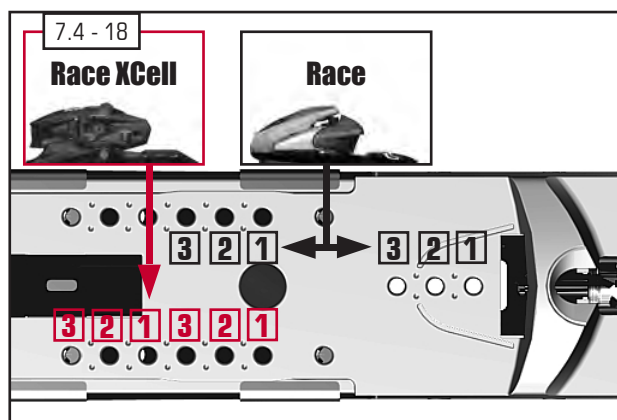
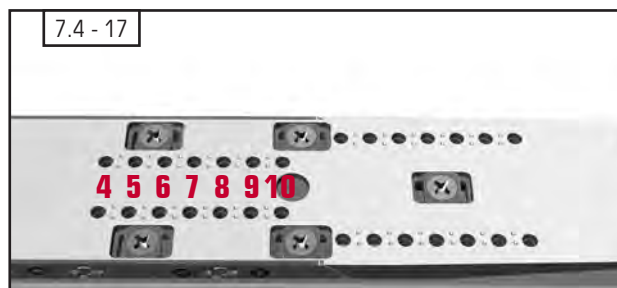
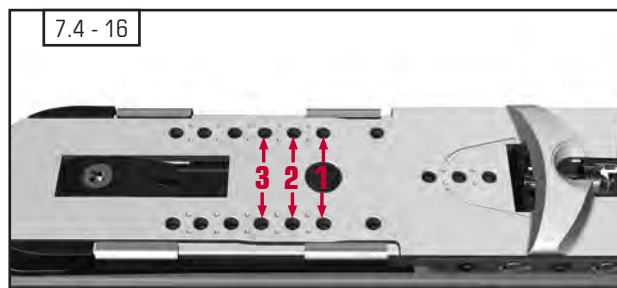
- Insert the Flex element at the chosen position SL or GS / SG / DH. (7.4 - 12)

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

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

- 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



INSTALLATION OF EPS BINDINGS:

REMARK:

See: INSTALLATION OF RACE XCELL AND RACE BINDINGS
→ 7.1 / 7.2

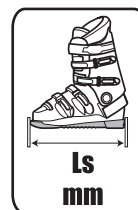
BOOT SIZE BINDING POSITION: (7.4 - 16 and 7.4 - 17)

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 positions numbered in Black.

HEEL: (7.4 - 19)

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

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®"



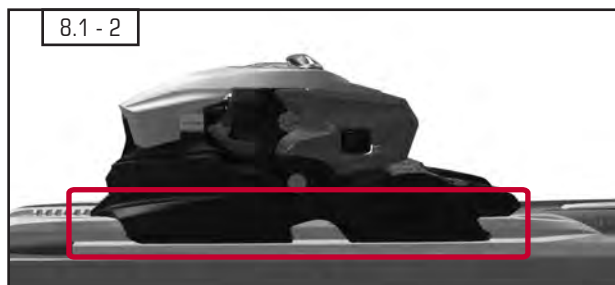
IMPORTANT !

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



INSTALLING THE TOE:

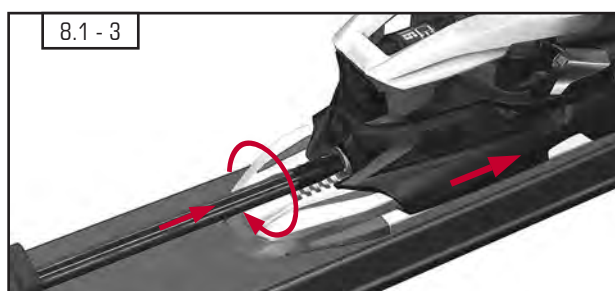
- Slide the toe piece from the front onto the plate. Slide the toe backward until it stops (8.1 - 1).



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)



SOLE LENGTH ADJUSTMENT:

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

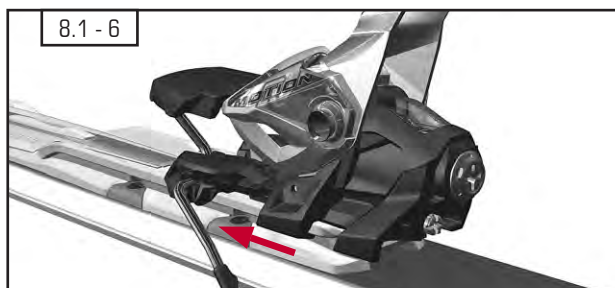


IMPORTANT SAFETY ADVICE !

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

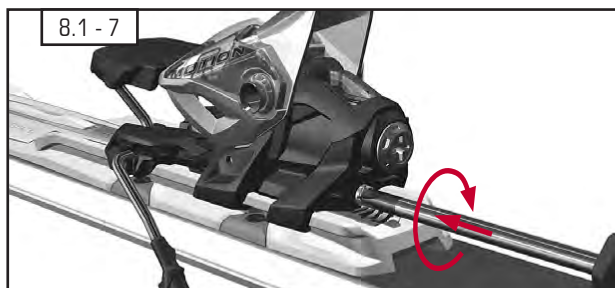


8.1 INSTALLATION OF rMOTION2 GRIPWALK MODELS



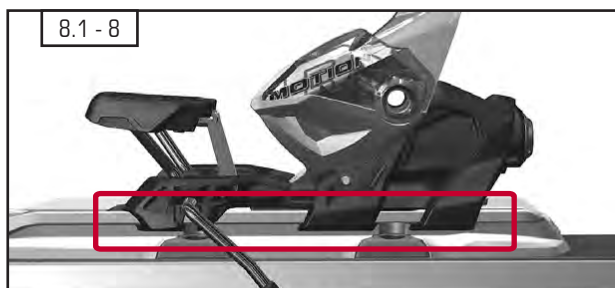
INSTALLING THE HEEL:

- 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).



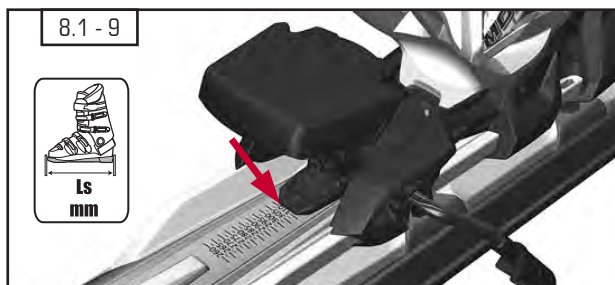
SOLE LENGTH ADJUSTMENT:

- 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.

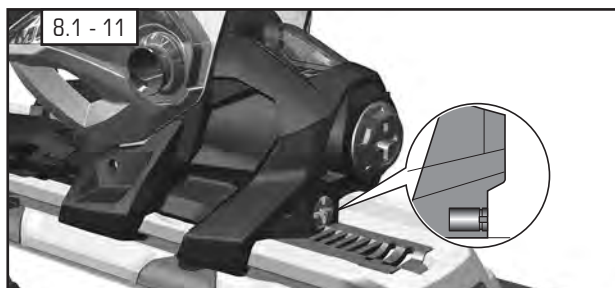
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 12.1 - 12.3

REMARK:

ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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 !

iPT Wideride XL Demo models are designed to mount only in conjunction with VÖLKL skis RTM 86, RTM 84, RTM 81, RTM 81 E and Flair 81 E !

REMARK:

For installation of the binding the sole length has to be adjusted to $L_s = 328 \text{ mm}$.

- 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 !

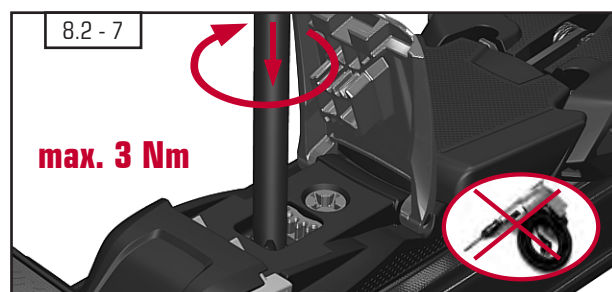
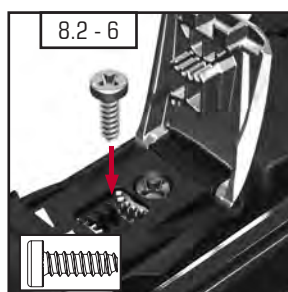
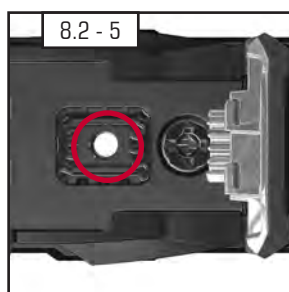
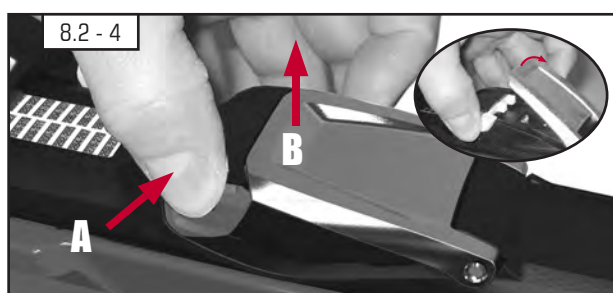
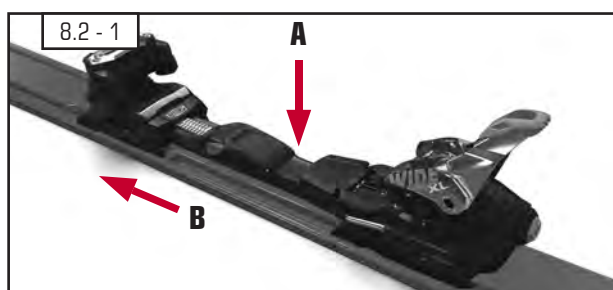
Check that the binding is fully and uniformly installed in the attachments (8.2 - 2 and 8.2 - 3)

- 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)

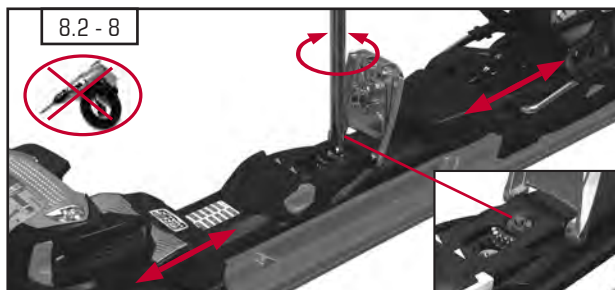


IMPORTANT !

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



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



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

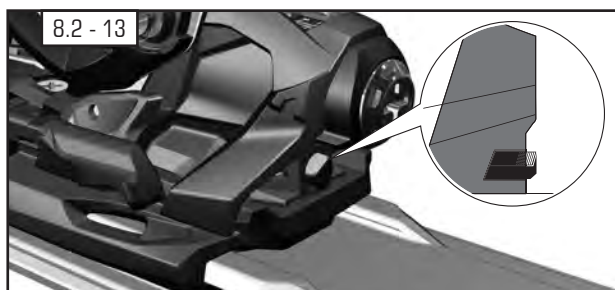
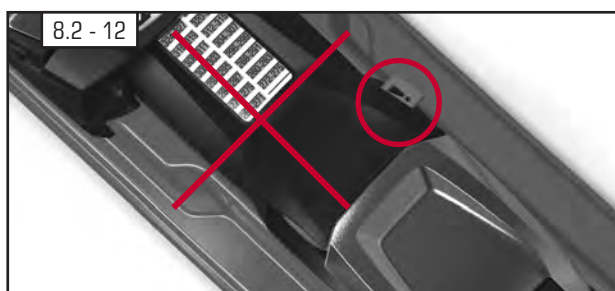
REMARK:

ADJUSTMENT OF DEMO BINDING MODELS:

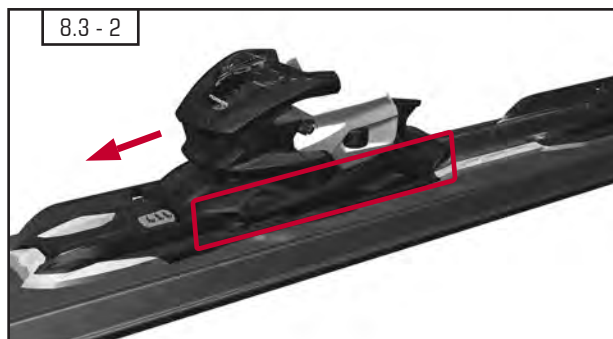
also refer to chapter → 14.6



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



IMPORTANT !

VMotion GRIPWALK bindings are designed to mount only in conjunction with Vökl 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



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.



- 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)



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.



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 → 14.6

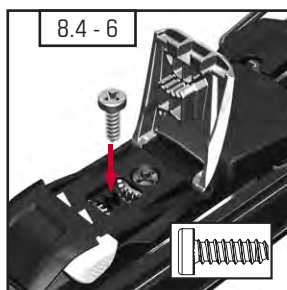
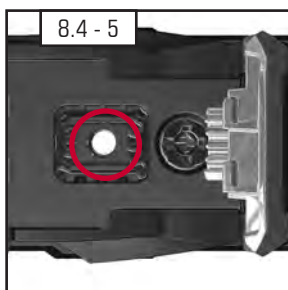
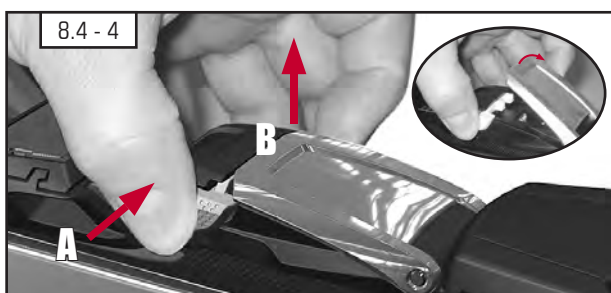
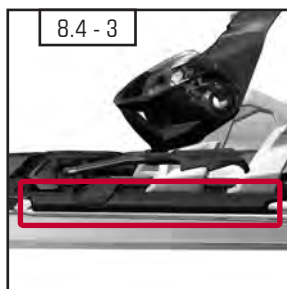
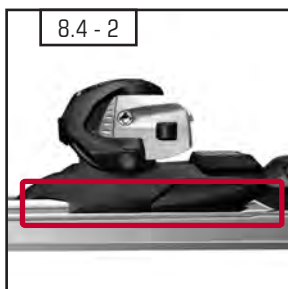
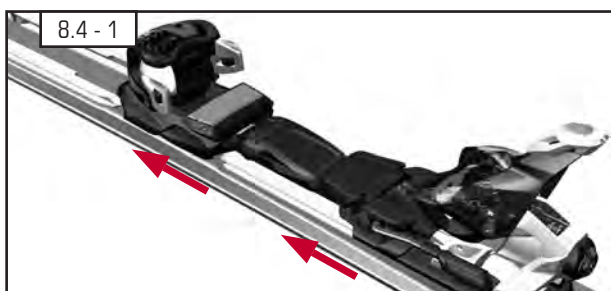


CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier's safety. All key information including the release value must be recorded in the workorder. → 15.3

8.4 INSTALLATION OF 4MOTION XL DEMO



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



IMPORTANT !

4MOTION XL Demo bindings are designed to mount only in conjunction with VÖLKL 4MOTION ski models !

- 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. (8.4 - 1)



CAUTION !

Check that the binding is fully and uniformly installed in the attachments (8.4 - 2 and 8.4 - 3)

- Push the opening block [A], then lift the sole length fixation lever [B]. (8.4 - 4)
- The hole of the middle plate has to be aligned with the bushing of the ski. (8.4 - 5)
- Position the center fixation screw. With light downward pressure, tighten the screw by hand with a maximum torque of 3.0 Nm. (8.4 - 6 and 8.4 - 7)



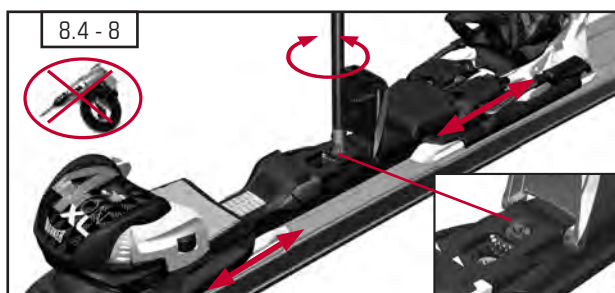
IMPORTANT !

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

SOLE LENGTH ADJUSTMENT:



8.4 INSTALLATION OF 4MOTION XL DEMO



- 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) (8.4 - 8 and 8.4 - 9)

REMARK:

The sole length scale of the 4Motion 10.0 Demo is equipped with an additional color code. This color code corresponds with the Dalbello 4 - factor rental boot code system.



- Lock the system by closing the sole length fixation lever. (8.4 - 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. (8.4 - 11)

The warning symbol on the right side of the opening lever must not be visible ! (8.4 - 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. (8.4 - 13).

If the forward pressure is incorrect: remove the ski boot and readjust 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:

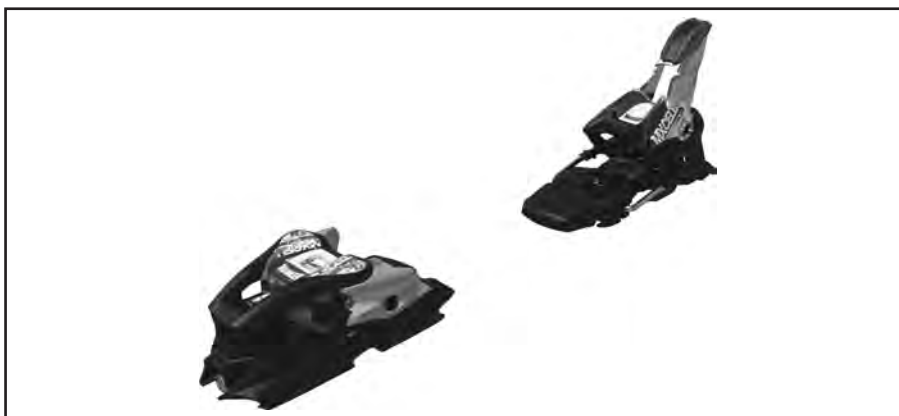
also refer to chapter → 14.6



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 MODELS

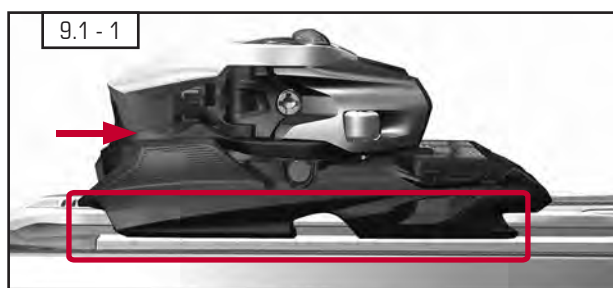


REMARK: these binding models are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.



IMPORTANT !

MXCELL TCx Demo 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.



INSTALLING THE TOE:

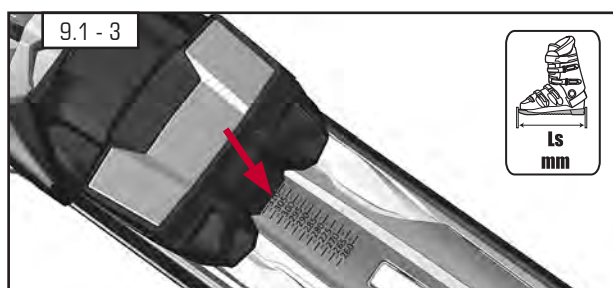
- Slide the toe piece from the front onto the plate. Slide the toe backward until it stops (9.1 - 1).



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)



SOLE LENGTH ADJUSTMENT:

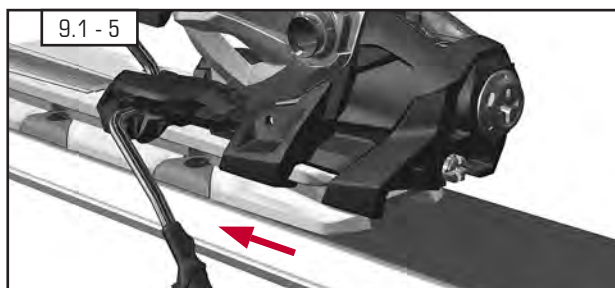
- Adjust the toe to the correct sole length in accordance with the sole length scale. (9.1 - 3)



IMPORTANT SAFETY ADVICE !

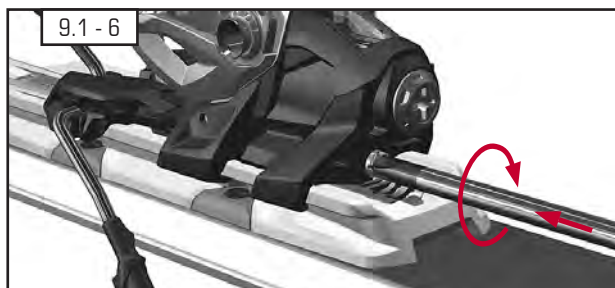
Make sure that you do not exceed the »STOP« marking on the plate when adjusting the sole length in forward direction ! (9.1 - 4)

9.1 INSTALLATION OF MARKER / K 2 MXCELL TCX D MODELS



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).



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).



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)



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.



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.

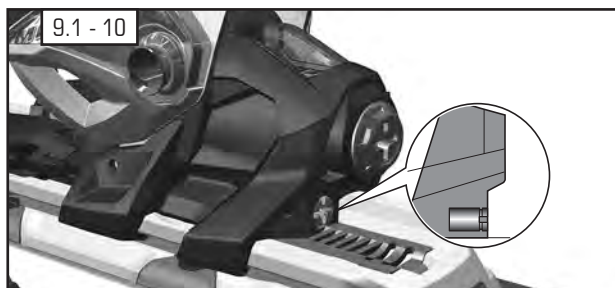
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 12.1 - 12.3

REMARK:

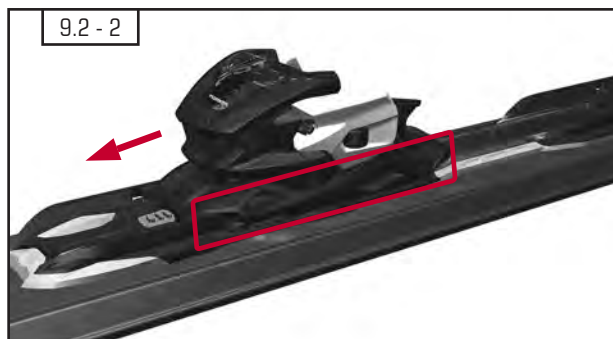
ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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 MODELS



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 QuikClik, MXC TCx QuikClik, MCX TCx light QuikClik, M3 TCx light QuikClik, ERC TCx light QuikClik, M3 QuikClik, ER3 QuikClik, M2 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 QUICKLIK MODELS



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.



- 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)



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.



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:

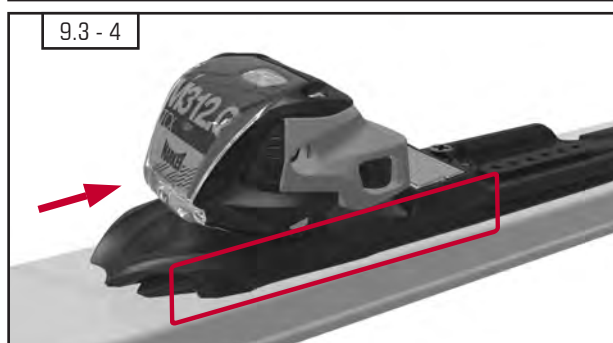
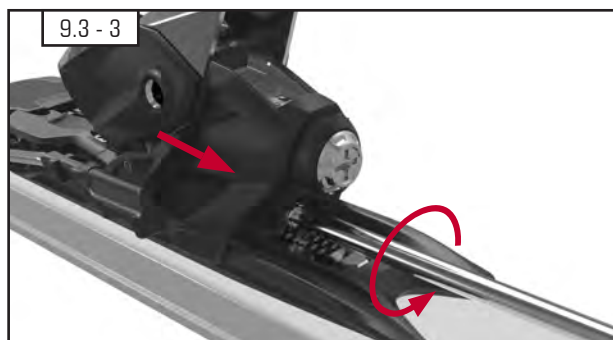
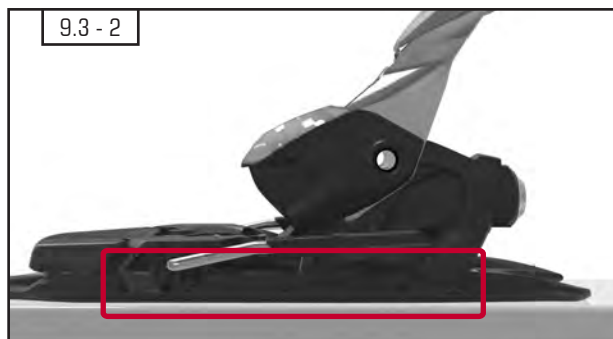
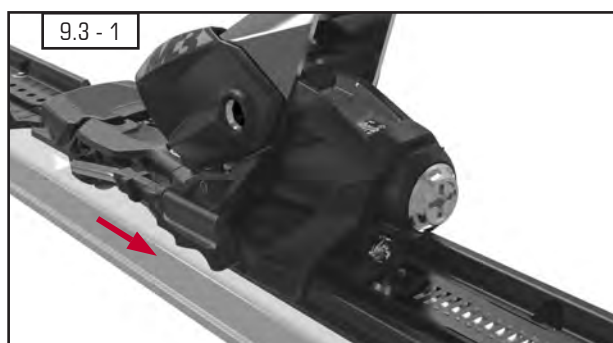
ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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 M3 TCx LIGHT / ER3 TCx LIGHT / M3 / ER3 MODELS

**IMPORTANT !**

M3 TCx light / M3 / ER3 TCx light and ER3 bindings are designed to mount only in conjunction with K 2 M3 / ER3 skis.

The suitable ski models are listed on the set label or can be requested from K 2.

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

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)

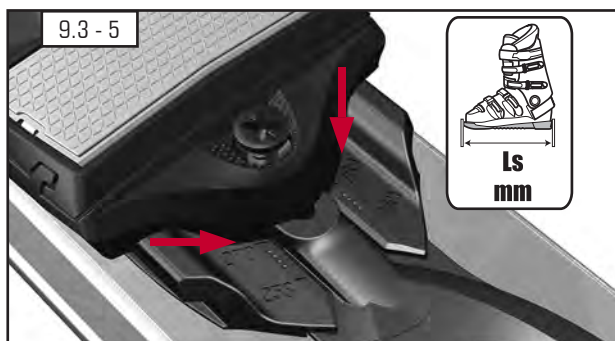
INSTALLING THE TOE:

- 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 M3 TCx LIGHT / ER3 TCx LIGHT / M3 / ER3 MODELS



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).



- 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)



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.



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.

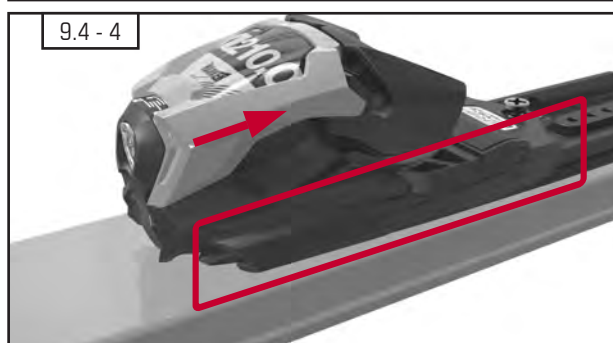
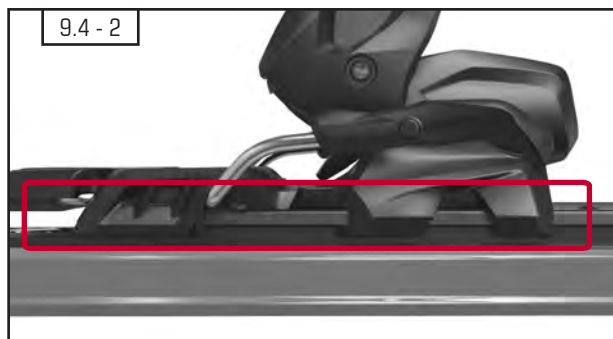
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 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

9.4 INSTALLATION OF M2 / ERP MODELS

**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. (9.4 - 1)

**CAUTION !**

Make sure that the spacer rails engage both sides of the base plate properly. (9.4 - 2)

- Move the heel backwards by turning the forward pressure adjustment screw. (9.4 - 3)

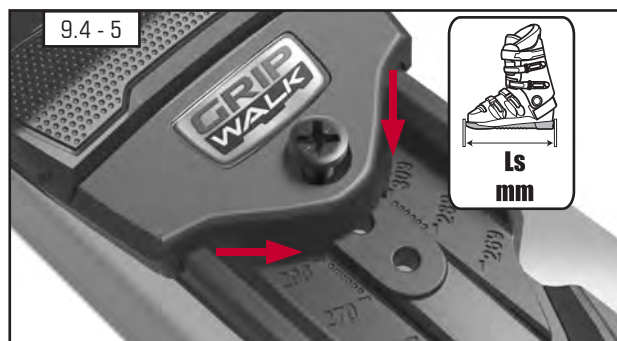
INSTALLING THE TOE:

- 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. (9.4 - 4)

**CAUTION !**

Make sure that the spacer rails engage both sides of the base plate properly. (9.4 - 4)

9.4 INSTALLATION OF M2 / ERP MODELS



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. (9.4 - 5).



- Tighten the fixing screws by hand with a torque of 5.0 ± 0.5 Nm. (9.4 - 6)

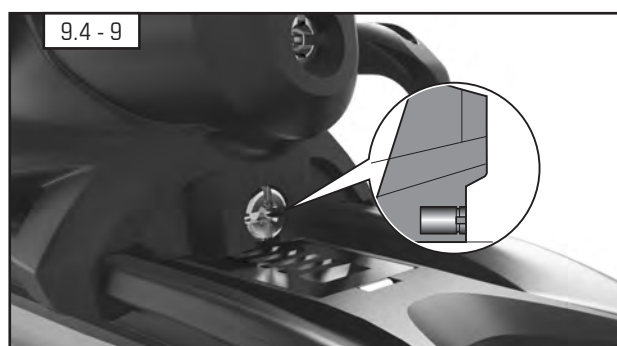


- Screw the heel backward to the correct sole length in accordance with the sole length scale. Indicator: left back edge of the heel housing. (9.4 - 7 / 9.4 - 8)



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. (9.4 - 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.



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.

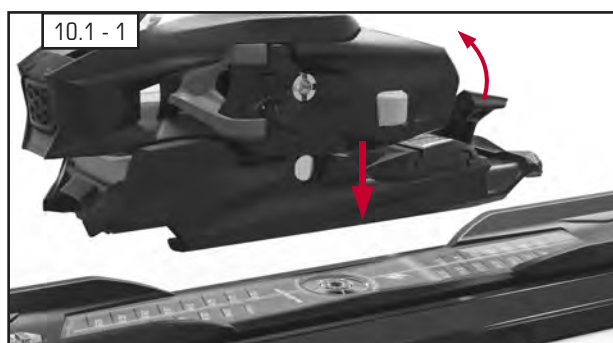
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 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

10.1 INSTALLATION OF XCELL DEMO, TLX DEMO, TCX DEMO, TP DEMO & TLT DEMO



IMPORTANT !

Xcell Demo, TLX Demo, TCX Demo, TLT Demo and TP 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, TLX Demo, TCX Demo, TLT Demo and TP 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. (10.1 - 1 & 10.1 - 2)

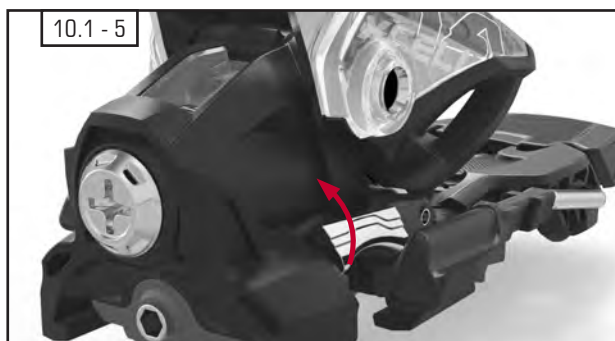


CAUTION !

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. (10.1 - 3)
- Close the toe locking lever. (10.1 - 4)

10.1 INSTALLATION OF XCELL DEMO, TLX DEMO, TCX DEMO, TP DEMO & TLT DEMO



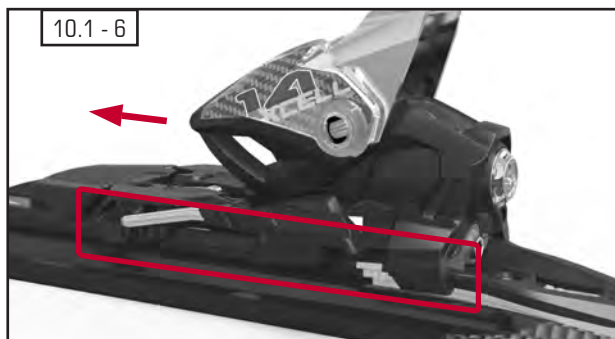
INSTALLING THE HEEL:

- 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)

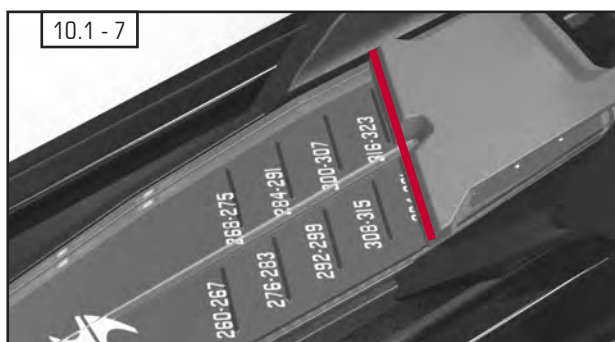


CAUTION !

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

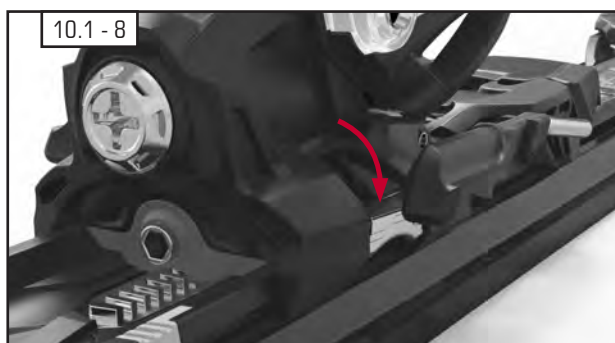


- Slide the heel to the correct sole length in accordance with the rear sole length scale. (10.1 - 7)
- Close the heel locking lever. (10.1 - 8)



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:

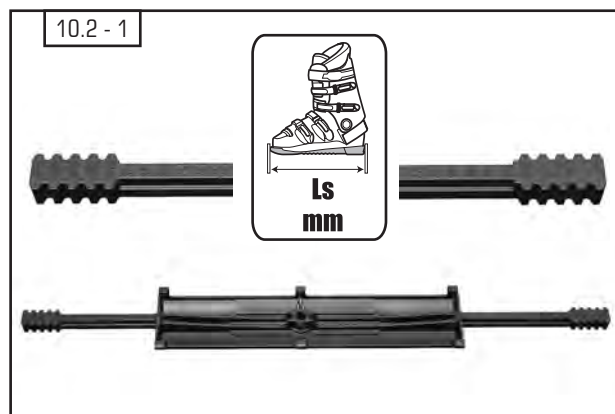
ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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

10.2 INSTALLATION OF IQ TP MODELS

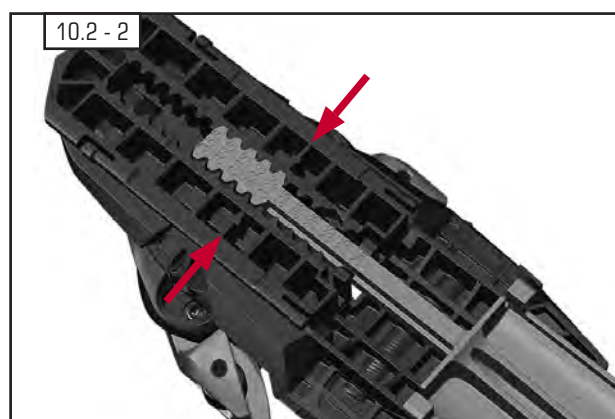
**IMPORTANT !**

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.

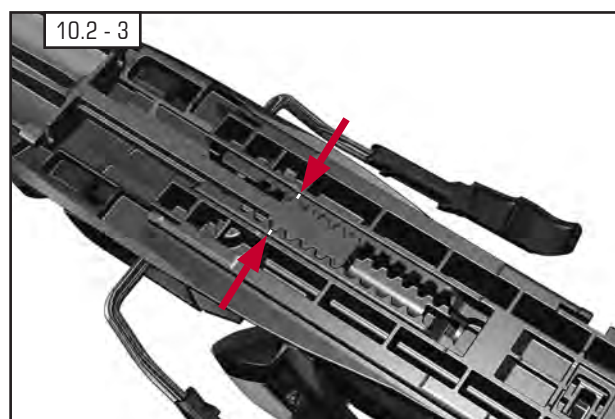
SOLE LENGTH ADJUSTMENT:

- Determine the correct sole length in mm. Choose the corresponding sole length value on the bottom side of the middle plate. (10.2 - 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. (10.2 - 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 (10.2 - 3). Make sure that the middle plate is engaged properly.

10.2 INSTALLATION OF IQ TP MODELS



INSTALLING THE BINDING:

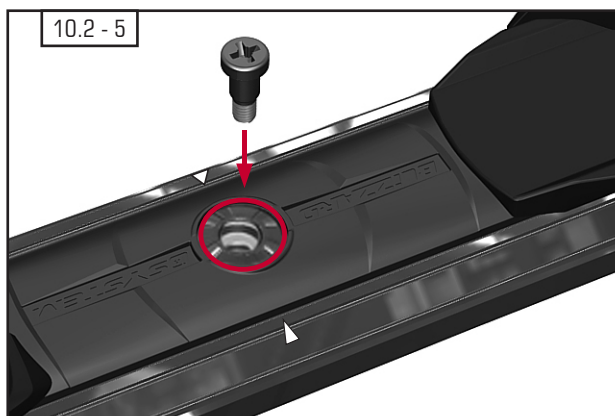
- Slide the complete binding with pre - installed toe and heel onto the IQ interface rail starting from the ski tail. (10.2 - 4)



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. (10.2 - 5)

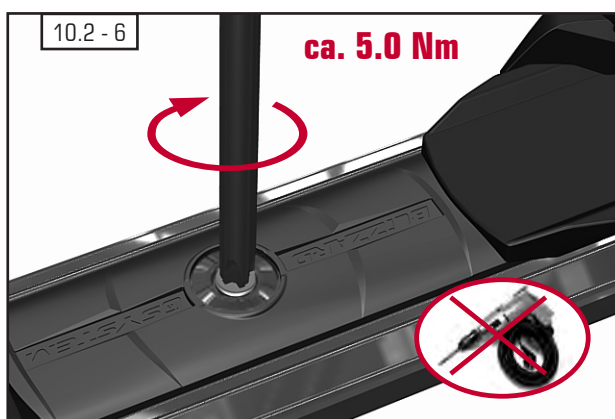


- Tighten the center fixing screw by hand with a torque of ca. 5.0 Nm. (10.2 - 6)



CAUTION !

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



CHECK FORWARD PRESSURE:

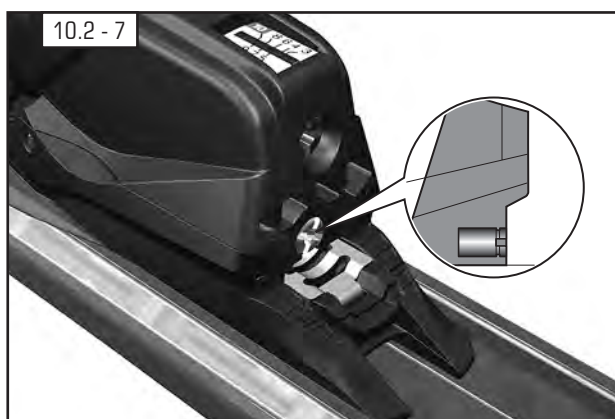
- Place the ski boot into the binding, close the binding.
- Check if the forward pressure adjustment screw is flush with the back of the heel housing. If this adjustment is incorrect, turn the screw until it is flush with the back of the housing (10.2 - 7)
- Remove the ski boot, then re - insert and 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:

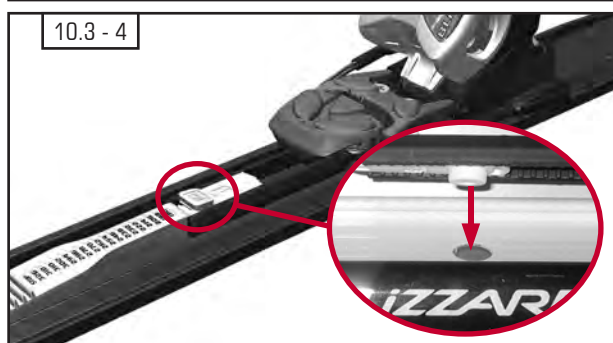
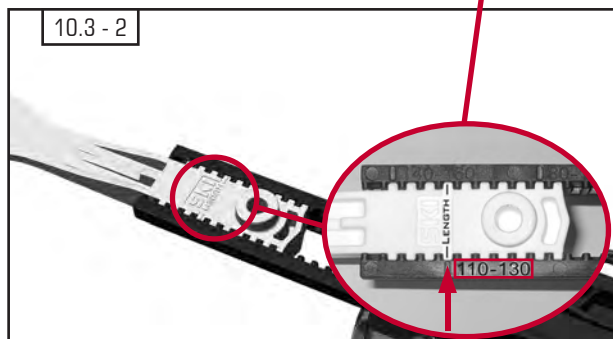
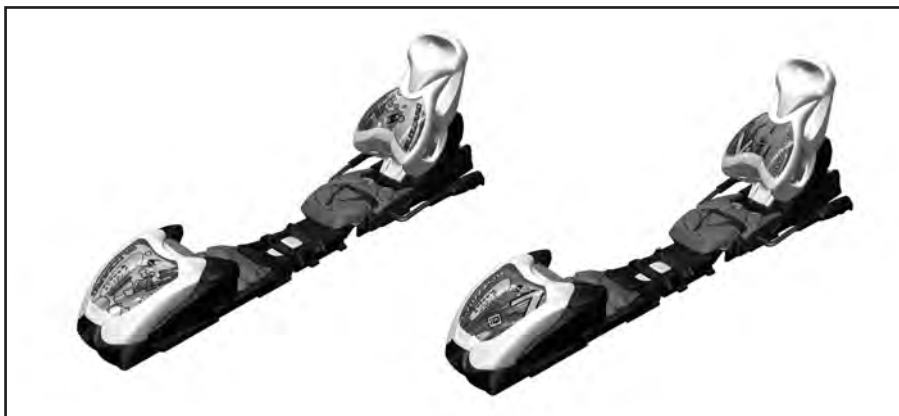
→ 12.1 - 12.3



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

10.3 INSTALLATION OF IQ JUNIOR MODELS



IMPORTANT !

Blizzard IQ 4.5 and IQ 7 models are designed to mount only in conjunction with Blizzard IQ Junior skis. The suitable ski models are listed on the set label or can be requested from Blizzard.



IMPORTANT !

IQ Junior binding models are designed for Junior & Adult boots with sole lengths from 135 mm to 325 mm.

INSTALLING THE BINDING:

- Determine the ski length. (10.3 - 1)
- Choose the corresponding ski length value on the bottom side of the white middle plate and connect the middle plate with the heel rack at the determined position. (10.3 - 2)
- Slide the premounted heel onto the IQ interface starting from the ski tip. (10.3 - 3)
- Slide the heel backward until the plug on the bottom side of the white middleplate engages the central bore hole of the ski. (10.3 - 4)

10.3 INSTALLATION OF IQ JUNIOR MODELS



- Slide the locking device onto the IQ interface starting from the ski tip and move it backward until the symbol „unlocked“ is visible in the cutout. (10.3 - 5 / 10.3 - 6)
- Determine the sole length in mm.
- Slide the toe onto the IQ interface starting from the ski tip. Adjust to the correct sole length by shifting the toe to the corresponding marking on the scale. (10.3 - 7)

**IMPORTANT !**

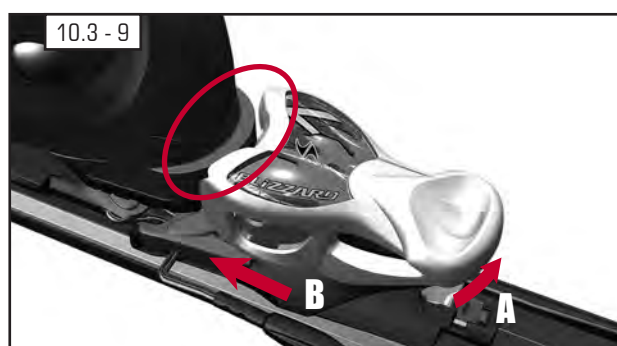
IQ Junior bindings adjust in 4 mm increments. For all sole lengths different from the scale on the plate always round up or down to the nearest size.



- Lock the system by moving the locking device forward until the interlocking snaps into place. (10.3 - 8)
- Install the boot in the binding, lift the forward pressure lever and slide the heel until the position of the heel is correct. (10.3 - 9) Latch the forward pressure lever by locking it down until it is fixed.

**CAUTION !**

Ensure that the lever is engaged properly !

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.
If the forward pressure is incorrect: remove the ski boot, lift the lever and move the heel until the forward pressure is correct. (10.3 - 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:

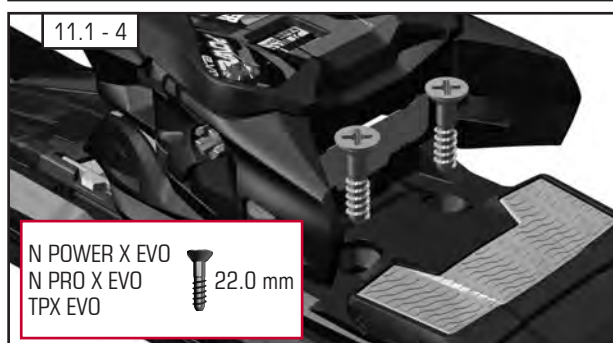
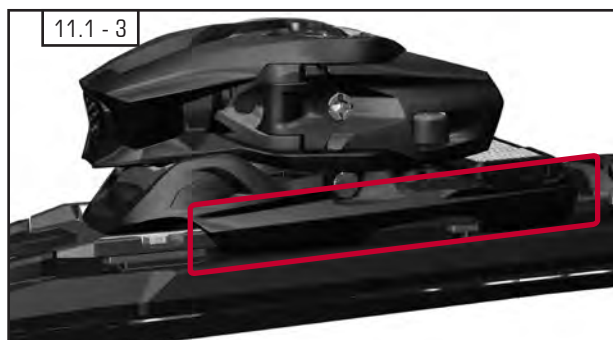
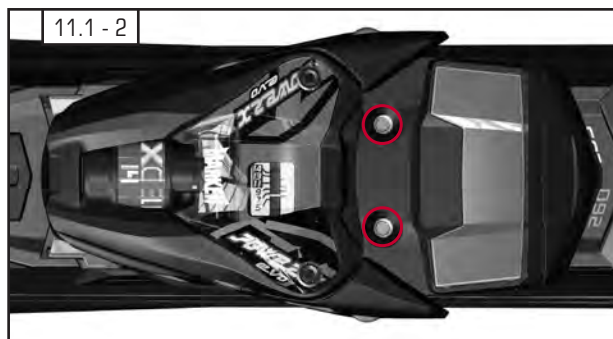
→ 12.1 - 12.3



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 N POWER X EVO, N PRO X EVO & TPX EVO MODELS



N POWER X EVO
N PRO X EVO
TPX EVO



IMPORTANT !

Nordica N POWER X EVO, N PRO X EVO and TPX EVO models are designed to mount only in conjunction with NORDICA EVO skis.

The suitable ski models are listed on the set label or can be requested from Nordica.

REMARK:

The binding models N POWER X EVO and N PRO X EVO (A) are designed for use only with Alpine ski boots for adults DIN ISO 5355 type A.

REMARK:

The binding models TPX EVO GRIPWALK (B) 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:

- Slide the toe onto the premounted plate, starting from the front. (11.1 - 1)
- Slide the toe backward until the holes of the toespacer are aligned with the holes of the front plate (11.1 - 2).



CAUTION !

Ensure that the spacer rails engage both sides of the base plate properly. (11.1 - 3)

- Install the fixing screws. (11.1 - 4)

11.1 INSTALLATION OF N POWER X EVO, N PRO X EVO & TPX EVO MODELS



- Tighten the fixing screws by hand with a maximum torque of $4.0 \pm 0.2 \text{ Nm}$ (11.1 - 5).



INSTALLING THE HEEL:

- Insert the heel from the rear of the plate (11.1 - 6).



- Slide the heel forward until the hole of the forward pressure indicator is aligned with the hole of the heel plate. (11.1 - 7)



CAUTION !

Ensure that the spacer rails engage both sides of the base plate properly. (11.1 - 8)



- Tighten the fixing screws by hand with a maximum torque of $4.0 \pm 0.2 \text{ Nm}$ (11.1 - 9).



SOLE LENGTH ADJUSTMENT:

- The system can be adjusted to a particular sole length by a central adjusting dial.
- Lift the handle located on the adjustment mechanism (11.1 - 10).

11.1 INSTALLATION OF N POWER X EVO, N PRO X EVO & TPX EVO MODELS



- Adjust the sole length by rotating the handle. Depending on the sole length the rear toe plate edges point to the scale on the left or the right side. (9.1 - 11)



IMPORTANT !

The bindings adjust in 5 mm increments. For all sole lengths different from the scale on the plate, always round up to the nearest size. (e.g.: boot sole length = 302, adjust 305 on the scale)



- The two printed arrows on the central adjusting dial correspond with the scales placed on the left and right side of the plate system. If the adjusted sole length is located on the (white printed) right side of the scale, the white arrow on the dial has to point to the front. (11.1 - 12)



If the adjusted sole length is located on the (red printed) left side of the scale, the red arrow on the dial has to point to the front. (11.1 - 13)



- Lock the system by closing the handle. (The handle can only be closed in 2 positions, parallel to the ski edges). (11.1 - 14, 11.1 - 15 and 11.1 - 16).



11.1 INSTALLATION OF N POWER X EVO, N PRO X EVO & TPX EVO MODELS



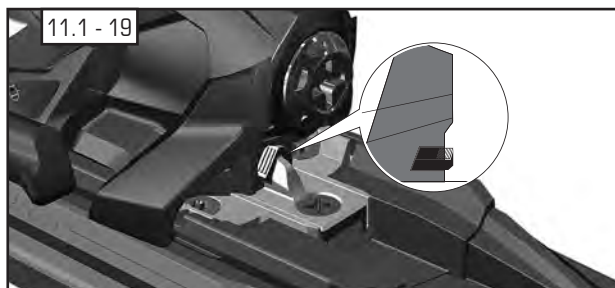
CAUTION !

Ensure that the handle is closed properly
(11.1 - 17)

CHECK FORWARD PRESSURE:



- Place the ski boot into the binding, close the binding.
(11.1 - 18)
- 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.
(11.1 - 19).
If the forward pressure is incorrect: remove the ski boot and readjust 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 → 14.6

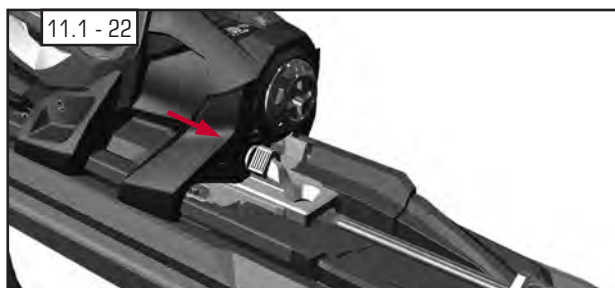


CAUTION ! The release value selection and adjustment has to be done very accurately to care for the skier's safety. All key information including the release value must be recorded in the workorder. → 15.3



REMOVE THE HEEL FROM THE SYSTEM:

- Remove the heel fixing screw. (11.1 - 20)
- Lift the forward pressure indicator with a small screwdriver out of the catch mechanism. (11.1 - 21)
- Slide the heel rearwards from the plate. (11.1 - 22)



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.

→ 15.3

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 release value at the binding.

SKIER CLASSIFICATION:

The following descriptions should enable skiers to classify themselves and their skier type in accordance with ISO 11088. → 16.8

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 III accept a narrower margin of release in order to gain a wider margin of retention.

Type III classification is not recommended for skiers with a weight of 47lbs. or less (code A - C).

In this case classify the skier to Type II.

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 Lean. 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 – P 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, choose the higher row up the chart.
- 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 and older, or age 9 and younger, 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: 5' 6"
- ▶ 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 and older, or age 9 and younger, move up the chart one row = row L
- ▶ Column sole length 311 - 330 mm
- ▶ Result: release value 6.00

12.1 - 1 ADJUSTMENT CHART →



2017/2018 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					TORQUE RANGE newton meters Reference Value R Inspection Range In - Use Range 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 29 lbs and under, no further correction is appropriate.
- 2) For skiers 38 lbs and under, skier Type » - I « is inappropriate.

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

Adjustments could be necessary in order to make the measured Twist and Forward Lean values coincide with the selected individual Twist and Forward Lean values within the limits stated in this table.

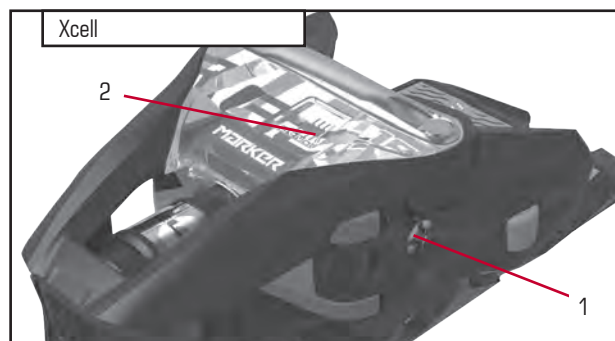
12.2 RELEASE VALUE SELECTION AND ADJUSTMENT



BINDING RELEASE FORCE ADJUSTMENT SCREWS AND RELEASE VALUE INDICATOR SCALES

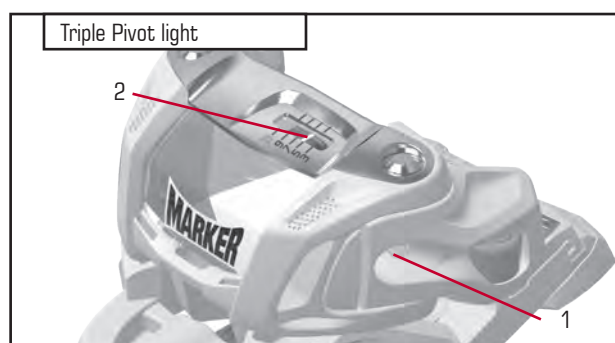
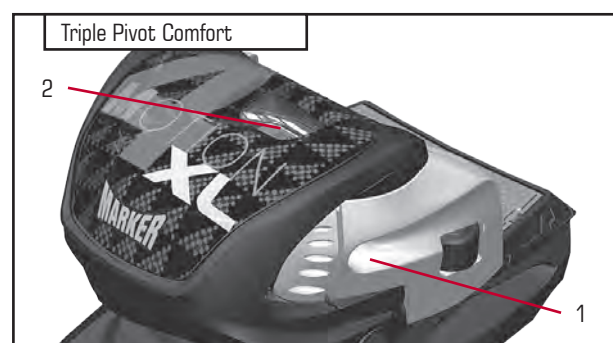
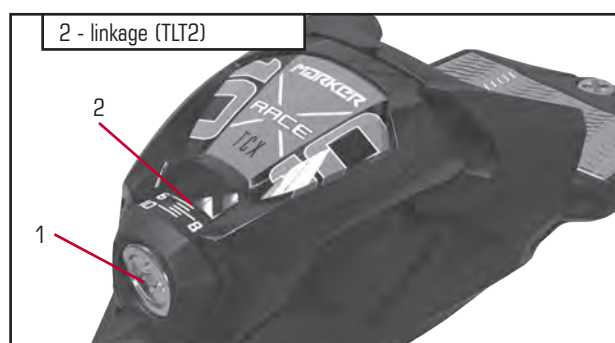
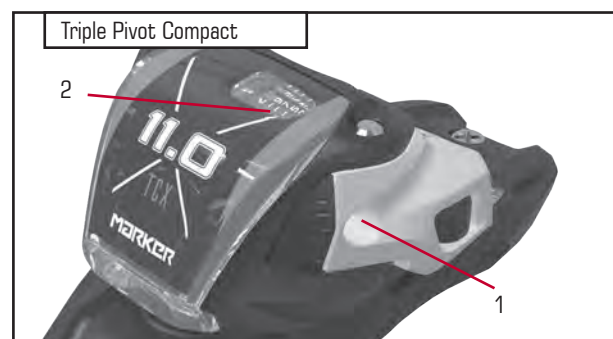
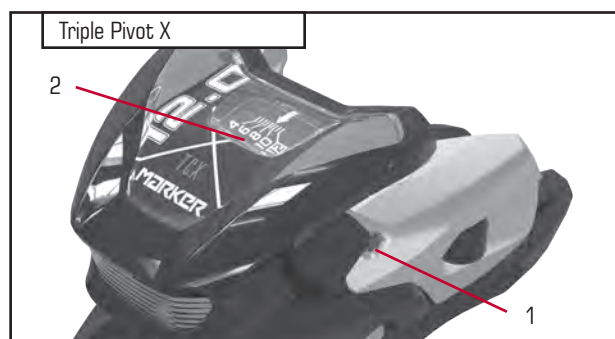
REMARK:

MARKER recommends adjustment with a Pozidriv® 3 screwdriver.

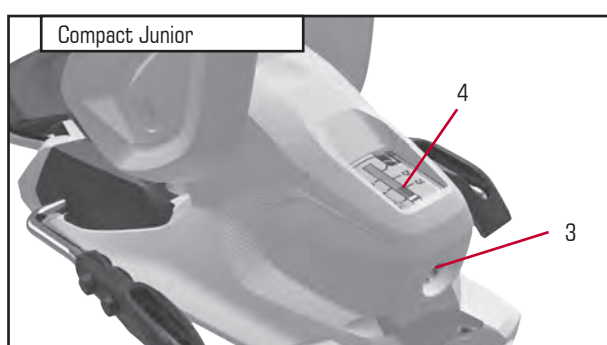
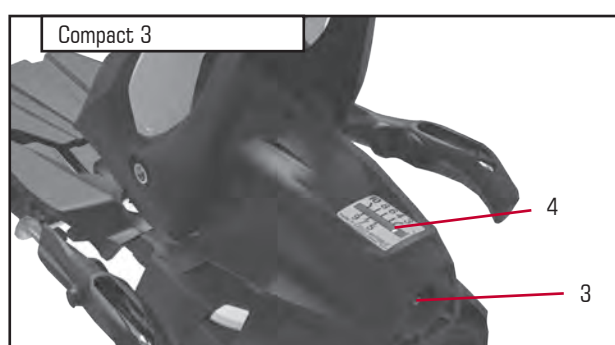
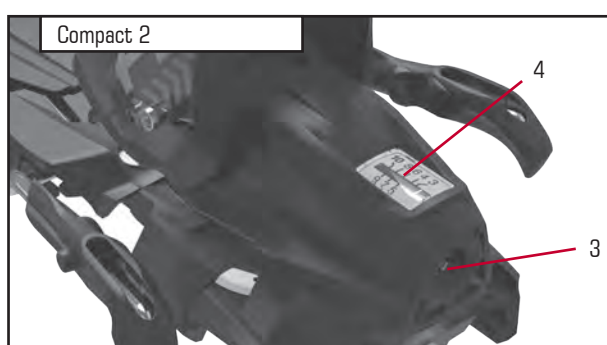
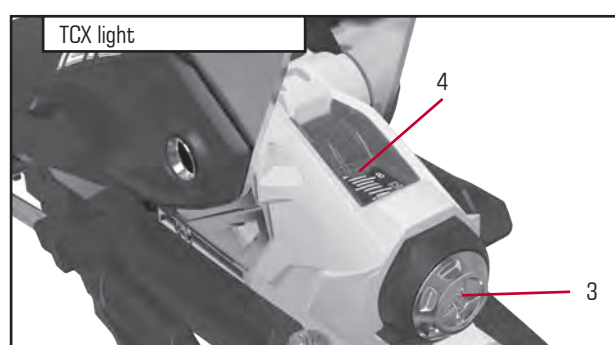
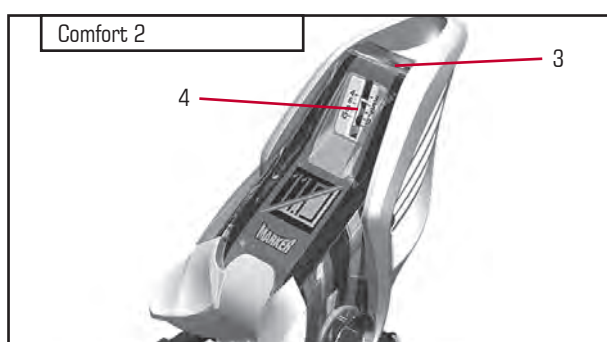
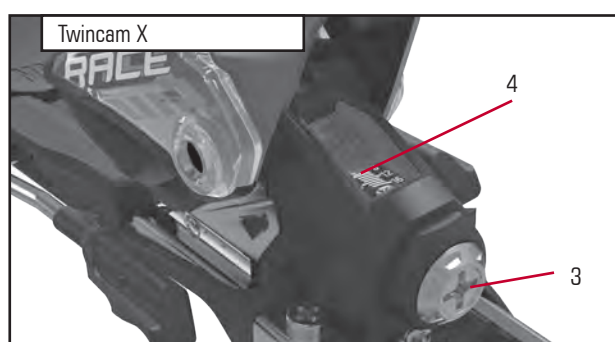
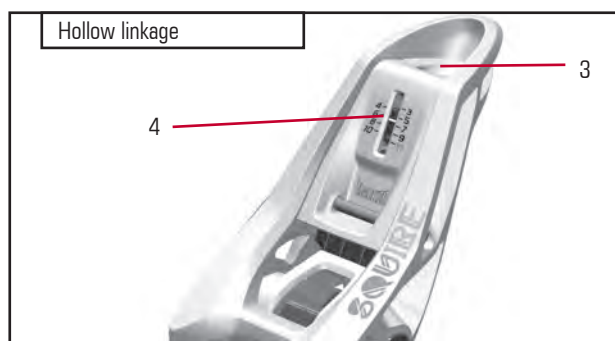
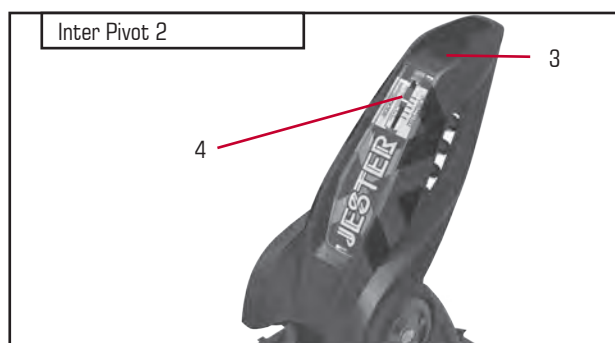


ADJUSTMENT SCREW AND INDICATOR SCALE ON THE TOE

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



12.2 RELEASE VALUE SELECTION AND ADJUSTMENT



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)

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 $\pm 15\%$ 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 $\pm 30\%$ 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 SETTING
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 TROUBLESHOOTING

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 the Binding Inspection and Boot Inspection sections.
→ 2.2 2.4



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.
- Check the boot sole type and confirm the binding is compatible.

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 SOLE HOLDER:

- Check that the forward pressure is not too low.
- Check for lubricant on boot or sole holder. 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 → **16.2**

13.5 REPLACING SKI BRAKES

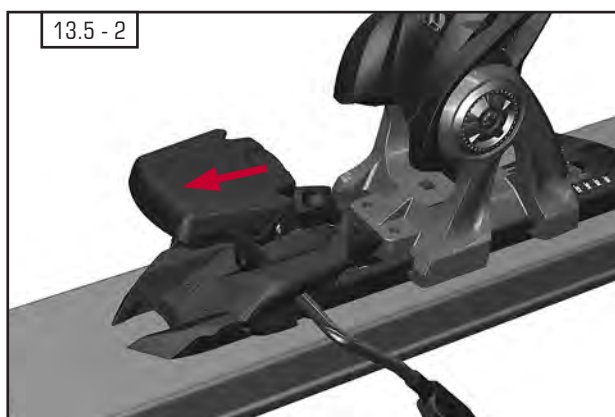


REPLACING THE SKI BRAKES INTER - PIVOT AND TOUR / SQUIRE:

DEMOUNT THE SKI BRAKE:

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

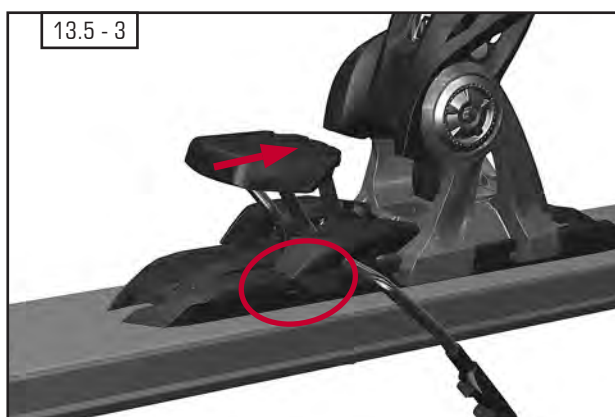
- Pull the ski brake forward to remove. (13.5 - 2)



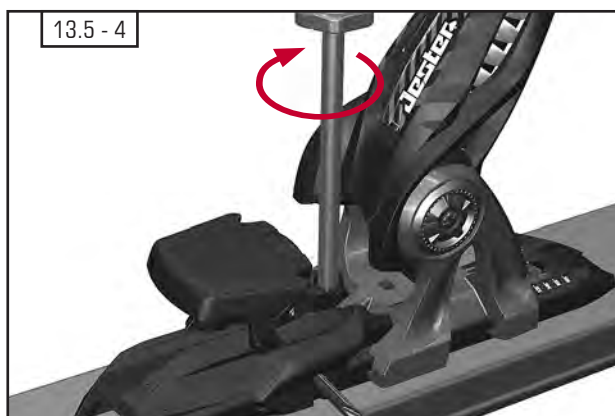
INSTALL THE NEW SKI BRAKE:

- 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)



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

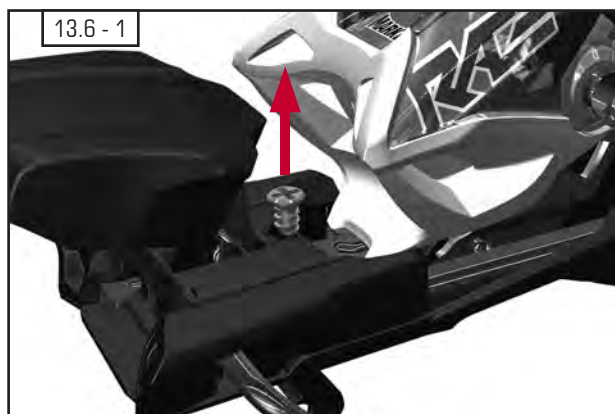


REMARK:

The wide ski brakes are replaceable in the same manner.

see BRAKE CHART → 16.2

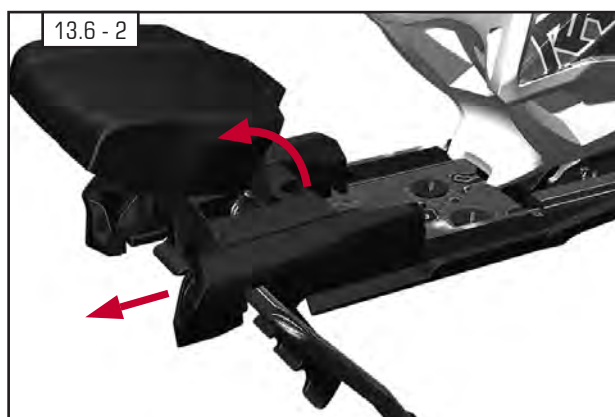
13.6 REPLACING SKI BRAKES



REPLACING THE SKI BRAKES XCELL, COMP, JUNIOR COMP:

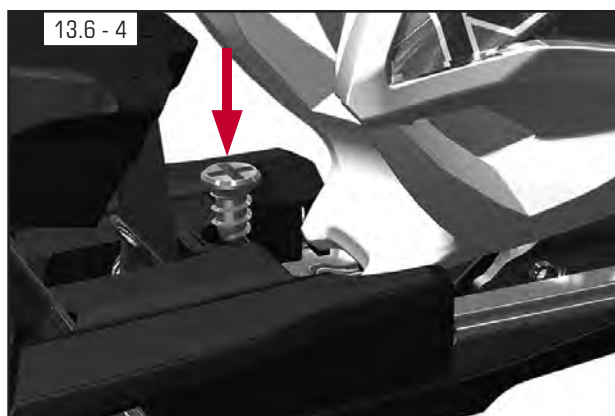
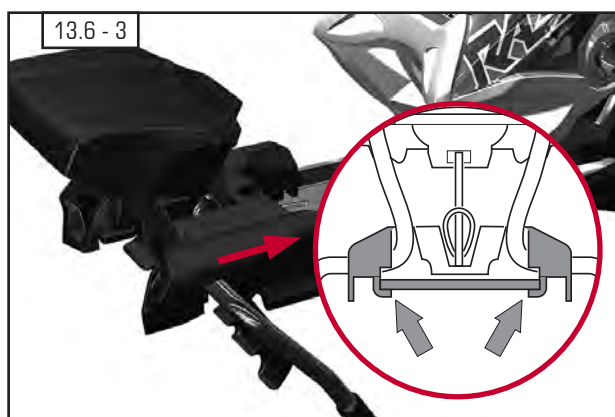
DEMOUNT THE SKI BRAKE:

- Remove the attachment screw of the ski brake. (13.6 - 1)
- 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)
- Slide the ski brake backward until it stops.
- Tighten the attachment screw of the ski brake. (13.6 - 4)

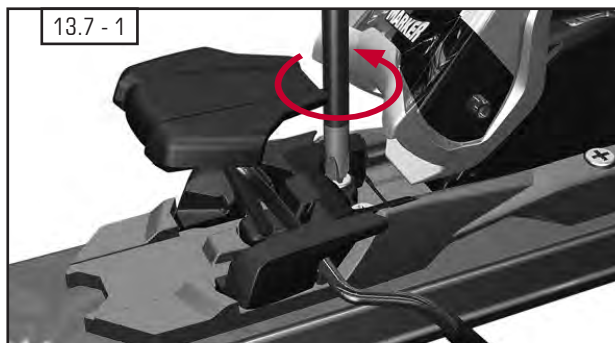


REMARK:

The wide ski brakes are replaceable in the same manner.

see BRAKE CHART → 16.2

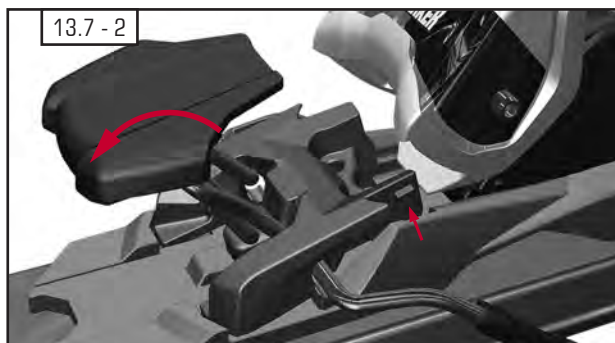
13.7 REPLACING SKI BRAKES



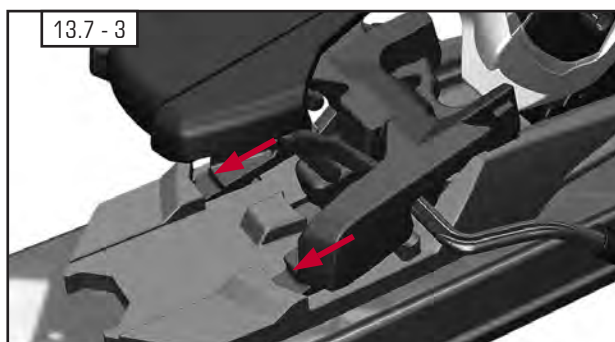
REPLACING THE SKI BRAKES 10.0 EPS / FREE TEN:

DEMOUNT THE SKI BRAKE:

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

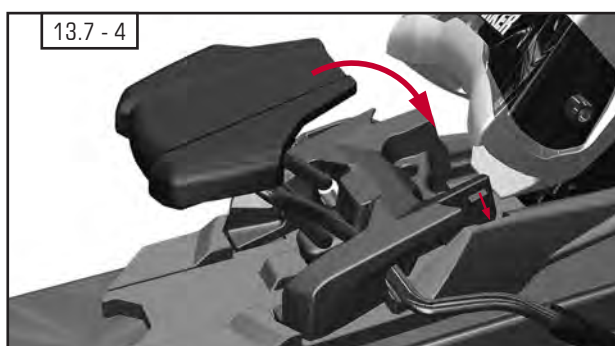


- Pivot the rear brake platform hooks carefully to remove the ski brake. (13.7 - 2)



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)



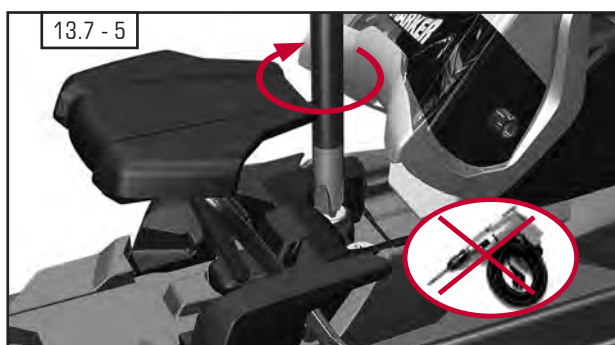
IMPORTANT !

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

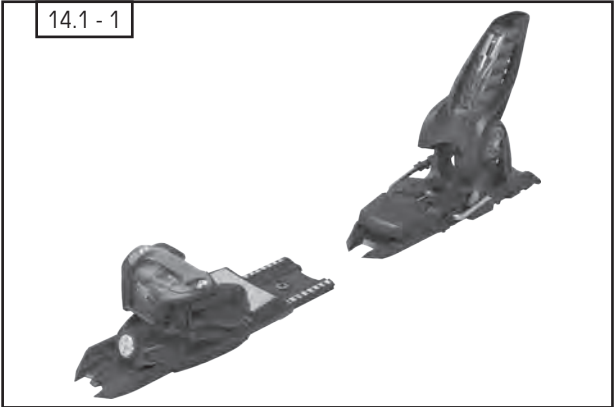
REMARK:

The wide ski brakes are replaceable in the same manner.

see BRAKE CHART → 16.2



14.1 MARKER RENTAL & DEMO GENERAL INFORMATION

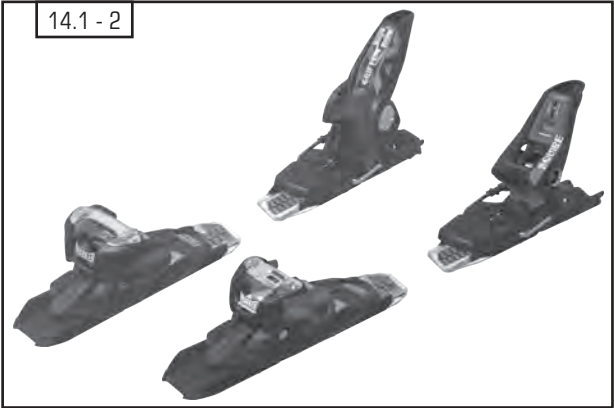


DEFINITION OF JESTER DEMO BINDINGS: (14.1 - 1)

MARKER Jester Demo have adjustable toes and adjustable heels.

Adjustment range

	mm	toe	heel
Jester Demo	265 - 365	50 mm	50 mm

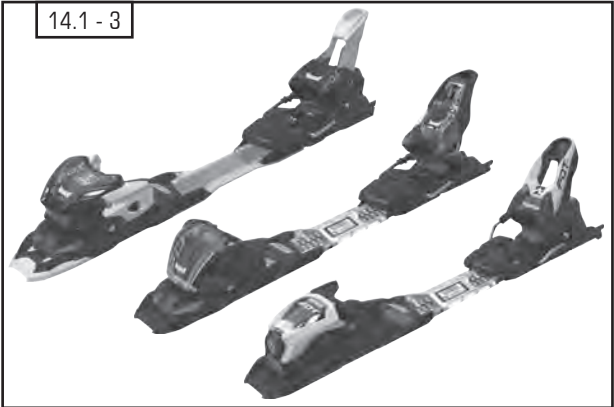


DEFINITION OF GRIFFON D & SQUIRE D BINDINGS: (14.1 - 2)

MARKER Griffon D & Squire D models have adjustable toes and adjustable heels.

Adjustment range (in 4 mm steps)

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



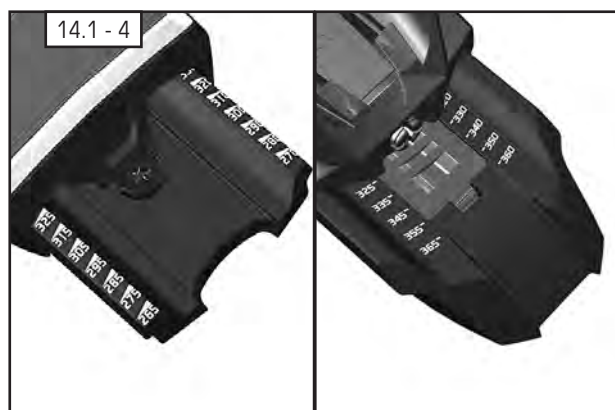
DEFINITION OF FDT BINDINGS: (14.1 - 3)

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 MARKER RENTAL & DEMO GENERAL INFORMATION

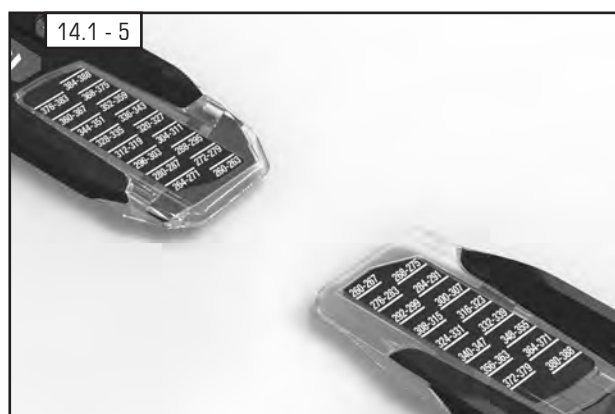


GENERAL INFORMATION BINDING - TO - BOOT ADJUSTMENT

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

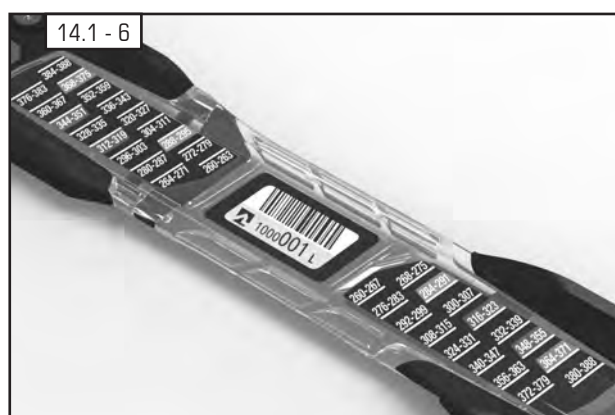
Jester Demo:

Sole length in mm (265 – 365) is marked on the toe - and heel plates. (14.1 - 4)



Griffon D & Squire D:

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

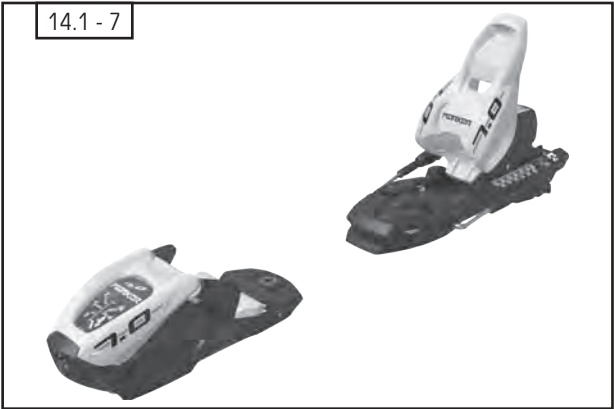


FDT Demo models:

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

14.1 MARKER RENTAL & DEMO GENERAL INFORMATION

14.1 - 7



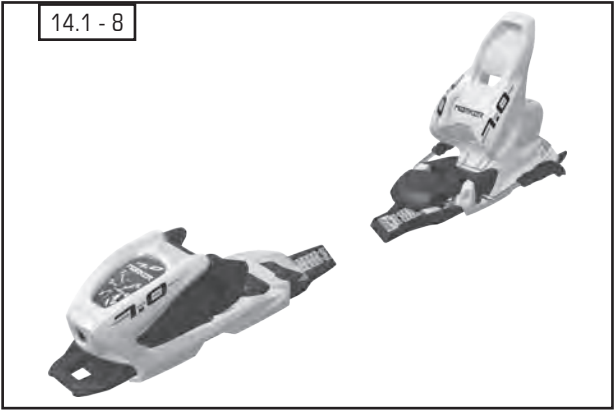
DEFINITION JUNIOR RENTAL BINDINGS: (14.1 - 7)

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 - 8



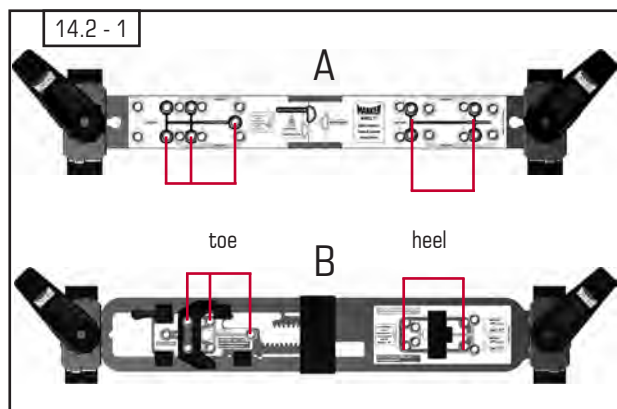
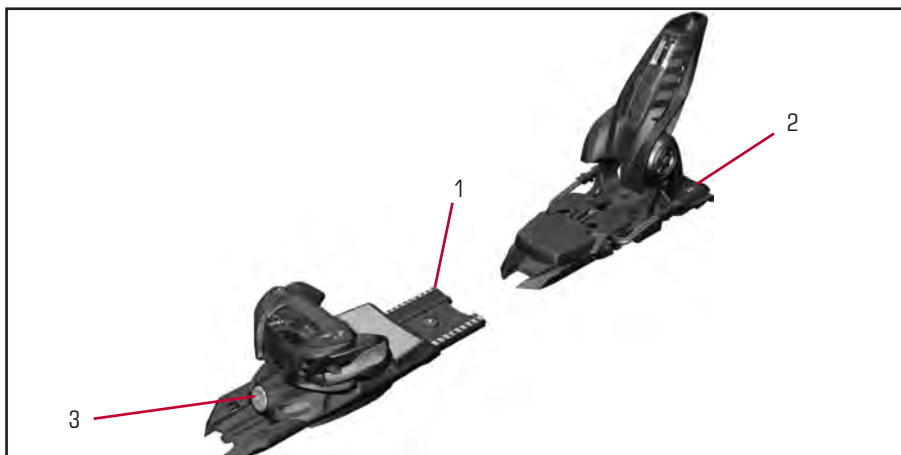
DEFINITION OF FDT JUNIOR BINDINGS: (14.1 - 8)

FDT Junior bindings have movable toes and movable 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

14.2 INSTALLATION OF MARKER JESTER DEMO



MARKER JESTER & GRIFFON & SQUIRE DEMO

- 1 Front plate with sole length scale
- 2 Heel plate with sole length scale
- 3 Length adjustment screw

DRILLING THE ATTACHMENT HOLES (A):

- Place Royal Demo installation tool W005L1T or W009P1T (14.2 - 1 A) onto the ski and align the mid - sole mark »Royal Demo« with the mid - sole mark on the ski.
- Check if the installation tool is positioned correctly on the ski.
- Drill 5 holes for the front plate and 4 holes for the heel plate through the black marked drill bushings.
- Remove installation tool from the ski.

or

DRILLING THE ATTACHMENT HOLES (B):

Adjusting the installation tool W001G1T or W012J1T (14.2 - 1 B) for mounting the MARKER Royal Demo:

- Open the locking lever. Move the toe guide until the sole length 315 mm is adjusted. (14.2 - 2)
- Close the locking lever. Place the pre - installed installation tool onto the ski and align the mid - sole mark of the installation tool with the mid - sole mark on the ski.
- Drill 4 holes for the front plate (toe) through the red marked drill bushings, drill the additional rear hole for the front plate through the rear toe bushing. (14.2 - 1)
- Drill 4 holes for the heel plate (heel) through the red marked drill bushings.
- Remove installation tool from the ski.

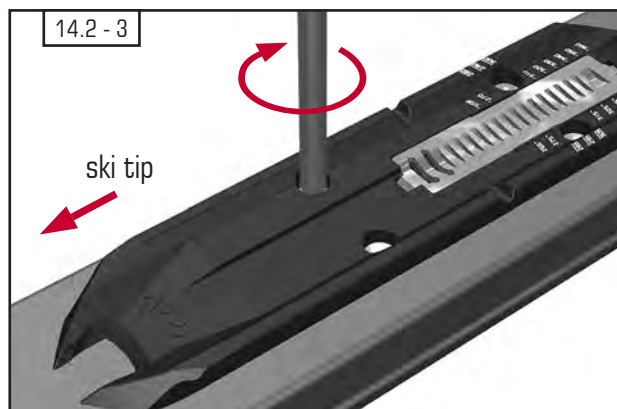
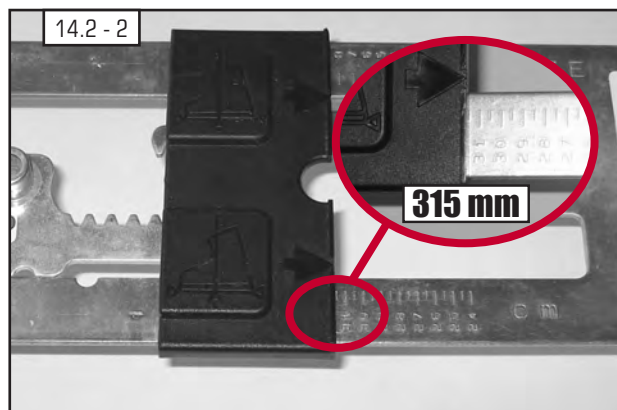
REMARK:

See the DRILLING INSTRUCTIONS → 3.2

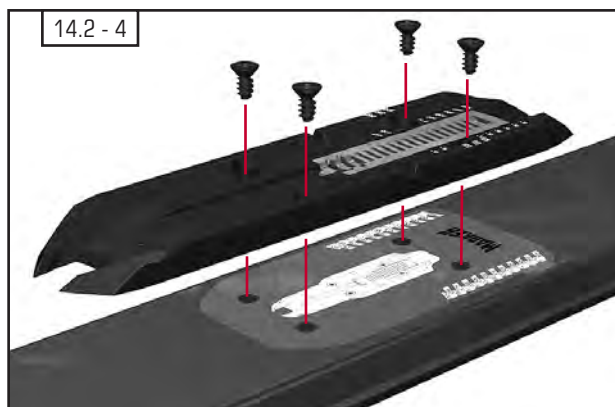
REMARK:

The binding model Jester Demo is designed for the following ISO boot sole standard:

- Alpine ski boots for adults DIN ISO 5355



14.2 INSTALLATION OF MARKER JESTER DEMO



INSTALLING THE HEEL:

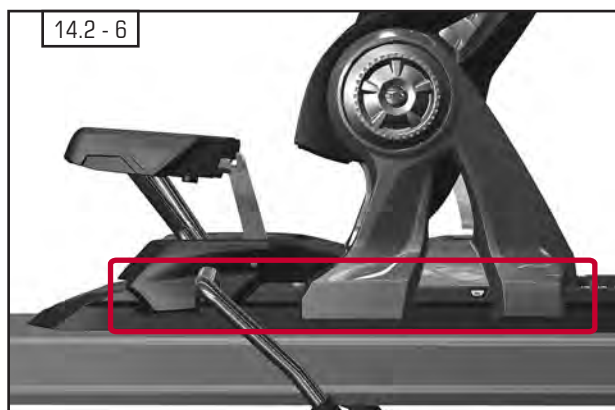
- Install the MARKER Royal Demo heel plate with the 4 pre - installed screws. (14.2 - 3) Tighten the screws lightly, then firmly.

REMARK:

The binding model Jester Demo is equipped with an additional sole length scale. This additional scale can be mounted between ski and the heel plate when required. (14.2 - 4)

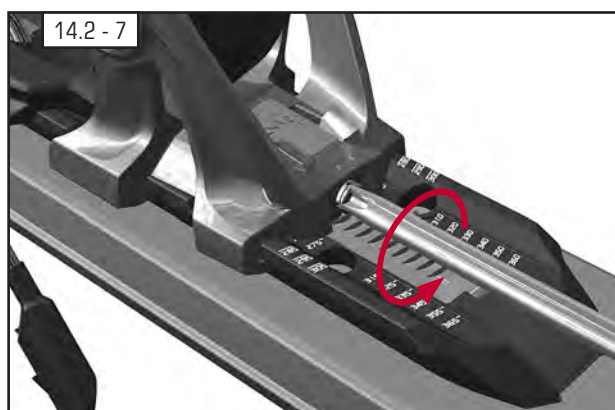


- Slide the heel onto the heel plate, starting from the front. Slide the heel back until it stops. (14.2 - 5)



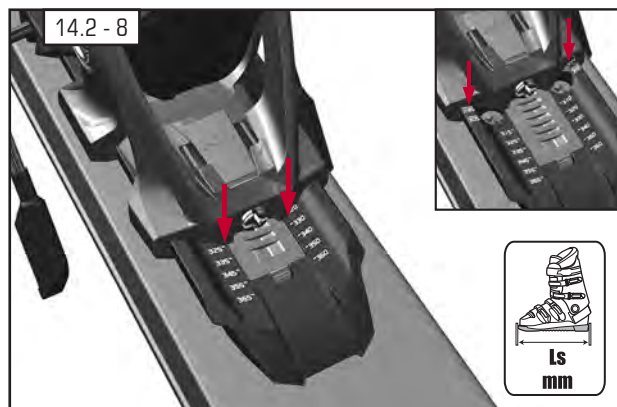
CAUTION !

Ensure that the heel is fully and uniformly sliding into the heel plate attachments. (14.2 - 6)

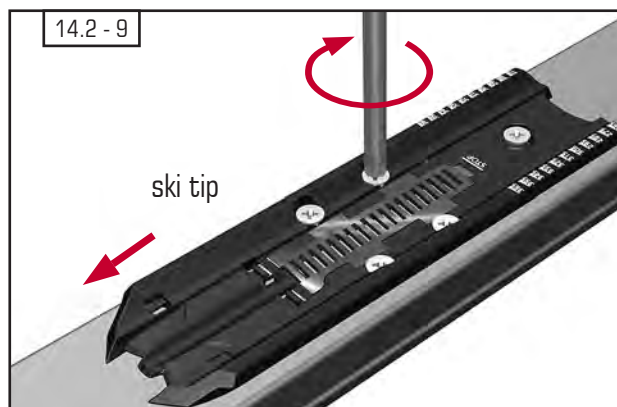


- Move the heel backwards by turning the forward pressure adjustment screw. (14.2 - 7)

14.2 INSTALLATION OF MARKER JESTER DEMO

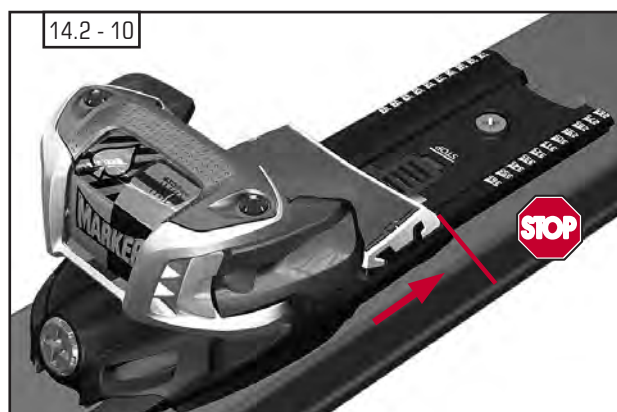


- Screw the heel backward to the correct sole length in accordance with the sole length scale.
Indicator: back edge of the heel housing left and right.
(14.2 - 8)

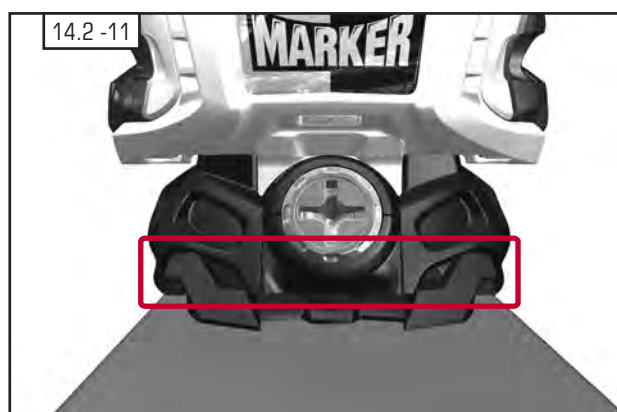


INSTALLING THE TOE:

- Install the MARKER Royal Demo front plate with the 5 pre - installed screws. (14.2 - 9) Tighten the screws lightly, then firmly.



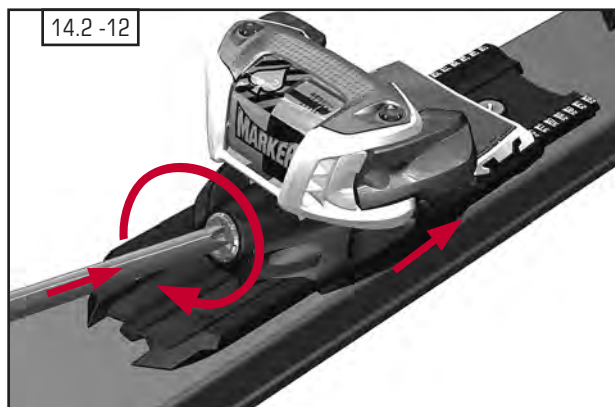
- Slide the toe onto the toe plate, starting from the front. Slide the toe back until it stops. (14.2 - 10)



CAUTION !

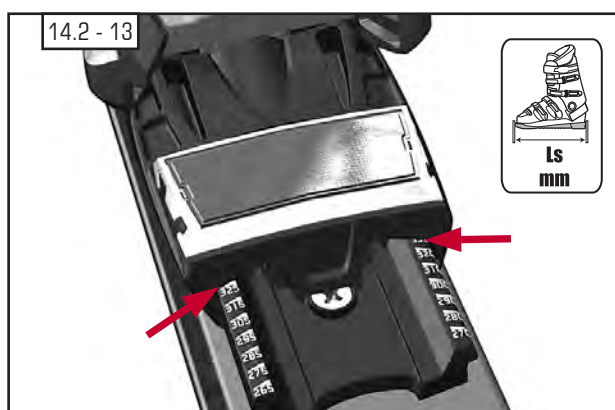
Ensure that the toe is fully and uniformly sliding into the front plate attachments. (14.2 - 11)

14.2 INSTALLATION OF MARKER JESTER DEMO



- With slight pressure, screw the toe backwards onto the front plate. (14.2 - 12)

- Screw the toe backward to the correct sole length in accordance with the sole length scale. Indicator: back edge of the toe spacer left and right. (14.2 - 13)

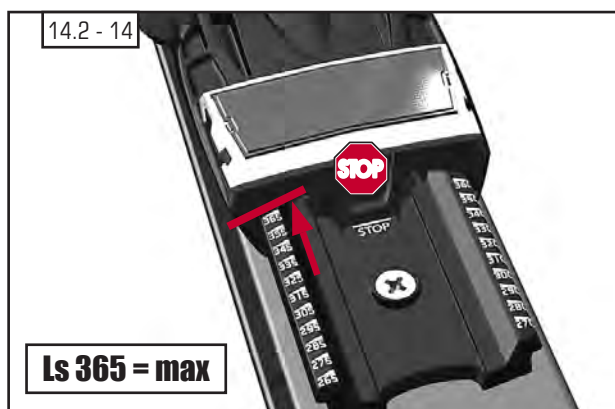


IMPORTANT SAFETY ADVICE !

Make sure that you do not exceed the »STOP« marking on the front plate ! Sole length adjustment 365 = max ! (14.2 - 14)

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. (14.2 - 15)
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.

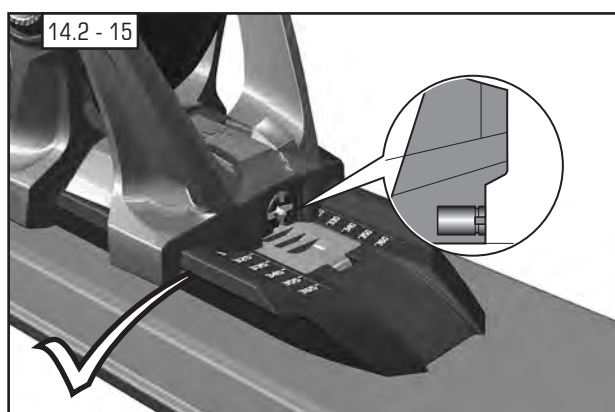
See RELEASE VALUE SELECTION AND ADJUSTMENT:

→ 12.1 - 12.3

REMARK:

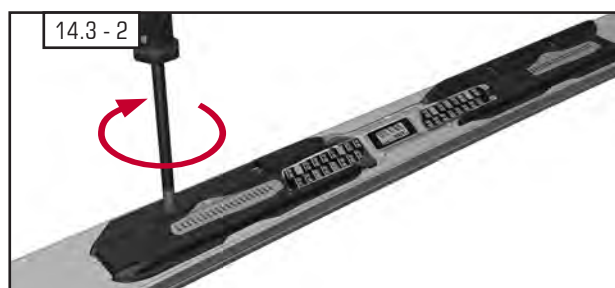
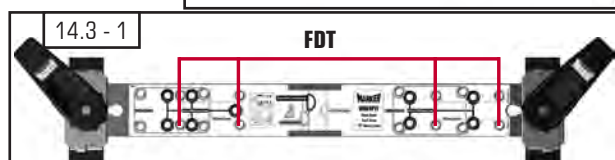
ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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 MARKER GRIFFON D, SQUIRE D & FDT MODELS



IMPORTANT !

FDT bindings are designed to mount only in conjunction with the FDT plate system.

DRILLING THE ATTACHMENT HOLES:

- Place the FDT installation tool W009P1T or W004Q1T (14.3 - 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. (14.3 - 2)

REMARK:

This mounting instruction is also valid for the MARKER / NORDICA models FDT.

REMARK:

The binding models Griffon D, Squire D & FDT GRIPWALK are designed for the following ISO boot sole standards :

- 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. (14.3 - 3 & 14.3 - 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. (14.3 - 5)

14.3 INSTALLATION OF MARKER GRIFFON D, SQUIRE D & FDT MODELS



- Close the toe locking lever. (14.3 - 6)

INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the rear. (14.3 - 7)
- Slide the heel forward. (14.3 - 8)



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. (14.3 - 9)
- Close the heel locking lever. (14.3 - 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. (14.3 - 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.



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:

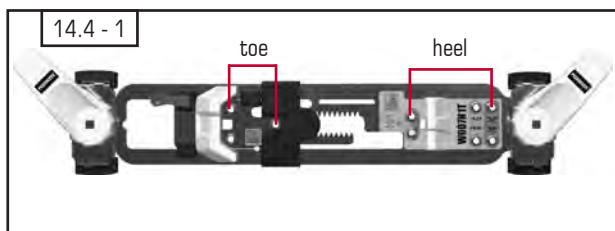
ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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 7.0 RTL & 4.5 RTL



INSTALLATION OF 7.0 / 4.5 RTL:

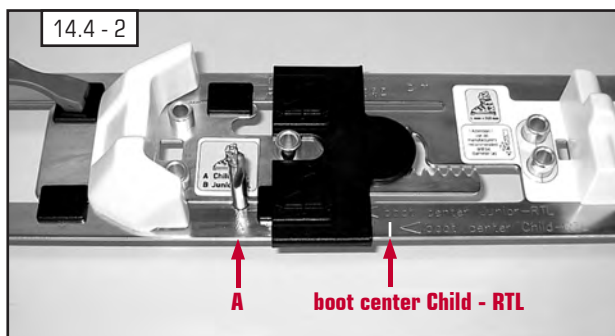


IMPORTANT !

4.5 RTL and 7.0 RTL (with length scales 44 – 59 and 54 – 69) have to be mounted with the installation tool **W007H1T** (14.4 - 1) !

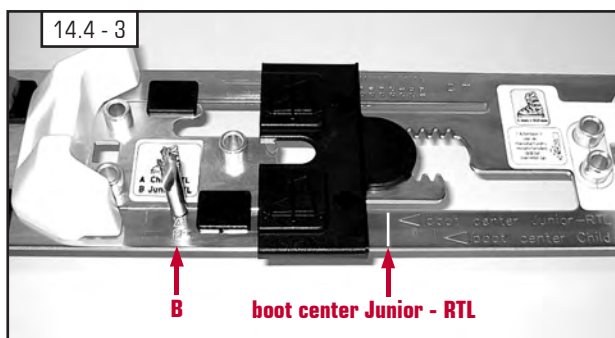
DRILLING THE ATTACHMENT HOLES:

- 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. (14.4 - 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. (14.4 - 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

REMARK:

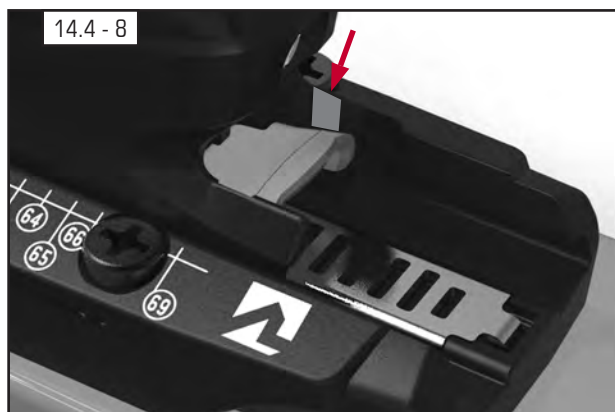
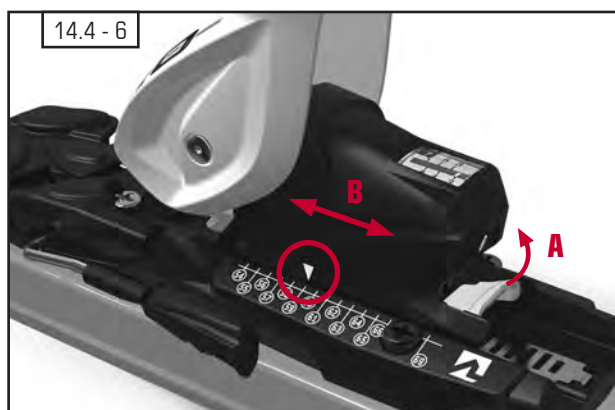
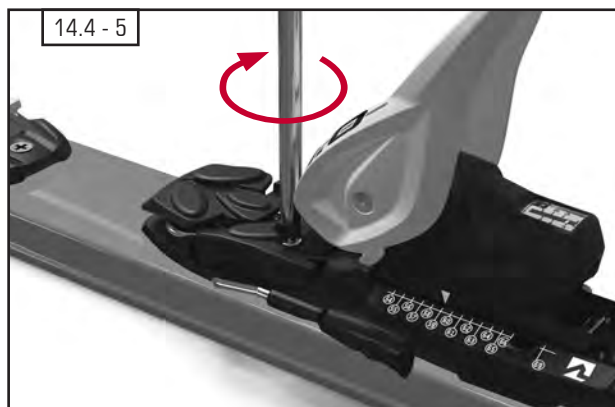
These binding models will accommodate both adult and junior Alpine boots DIN ISO 5355.

INSTALLING THE TOE:

- Place the toe with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (14.4 - 4)



14.4 INSTALLATION OF 7.0 RTL & 4.5 RTL



INSTALLING THE HEEL:

- Place the heel with the pre - installed screws onto the ski.
- Tighten the screws lightly, then firmly. (14.4 - 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. (14.4 - 6)
- Close the locking lever to secure heel position.



CAUTION !

Ensure that the lever is engaged properly ! (14.4 - 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 (14.4 - 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:

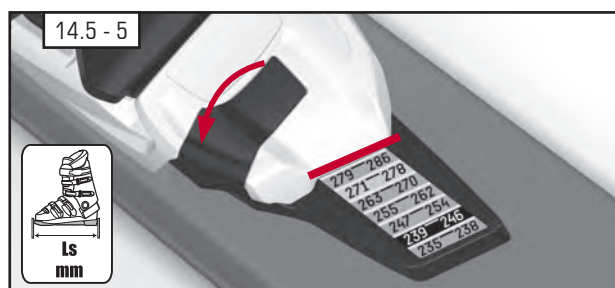
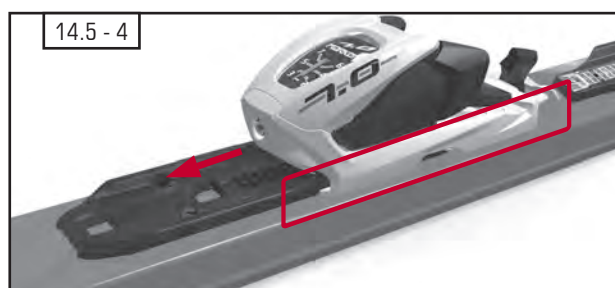
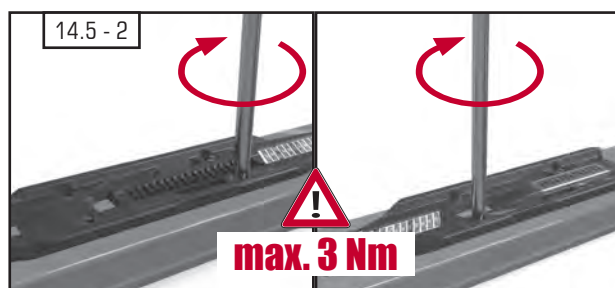
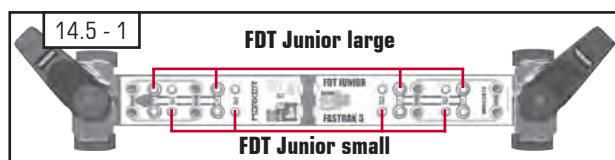
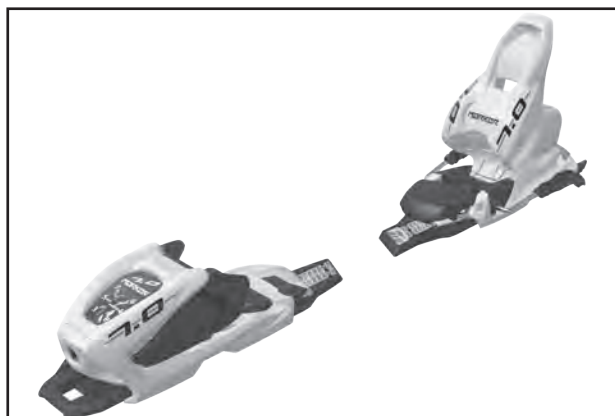
ADJUSTMENT OF DEMO BINDING MODELS:

also refer to chapter → 14.6



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 INSTALLATION OF FDT 7.0 & FDT 4.5



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 !

FDT JUNIOR: DRILLING THE ATTACHMENT HOLES:

- Place the FDT Junior installation tool W003H1T (14.5 - 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

REMARK:

These binding models will accommodate both adult and junior Alpine boots DIN ISO 5355.

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. (14.5 - 2)

INSTALLING THE TOE:

- Open the locking lever and slide the toe from the center of the plate forward. (14.5 - 3 & 14.5 - 4)

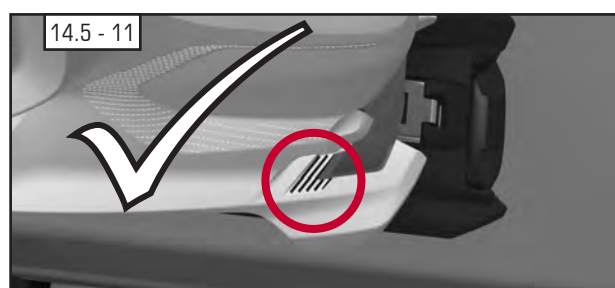
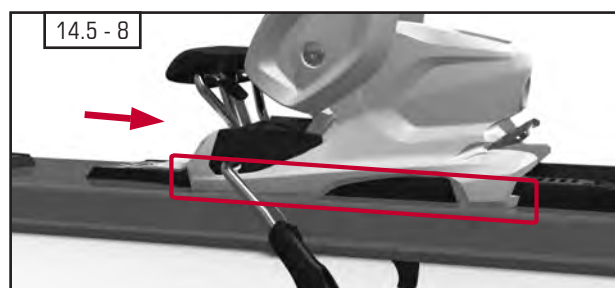


CAUTION !

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. (14.5 - 5)
- Close the toe locking lever. (14.5 - 5)

14.5 INSTALLATION OF FDT 7.0 & FDT 4.5



INSTALLING THE HEEL:

- Open the heel locking lever and slide the heel onto the plate starting from the center. (14.5 - 6 & 14.5 - 7)
- Slide the heel backward. (14.5 - 8)

**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. (14.5 - 9)
- Close the heel locking lever. (14.5 - 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 indicator on the locking lever has to point to the marked section on the side of the heel housing. (14.5 - 11)
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 → 14.6



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

14.6 RENTAL / DEMO FUNCTION TESTING AND SERVICE

FUNCTION TESTING OF MARKER RENTAL / DEMO BINDINGS:

**JESTER DEMO, GRIFFON DEMO & SQUIRE DEMO
FASTRAK III, JUNIOR FASTRAK II & JUNIOR RENTAL**

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.

14.6 RENTAL / DEMO FUNCTION TESTING AND SERVICE

PRE-SEASON BINDING INSPECTION PROCEDURE:

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 all areas of the bindings that contact the boot.
2. Perform all pre - season binding maintenance.
3. Visually or manually check:
 - a. AFD condition
 - b. Brake function
 - c. Release indicator readability and travel
 - d. Screw tightness
4. Fit each binding to the reference boot and adjust the release indicators to the value in Table [A].
5. Check that the heel track and toe track single code agree with the sole length single code of the reference boot.
6. 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.
7. 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.
8. Manually release the binding 3 times in each direction, prior to testing.
9. Test the binding's Release Torque Values, 3 times in each direction (forward lean and both directions in twist).
10. Determine the Measured Released Torque Value. The middle quantitative value of the 3 measured releases for each direction. If 2 measured releases are the same there is no need for a 3rd measurement.
11. If the Measured Release Torque Values are within the Inspection Ranges provided in table [A] record "PASS" in the binding's maintenance record.
12. If any of the Measured Release Torque Values are outside the Inspection Range in table [A] follow the trouble-shooting procedures and retest. → **12.4 TROUBLESHOOTING**
13. If after troubleshooting and retesting the Measured Release Torque Values in any direction are within the In-Use Range but still outside the Inspection Range a correction factor needs to be applied to bring that Measured Release Torque Value within the Inspection Range. Mark or code that correction factor near or on the individual component. The correction factor has to be applied each time the system is used. Record the correction factor in the binding's maintenance record.
14. If after troubleshooting and retesting the Measured Release Torque Values in any direction are still outside the In-Use Range record "FAIL" in the binding's maintenance record. Replace the unit and retest before returning the ski to service.
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	F	I	L
Binding Type	Children	Junior	Adult
Sole Length (mm)	260 ± 5mm	280 ± 5mm	320 ± 5mm
Release Indicator Setting	2.50	4.00	6.00
Reference Torque Twist (Nm)	23	37	58
Reference Torque Forward (Nm)	87	141	229
Twist Inspection Range (Nm)	20 - 27	31 - 43	50 - 67
Forward Inspection Range (Nm)	75 - 102	120 - 165	194 - 271
Twist In - Use Range (Nm)	17 - 31	27 - 50	43 - 78
Forward In - Use Range (Nm)	64 - 120	102 - 194	165 - 320

Table [A] Pre - Season Binding Inspection guideline

PRE-SEASON BOOT INSPECTION:

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, "Verify boot sole dimensions". → **2.4 BOOT INSPECTION**
 - 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 nor 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.

14.6 RENTAL / DEMO FUNCTION TESTING AND SERVICE

PRE - SEASON BOOT INSPECTION PROCEDURE:

The procedure that follows helps to assure both boot / binding compatibility and boot interchangeability. 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 bindings at 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 [F] 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 (L, I, or F).
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 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 PROCEDURE:

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 use Table [A] Pre-Season Binding Inspection guideline to adjust and set the boot / binding system.
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 Table [A] and adjustment chart.
→12.1 - 1 ADJUSTMENT CHART
6. If the tested 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.

14.6 RENTAL / DEMO FUNCTION TESTING 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:

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

RENTAL SKIER INSTRUCTION

Explain the function of every MARKER ROYAL DEMO, FASTRAK III, JUNIOR FASTRAK II or JUNIOR RENTAL 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 change 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 or retain under all circumstances nor is it possible to predict every situation in which it will release or retain 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 contaminants. 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:

Vökl: All warranty claims for MARKER / Vökl bindings must be sent to Vökl 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.
→ **16.5 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.



→ 16.7

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.



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.

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.

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 LINK-AGE 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 compatibility 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



ADDITIONAL INFORMATION FOR THE MARKER TOUR

In addition to the system explanations → 15.4 the following instructions must be given to the intended user of a MARKER TOUR

CHANGING FROM SKIING - MODE TO WALKING - MODE:

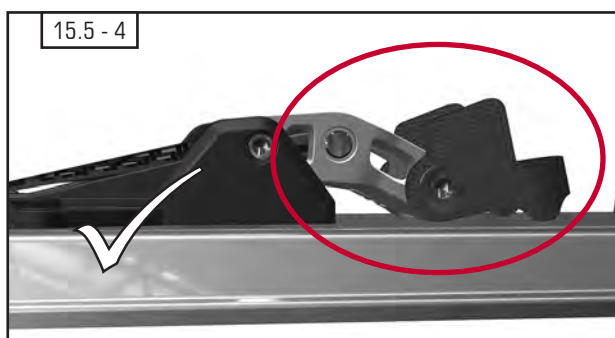
The TOUR engagement lever is located in the middle of the system plate.



With this lever you can adjust two positions (skiing - mode / walking - mode).



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)



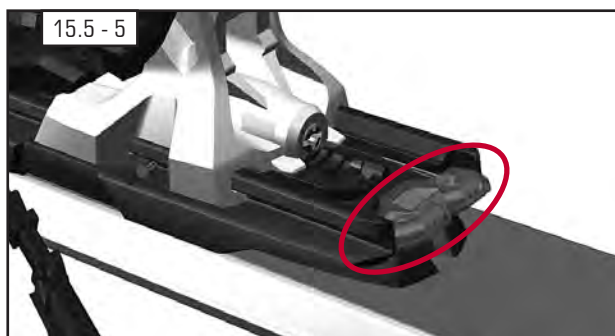
IMPORTANT !



The engagement lever has to be switched completely to the walk position, the lever has to be flush with the ski's top. (15.5 - 4)

USING THE HIKING - AID:

You can use the hiking - aid (15.5 - 5) in two positions when you are in the walking - mode.

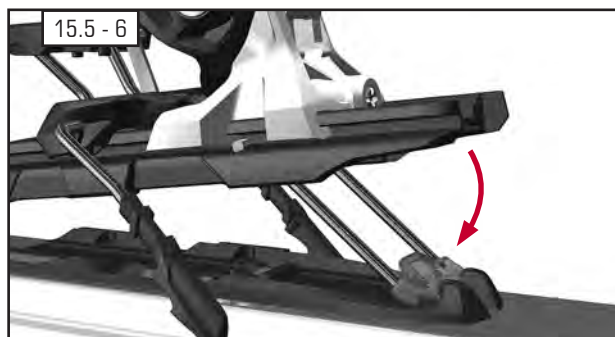


IMPORTANT !



Point out to the customer that the function of the climbing aid can be affected (the climbing aid 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 & F 10 TOUR



HIKING AID LOW POSITION

Fold the hiking - aid downward with the ski pole or by hand to the 7 ° position. (15.5 - 6)



HIKING AID HIGH POSITION:

- Fold the hiking aid down with the ski pole or by hand to the 13 ° position. (15.5 - 7)



HIKING AID BASIC POSITION:

- Fold the hiking aid up to the basic position with the ski pole or by hand.

CHANGING FROM WALKING - MODE TO SKIING - MODE:

REMARK:

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



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 !

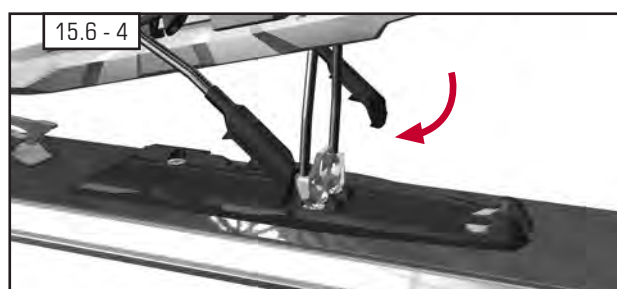
Assure that the TOUR plate is fully and uniformly sliding into the heel plate attachments ! (15.5 - 9)



CAUTION !

Only ski when the engagement lever is in the locked position ! (15.5 - 10)

15.6 INFORMATION FOR THE SKIER - DUKE EPF & BARON EPF



ADDITIONAL INFORMATION FOR THE MARKER DUKE EPF & BARON

In addition to the system explanations → 15.4 the following instructions must be given to the intended user of a MARKER DUKE 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 - AID:

You can use a hiking - aid in two positions when you are in the walking - mode.

Hiking aid low position:

- Fold the hiking - aid downward with the ski pole or by hand to the 7° position. (15.6 - 3)

Hiking aid high position:

- Fold the hiking aid 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 (14.6 - 5) !
Assure that the BCT plate is fully and uniformly sliding into the heel plate attachments ! (15.6 - 7)

REMARK:

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



CAUTION !

Only ski when the engagement lever is in the locked position ! (15.6 - 6)



15.7 INFORMATION FOR THE SKIER - F10 TOUR CRAMPON



ADDITIONAL INFORMATION FOR THE MARKER DUKE & BARON & TOUR

CRAMPONS:

MARKER offers special crampons for the MARKER DUKE & BARON & TOUR. (15.7 - 1)

Crampon 92 mm for ski width → 84 mm: Art.-Nr. H001G1A

Crampon 113 mm for ski width → 106 mm: Art.-Nr. H002M1A

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)

DETACHING THE CRAMPONS:

- Press down the black plastic lever from above and detach the crampon from the BCT plate. (14.7 - 6)

15.8 INFORMATION FOR THE SKIER - DUKE EPF & BARON EPF & TOUR EPF CRAMPON



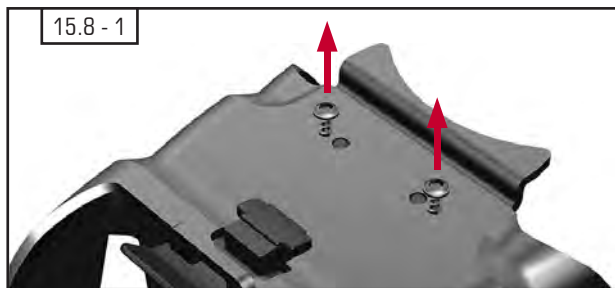
ADDITIONAL INFORMATION FOR THE MARKER DUKE EPF & BARON EPF & TOUR EPF:

ADAPTER FOR CRAMPONS:

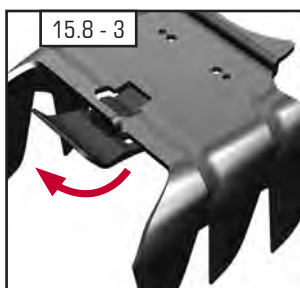
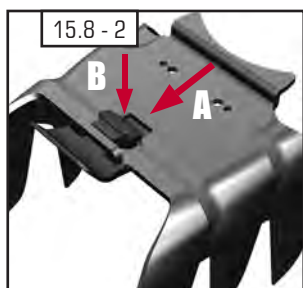
For fitting the crampion to the plate of the DUKE EPF & BARON EPF & TOUR EPF the accompanying crampion adapter must be mounted on the crampions.

(Exception: crampion 128mm H004M1A & 113 mm H002N1A with premounted adapter)

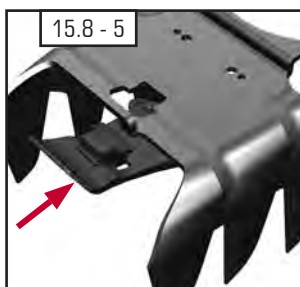
- Remove the screws. (15.8 - 1)



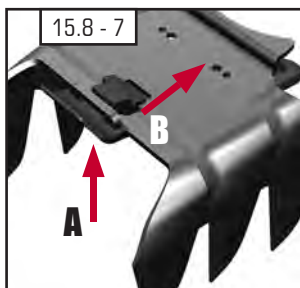
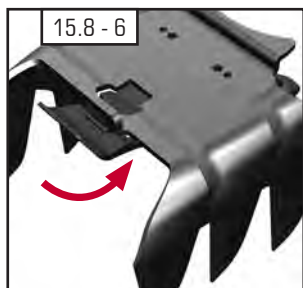
- Push the clamp down and towards the front, away from the crampion. (15.8 - 2 and 15.8 - 3)



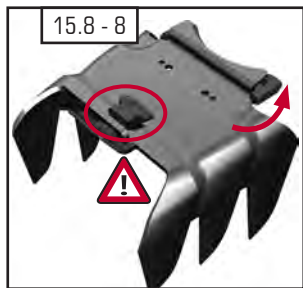
- Fit the adapter (15.8 - 4) from the front / bottom to the crampion as shown. (15.8 - 5 and 15.8 - 6)



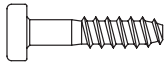
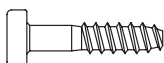
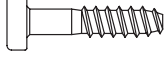
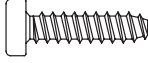
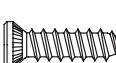
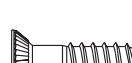
- Push the crampion adapter upwards and towards the back until it clicks into place. (15.8 - 7 and 15.8 - 8)



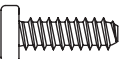
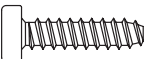
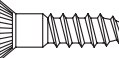
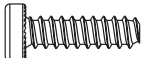
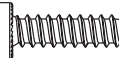
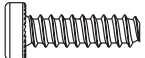
- Fit the screws and tighten them by hand. (15.8 - 9)



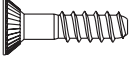
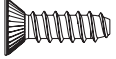
16.1 SCREW CHART

	PLATE SYSTEM				
MARKER COLLECTION					
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		 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 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 PRO		 S180164 (5.5 x 11.3)	 S180154 (5.5 x 21.0)	heel plate  S180204 (6.0 x 12.0)	
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 19.5)	 S180217	 S180046	 S180217	 S180046
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)

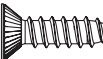
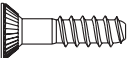
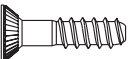
16.1 SCREW CHART

	PLATE SYSTEM				
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)
JUNIOR RTL		 S180060 (5.5 x 14.0)	 S180060 (5.5 x 14.0)	 S180047 (5.5 x 19.5)	 S180047 (5.5 x 19.5)
JESTER DEMO		front plate  S180204 (6.0 x 12.0)		heel plate  S180204 (6.0 x 12.0)	
GRIFFON D SQUIRE 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)	

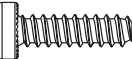
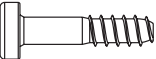
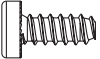
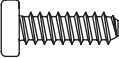
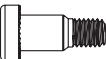
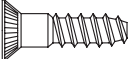
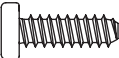
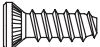
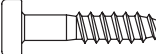
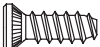
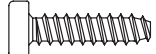
MARKER / VÖKL MODELS

MARKER / VÖKL IPT WR XL FR DEMO IPT WR XL TCX DEMO	center screw  S180208			 S180150 (5.5 x 22.0)	
MARKER / VÖKL rMOTION2 VMOTION				 S180062 (5.5 x 12.5)	
MARKER / VÖKL 4MOTION XL TCX D 4MOTION XL D	center screw  S180206			 S180205 (5.5 x 18.5)	

16.1 SCREW CHART

	PLATE SYSTEM				
MARKER / K 2 MODELS					
MARKER / K 2 MXCELL TCX D				 S180062 (5.5 x 12.5)	
MARKER / K 2 MCX TCX QUIKCLIK MCX TCX light QUIKCLIK M3 TCX light QUIKCLIK				 S180062 (5.5 x 12.5)	
MARKER / K 2 ERC TCX light QUIKCLIK ER3 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 M3 & ER3 TCX LIGHT M3 & ER3 M2 & ERP			 S180176 (5.5 x 15.0)	 S180062 (5.5 x 12.5)	
MARKER / K 2 FASTRAK 3 TP	 S180062	 S180208		 S180205 (5.5 x 18.5)	
MARKER / K 2 JUNIOR FASTRAK II				 S180208 (5.5 x 13.0)	
MARKER / NORDICA MODELS					
MARKER / NORDICA N POWER EVO N PRO EVO		 S180150 (5.5 x 22.0)		 S180062 (5.5 x 12.5)	 S180062 (5.5 x 12.5)
MARKER / NORDICA TPX EVO		 S180150 (5.5 x 22.0)		 S180062 (5.5 x 12.5)	 S180062 (5.5 x 12.5)
MARKER / NORDICA TP LIGHT FDT TP COMPACT FDT TLT FDT				 S180062 (5.5 x 12.5)	

16.1 SCREW CHART

	PLATE SYSTEM				
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)	 S180047 (5.5 x 19.5)	 S180142 (5.5 x 23.5)
MARKER / NORDICA JUNIOR FASTRAK II				 S180208 (5.5 x 13.0)	
MARKER / NORDICA IQ 7 IQ 4.5				 S180139 (5.5 x 17.5)	
MARKER / BLIZZARD MODELS					
MARKER / BLIZZARD XCELL DEMO TCX DEMO TLX 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 IQ 7 IQ 4.5				 S180139 (5.5 x 17.5)	
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)

16.1 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)	
MARKER BRAKE SCREW					
STANDARD BRAKE SCREW	 S180062 (5.5 x 12.5)				
STANDARD BRAKE SCREW COMPETITON & RACE	 S180046 (5.5 x 8.75)				

16.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
RACE XCELL 18			 W00601B					
RACE XCELL 16 RACE XCELL 12 RACE 10 TCX			 W00601B					
RACE 10 RACE JUNIOR 8			 W023H1B					
DUKE EPF BARON EPF				 W017G1B		 W016G1B	 W02601B	 W01501B
JESTER PRO JESTER ID GRIFFON ID SQUIRE ID				 W017G1B		 W016G1B	 W02601B	 W01501B
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	
12.0 TPX 11.0 TP			 W023H1B					
FREE 8		 W020G1B	 W021K1B		 W004L1B			
FREE 7 7.0 & FDT 7.0 4.5 & FDT 4.5	 W007R1B		 W009R1B					
JESTER DEMO GRIFFON D / ADJ SQUIRE D / ADJ				 W017G1B		 W016G1B	 W02601B	 W01501B

16.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
FDT TCX 12 FDT TP 11			 W018M1B	 W017G1B				
FDT TP 10		 W022N1B						
JUNIOR RTL	 W014G1B		 W005L1B					
MARKER / VÖKL iPT WIDERIDE XL FR D iPT WIDERIDE XL TCX D				 W017G1B				
MARKER / VÖKL rMOTION2 16.0 rMOTION2 12.0			 W018M1B					
MARKER / VÖKL 4MOTION XL D			 W018M1B					
MARKER / VÖKL VMOTION 12 VMOTION 11 E				 W017G1B				
MARKER / VÖKL VMOTION 10		 W022N1B						
7.0 VMOTION 4.5 VMOTION	 W007R1B							
MARKER / K 2 MXCELL TCx Demo MXC TCx light QUIKCLIK M3 TCx light QUIKCLIK				 W017G1B				
MARKER / K 2 ERC 11 TCx light QUIKCLIK ER3 TCX light				 W017G1B				

16.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
MARKER / K 2 ERC 11 TCx light QUIKCLIK				 W01901B				
MARKER / K 2 ERC 10 TCx light QUIKCLIK		 W02501B						
MARKER / K 2 M3 TCx light				 W017G1B				
MARKER / K 2 M3 COMPACT QUIKCLIK ER3 COMPACT QUIKCLIK		 W022N1B						
MARKER / K 2 M3 COMPACT ER3 COMPACT		 W022N1B						
MARKER / K 2 M 2 QUIKCLIK ERP QUIKCLIK		 W022N1B						
MARKER / K 2 M 2 / ERP		 W022N1B						
MARKER / K 2 FASTRAK 3 10 TP		 W002L1B	 W003M1B					
MARKER / K 2 JUNIOR FASTRAK II	 W014G1B		 W005L1B					
MARKER / NORDICA N POWER EVO N PRO EVO TPX EVO			 W018M1B	 W017G1B				
MARKER / NORDICA FREE FDT TP LIGHT FDT				 W017G1B				
MARKER / NORDICA TP COMPACT FDT TLT FDT		 W022N1B						

16.2 BRAKE CHART

	70 mm	80 mm	85 mm	90 mm	100 mm	110 mm	120 mm	136 mm
MARKER / NORDICA JUNIOR FASTRAK II IQ 7 IQ 4.5	 W014G1B	 W002K1B						
MARKER / BLIZZARD XCELL DEMO TCX 11 DEMO				 W017G1B				
MARKER / BLIZZARD TCX 12 DEMO TLX 11 DEMO			 W018M1B					
MARKER / BLIZZARD TP 10 DEMO TLT 10 DEMO		 W022N1B	 W024K1B					
MARKER / BLIZZARD TP 10 DEMO W		 W025O1B						
MARKER / BLIZZARD IQ TP 10		 W022N1B						
MARKER / BLIZZARD IQ 7 IQ 4.5	 W014G1B							
MARKER / BOGNER / INDIGO XCELL 12 DEMO			 W018M1B					
MARKER / BOGNER / INDIGO FDT TP 11		 W025O1B						

16.3 MARKER COLLECTION 2017 - 2018

		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE XCELL 18 7120R1MS black - flo-red 8.0 - 18.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE XCELL 16 6920R1MS black - flo-red 6.0 - 16.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE XCELL 12 6820R1MS black - flo-red 4.0 - 12.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE 10 TCX 6520R1MT black - flo-red 3.0 - 10.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE 10 6520R1MS black - flo-red 3.0 - 10.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE JUNIOR 8 6320R1MS black - flo-red 2.0 - 8.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE XCELL 18 7120P1TCM white - black - red 8.0 - 18.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE XCELL 16 6920P1TCM white - black - red 6.0 - 16.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE XCELL 12 6820P1TCM white - black - red 4.0 - 12.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE 10 TCX 6521R1TCM white - black - red 3.0 - 10.0 240 - 360 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE 10 6520P1TCM white - black - red 3.0 - 10.0 240 - 360 mm 85 mm

16.3 MARKER COLLECTION 2017 - 2018

	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	RACE JUNIOR 8 6320P1TCM white - black - red 2.0 - 8.0 240 - 360 mm 85 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	DUKE EPF 16 L 305 - 365; 110 mm 761601LA black 6.0 - 16.0 305 - 365 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	DUKE EPF 16 S 265 - 325; 110 mm 761601SA black 6.0 - 16.0 265 - 325 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	BARON EPF 13 L 305 - 365; 110 mm 7516P1LA black - white 4.0 - 13.0 305 - 365 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	BARON EPF 13 S 265 - 325; 110 mm 7516P1SA black - white 4.0 - 13.0 265 - 325 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER 18 PRO; 90 mm 7924Q1JS red 8.0 - 18.0 240 - 370 mm 90 mm / 120 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER 18 PRO; 120 mm 7924Q1JB red 8.0 - 18.0 240 - 370 mm 120 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER 16 ID; 90 mm 7624Q1JA black 6.0 - 16.0 240 - 370 mm 90 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER 16 ID; 110 mm 7624Q1JB black 6.0 - 16.0 240 - 370 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER 16 ID; 136 mm 7624Q1JC black 6.0 - 16.0 240 - 370 mm 136 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	Griffon 13 ID; 90 mm 7524Q1GA black 4.0 - 13.0 240 - 370 mm 90 mm

16.3 MARKER COLLECTION 2017 - 2018

		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	Griffon 13 ID; 110 mm 7524Q1GB black 4.0 - 13.0 240 - 370 mm 110 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	Griffon 13 ID; 120 mm 7524Q1GC black 4.0 - 13.0 240 - 370 mm 120 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	Griffon 13 ID; 90 mm 7524Q1GD white 4.0 - 13.0 240 - 370 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	Griffon 13 ID; 110 mm 7524Q1GE white 4.0 - 13.0 240 - 370 mm 110 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	Griffon 13 ID; 120 mm 7524Q1GF white 4.0 - 13.0 240 - 370 mm 120 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	SQUIRE 11 ID; 90 mm 7424R1MA white 3.0 - 11.0 240 - 370 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	SQUIRE 11 ID; 110 mm 7424R1MB white 3.0 - 11.0 240 - 370 mm 110 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	SQUIRE 11 ID; 90 mm 7424R1MC red 3.0 - 11.0 240 - 370 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	SQUIRE 11 ID; 110 mm 7424R1MD red 3.0 - 11.0 240 - 370 mm 110 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	SQUIRE 11 ID; 90 mm 7424R1ME black 3.0 - 11.0 240 - 370 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	SQUIRE 11 ID; 110 mm 7424R1MF black 3.0 - 11.0 240 - 370 mm 110 mm

16.3 MARKER COLLECTION 2017 - 2018

	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	F12 TOUR EPF; S 265 - 325; 110 mm 7816R1SE black - anthracite 4.0 - 12.0 265 - 325 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	F12 TOUR EPF; L 305 - 365; 110 mm 7816R1LE black - anthracite 4.0 - 12.0 305 - 365 mm 110 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	F10 TOUR S 265 - 325; 90 mm 7716Q1TC black - white 3.0 - 10.0 265 - 325 mm 90 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	F10 TOUR L 305 - 365; 90 mm 7716Q1TD black - white 3.0 - 10.0 305 - 365 mm 90 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	KINGPIN 10; 75 - 100 mm 7733R1MA black - gold 5.0 - 10.0 255 - 390 mm 100 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	KINGPIN 10; 100 - 125 mm 7733R1MB black - gold 5.0 - 10.0 255 - 390 mm 125 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	KINGPIN 13; 75 - 100 mm 7933R1MA black - gold 6.0 - 13.0 255 - 390 mm 100 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	KINGPIN 13; 100 - 125 mm 7933R1MB black - gold 6.0 - 13.0 255 - 390 mm 125 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	KINGPIN 10 Demo; 75 - 100 mm 7734R1MA black - gold 5.0 - 10.0 264 - 356 mm 100 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	KINGPIN 13 Demo; 100 - 125 mm 7934R1MB black - gold 6.0 - 13.0 264 - 356 mm 125 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FREE 8; 100 mm 6324Q1MA black 2.0 - 8.0 240 - 360 mm 100 mm

16.3 MARKER COLLECTION 2017 - 2018

		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FREE 7; 85 mm 6224R1MA black 2.0 - 7.0 190 - 310 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	12.0 TPX; 90 mm 6820R1MA black 4.0 - 12.0 240 - 360 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	11.0 TP; 90 mm 6720R1MA black 3.0 - 11.0 240 - 360 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	11.0 TP; 90 mm 6720R1MB white 3.0 - 11.0 240 - 360 mm 90 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	10.0; 85 mm 6520R1MA black 3.0 - 10.0 240 - 360 mm 80 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	7.0 6220R1MA white - black 2.0 - 7.0 190 - 310 mm 70 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	7.0 6220R1MB white 2.0 - 7.0 190 - 310 mm 70 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	4.5 6120R1MA white - black 0.75 - 4.5 190 - 310 mm 70 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	4.5 6120R1MB white 0.75 - 4.5 190 - 310 mm 70 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	4.5; 85 mm 6120R1MC white - black 0.75 - 4.5 190 - 310 mm 85 mm
		Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT TPX 12.0 System; 90 mm 6862Q1MCS black - white 4.0 - 12.0 256 - 388 mm 90 mm

16.3 MARKER COLLECTION 2017 - 2018

	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT TP 11 System; 90 mm 6662Q1MCS black 3.0 - 11.0 256 - 388 mm 90 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT TP 10 System; 80 mm 6562Q1MCS black 3.0 - 10.0 256 - 388 mm 80 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT 7.0 System; L 235 - 330; 70 mm 6263R1MA white - black 2.0 - 7.0 235 - 330 mm 70 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT 4.5 System; S 190 - 285; 70 mm 6163R1MA white - black 0.75 - 4.5 190 - 285 mm 70 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT 7.0 System; L 235 - 330; 85 mm 6263R1MC white - black 2.0 - 7.0 235 - 330 mm 85 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	FDT 4.5 System; S 190 - 285; 85 mm 6163R1MC white - black 0.75 - 4.5 190 - 285 mm 85 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	7.0 RTL 6220R1MR white - black 2.0 - 7.0 240 - 304 mm 70 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	7.0 RTL; 85 mm 6220R1MW white - black 2.0 - 7.0 240 - 304 mm 85 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	4.5 RTL 6120R1MR white - black 0.75 - 4.5 200 - 264 mm 70 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER Demo; 90 mm 762001JA black 6.0 - 16.0 265 - 365 mm 90 mm
	Binding model: Marker Art. No.: Color combination: DIN / ISO Sole length min. - max.: Brake width:	JESTER Demo; 110 mm 762001JB black 6.0 - 16.0 265 - 365 mm 110 mm

16.3 MARKER COLLECTION 2017 - 2018

	Binding model: Griffon 13 D; 90 mm Marker Art. No.: 7520Q1GA Color combination: black DIN / ISO: 4.0 - 13.0 Sole length min. - max.: 256 - 388 mm Brake width: 90 mm
	Binding model: Griffon 13 D; 110 mm Marker Art. No.: 7520Q1GB Color combination: black DIN / ISO: 4.0 - 13.0 Sole length min. - max.: 256 - 388 mm Brake width: 110 mm
	Binding model: Squire 11 D; 90 mm Marker Art. No.: 7420Q1MA Color combination: black DIN / ISO: 3.0 - 11.0 Sole length min. - max.: 256 - 388 mm Brake width: 90 mm
	Binding model: Squire 11 D; 110 mm Marker Art. No.: 7420Q1MB Color combination: black DIN / ISO: 3.0 - 11.0 Sole length min. - max.: 256 - 388 mm Brake width: 110 mm
	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

16.4 MARKER TECHNICAL SPECIFICATIONS 2017 - 2018

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											
7120R1MS	Race Xcell 18	8.0 - 18.0	2608	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6920R1MS	Race Xcell 16	6.0 - 16.0	2408	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6820R1MS	Race Xcell 12	4.0 - 12.0	2348	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6520R1MT	Race 10 TCX	3.0 - 10.0	2132	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	18	16	30
6520R1MS	Race 10	3.0 - 10.0	1672	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	19	8	30
6320R1MS	Race Junior 8	2.0 - 8.0	1664	W001G1T - W012J1T - W007H1T	240 - 360	-	Alpine- Junior	14.5	19	8	30
7120P1TCM	Race Xcell 18	8.0 - 18.0	2608	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6920P1TCM	Race Xcell 16	6.0 - 16.0	2408	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6820P1TCM	Race Xcell 12	4.0 - 12.0	2348	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	15	18	16	30
6521R1TCM	Race 10 TCX	3.0 - 10.0	2132	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	18	16	30
6520P1TCM	Race 10	3.0 - 10.0	1672	W001G1T-W012J1T	240 - 360	-	Alpine- Adult	14.5	19	8	30
6320P1TCM	Race Junior 8	2.0 - 8.0	1664	W001G1T - W012J1T - W007H1T	240 - 360	-	Alpine- Junior	14.5	19	8	30
ROYAL FAMILY											
7616O1LA	Duke EPF 16 L 305 - 365; 110 mm	6.0 - 16.0	2790	W006M1T	304 - 367	8	Alpine / Gripwalk / Alpine Touring	34	36	16	30
7616O1SA	Duke EPF 16 S 265 - 325; 110 mm	6.0 - 16.0	2760	W006M1T	264 - 327	8	Alpine / Gripwalk / Alpine Touring	34	36	16	30
7516P1LA	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
7516P1SA	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
7924Q1JS	Jester 18 Pro; 90 mm	8.0 - 18.0	2182	W001G1T - W012J1T	240 - 370	4	Alpine- Adult	18	22	16	30
7924Q1JB	Jester 18 Pro; 120 mm	8.0 - 18.0	2190	W001G1T - W012J1T	240 - 370	4	Alpine- Adult	18	22	16	30
7624Q1JA	Jester 16 ID; 90 mm	6.0 - 16.0	2106	W001G1T - W012J1T	240 - 370	8	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7624Q1JB	Jester 16 ID; 110 mm	6.0 - 16.0	2112	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7624Q1JC	Jester 16 ID; 136 mm	6.0 - 16.0	2108	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524Q1GA	Griffon 13 ID; 90 mm	4.0 - 13.0	2032	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524Q1GB	Griffon 13 ID; 110 mm	4.0 - 13.0	1900	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524Q1GC	Griffon 13 ID; 120 mm	4.0 - 13.0	1920	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524Q1GD	Griffon 13 ID; 90 mm	4.0 - 13.0	2032	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524Q1GE	Griffon 13 ID; 110 mm	4.0 - 13.0	1900	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7524Q1GF	Griffon 13 ID; 120 mm	4.0 - 13.0	1920	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	30
7424R1MA	Squire 11 ID; 90 mm	3.0 - 11.0	1530	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424R1MB	Squire 11 ID; 110 mm	3.0 - 11.0	1540	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424R1MC	Squire 11 ID; 90 mm	3.0 - 11.0	1530	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424R1MD	Squire 11 ID; 110 mm	3.0 - 11.0	1540	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424R1ME	Squire 11 ID; 90 mm	3.0 - 11.0	1530	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
7424R1MF	Squire 11 ID; 110 mm	3.0 - 11.0	1540	W001G1T - W012J1T	240 - 370	4	Alpine / Gripwalk / Alpine Touring	18	22	16	25
TOUR											
7816R1SE	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
7816R1LE	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
7716Q1TC	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
7716Q1TD	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											
7733R1MA	KINGPIN 10; 75 - 100 mm	5.0 - 10.0	1534	W008P1T / W008R1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7733R1MB	KINGPIN 10; 100 - 125 mm	5.0 - 10.0	1544	W008P1T / W008R1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7933R1MA	KINGPIN 13; 75 - 100 mm	6.0 - 13.0	1550	W008P1T / W008R1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7933R1MB	KINGPIN 13; 100 - 125 mm	6.0 - 13.0	1560	W008P1T / W008R1T	255 - 390	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7734R1MA	KINGPIN 10 Demo; 75 - 100 mm	5.0 - 10.0	2020	W008P1T / W008R1T	264 - 356	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
7934R1MB	KINGPIN 13 Demo; 100 - 125 mm	6.0 - 13.0	2036	W008P1T / W008R1T	264 - 356	-	Alpine Touring w/Tec Inserts	14 pin	21	16	-
FREE											
7224Q1MA	Free Ten; 85 mm (+ screw kit)	3.0 - 10.0	1434	W001G1T - W012J1T	240 - 360	-	Alpine- Adult	18	23	8	25
7224Q1MB	Free Ten; 100 mm (+ screw kit)	3.0 - 10.0	1440	W001G1T - W012J1T	240 - 360	-	Alpine- Adult	18	23	8	25
6324Q1MA	Free 8; 100 mm	2.0 - 8.0	1636	W001G1T - W012J1T - W007H1T	240 - 360	-	Alpine- Junior	14.5	19	8	30
6224R1MA	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	2012	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720R1.MA	11.0 TP; 90 mm	3.0 - 11.0	1870	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720R1.MC	11.0 TP; 110 mm	3.0 - 11.0	1878	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720R1.MB	11.0 TP; 90 mm	3.0 - 11.0	1870	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6720R1.MD	11.0 TP; 110 mm	3.0 - 11.0	1878	W001G1T - W012J1T	240 - 370	-	Alpine / Gripwalk	17	18	16	30
6520R1.MW	10.0 TP ; 85mm	3.0 - 10.0	1582	W001G1T - W012J1T	240 - 360	-	Alpine / Gripwalk	17	23	8	30
6520R1.MB	10.0 TP ; 100 mm	3.0 - 10.0	1592	W001G1T - W012J1T	240 - 360	-	Alpine / Gripwalk	17	23	8	30
6520R1MA	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											
6862Q1.MCS	FDT TPX 12; 90 mm System	4.0 - 12.0	2040	W009P1T - W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6862R1MW	FDT TPX 12; 110 mm System	4.0 - 12.0	2146	W009P1T - W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6662Q1.MCS	FDT TP 11; 90 mm System	3.0 - 11.0	1996	W009P1T - W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	8	30
6662R1MW	FDT TP 11; 110 mm System	3.0 - 11.0	2102	W009P1T - W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	16	30
6562Q1.MCS	FDT TP 10; 80 mm System	3.0 - 10.0	1946	W009P1T - W004Q1T	260 - 388	-	Alpine / Gripwalk	26	25	8	30
6263R1MA	FDT 7.0 System; L 235 - 330; 70 mm	2.0 - 7.0	1284	W003HIT	235 - 330	-	Alpine- Adult & Junior	22	23	6	14
6163R1MA	FDT 4.5 System; S 190 - 285; 70 mm	0.75 - 4.5	1280	W003HIT	190 - 285	-	Alpine- Adult & Junior	22	23	6	14
6263R1MC	FDT 7.0 System; L 235 - 330; 85 mm	2.0 - 7.0	1294	W003HIT	235 - 330	-	Alpine- Adult & Junior	22	23	6	14
6163R1MC	FDT 4.5 System; S 190 - 285; 85 mm	0.75 - 4.5	1290	W003HIT	190 - 285	-	Alpine- Adult & Junior	22	23	6	14
6220R1MR	7.0 RTL	2.0 - 7.0	1182	W007H1T	240 - 304	-	Alpine- Adult & Junior	12	18	6	14
6220R1MW	7.0 RTL; 85 mm	2.0 - 7.0	1190	W007H1T	240 - 304	-	Alpine- Adult & Junior	12	18	6	14
6120R1MR	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
7420Q1MA	Squire 11 D; 90 mm	3.0 - 11.0	1926	W009P1T - W004Q1T	265 - 365	-	Alpine / Gripwalk	21	25	16	25
7420Q1MB	Squire 11 D; 110 mm	3.0 - 11.0	1934	W009P1T - W004Q1T	265 - 365	-	Alpine / Gripwalk	21	25	16	25

16.4 MARKER TECHNICAL SPECIFICATIONS 2017 - 2018

Product Code	Name	DIN - ISO	Color	Toe Technology	Heel Technology	Forward Pressure Type	Weight Pair (Grams)	Min - Max boot sole length (mm)
	Völk							
	WR XL FR Demo GW							
7635R1VS	iPT WR XL 14 FR GW	5.0 - 14.0	Black - White	Triple Pivot elite 2	Inter Pivot	arrow/ range	2482	268 - 371
7535R1VG	iPT WR XL 12 FR GW green	4.0 - 12.0	Black - Green	Triple Pivot elite 2	Inter Pivot	arrow/ range	2460	268 - 371
7535R1VO	iPT WR XL 12 FR GW orange	4.0 - 12.0	Black - Orange	Triple Pivot elite 2	Inter Pivot	arrow/ range	2460	268 - 371
	WideRide XL TCX Demo GW							
6835R1VO	iPT WR XL 12 TCX GW orange	4.0 - 12.0	Black - Orange	Triple Pivot elite 2	TCX	arrow/ range	2520	268 - 371
6735R1VL	iPT WR XL 11 TCX GW Lady	3.0 - 11.0	Black - White	TP Comfort inmold Lady	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
6762R1VL	VMotion 11 E GW Lady	3.0 - 11.0	Black - White	TP Compact	Compact 3	Line in Area	1560	260 - 388
6562R1VA	VMotion 10 GW	3.0 - 10.0	Black - White	TP Compact	Compact 3	Line in Area	1592	260 - 388
6562R1VL	VMotion 10 GW Lady	3.0 - 10.0	Black - White	TP Compact	Compact 3	Line in Area	1592	260 - 388
	4Motion XL Demo							
6848P1VB	4Motion XL 12.0 TCX red	4.0 - 12.0	Black - White - Red	TP Comfort inmold	TCX	arrow/ range	2528	268 - 371
6748Q1VC	4Motion XL 11.0 TCX Lady	3.0 - 11.0	Black - White	TP Comfort inmold Lady	TCX light	arrow/ range	2342	268 - 371
	Vmotion Junior							
6262R1VA	7.0 VMotion Jr. R	2.0 - 7.0	White - Black	4-linkage jr2	Compact jr2	Junior slot	1072	235 - 330
6262R1VB	7.0 VMotion Jr. R Lady	2.0 - 7.0	White	4-linkage jr2	Compact jr2	Junior slot	1072	235 - 330
6162R1VA	4.5 VMotion Jr.	0.75 - 4.5	White - Black	4-linkage jr2	Compact jr2	Junior slot	1062	190 - 285
6162R1VB	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							
6978Q1KA	MXCELL 14 TCx D	5.0 - 14.0	Black - Flo Red	Xcell	Twincam X	arrow/ range	2080	260 - 365
6878Q1KA	MXCELL 12 TCx D	4.0 - 12.0	Black - Green	Xcell	Twincam X	arrow/ range	2066	260 - 365
	MXC TCx Quikclik							
7562R1KC	MXC 12 TCx Quikclik	4.0 - 12.0	Black - Red	Triple pivot Elite 2	TCX light	Line in Area	2436	260 - 388
6862R1KD	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							
6862R1KC	M3 12 TCx light Quikclik	4.0 - 12.0	Black - Red	TP Compact	TCX light	Line in Area	1986	260 - 388
6762Q1KA	M3 11 TCx light Quikclik	3.0 - 11.0	Black - Yellow	TP Compact	TCX light	Line in Area	1966	260 - 388
6762R1KG	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 Quikclik							
6762R1KA	ERC 11 TCx light Quikclik	3.0 - 11.0	Black - Violet - Red	TP Compact	TCX light	Line in Area	1966	260 - 388
6762R1KB	ERC 11 TCx light Quikclik	3.0 - 11.0	Black- Petrol	TP Compact	TCX light	Line in Area	1966	260 - 388
6762R1KC	ERC 11 TCx light Quikclik	3.0 - 11.0	Black - Flo Red	TP Compact	TCX light	Line in Area	1966	260 - 388
6562R1KA	ER3 10 TCx light Quikclik	3.0 - 10.0	White - Red	TP Compact	TCX light	Line in Area	1966	260 - 388
	M3 / ER3 TCx light							
6870R1KC	M3 12 TCx light	4.0 - 12.0	Black - Red	TP Compact	TCX light	flush	1738	258 - 370
6770Q1KA	M3 11 TCx light	3.0 - 11.0	Black - Yellow	TP Compact	TCX light	flush	1724	258 - 370
6770R1KG	M3 11 TCx light	3.0 - 11.0	Black - Green	TP Compact	TCX light	flush	1724	258 - 370
6570R1KA	ER3 10 TCx light	3.0 - 10.0	White - Red	TP Compact	TCX light	flush	1738	258 - 321
	M3 / ER3 Compact Quikclik							
6562R1KB	M3 10 Compact Quikclik	3.0 - 10.0	Black - Anthracite	TP Compact	Compact3	Line in Area	1570	260 - 388
6562R1KK	M3 10 Compact Quikclik	3.0 - 10.0	Black - Anthracite- Yellow	TP Compact	Compact3	Line in Area	1570	260 - 388
6562R1KC	ER3 10 Compact Quikclik	3.0 - 10.0	White - Black	TP Compact	Compact3	Line in Area	1568	260 - 388
6562R1KF	ER3 10 Compact Quikclik	3.0 - 10.0	White - Petrol	TP Compact	Compact3	Line in Area	1568	260 - 388
6562R1KG	ER3 10 Compact Quikclik	3.0 - 10.0	Black - Gold	TP Compact	Compact3	Line in Area	1568	260 - 388
6562R1KL	ER3 10 Compact Quikclik	3.0 - 10.0	Black - Red	TP Compact	Compact3	Line in Area	1568	260 - 388
	M2 / ERP Quikclik							
6562R1KD	M2 10 Quikclik	3.0 - 10.0	Black - Anthracite	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
6562R1KE	ERP 10 Quikclik	3.0 - 10.0	White - Black	2linkage	Compact3	Line in Area	1564	260 - 388
6562R1KJ	ERP 10 Quikclik	3.0 - 10.0	Black - Blue	2linkage	Compact3	Line in Area	1564	260 - 388
	M3 / ER3 Compact							
6570R1KC	M3 10 Compact	3.0 - 10.0	Black - Green	TP Compact	Compact3	flush	1364	258 - 370
6570R1KD	M3 10 Compact	3.0 - 10.0	Black - Yellow	TP Compact	Compact3	flush	1364	258 - 370
6570R1KK	M3 10 Compact	3.0 - 10.0	Black - Orange - Blue	TP Compact	Compact3	flush	1364	258 - 370
6570R1KE	ER3 10 Compact	3.0 - 10.0	White - Blue	TP Compact	Compact3	flush	1364	258 - 321
6570R1KH	ER3 10 Compact	3.0 - 10.0	White - Petrol	TP Compact	Compact3	flush	1364	258 - 321
6570R1KJ	ER3 10 Compact	3.0 - 10.0	Black - Red	TP Compact	Compact3	flush	1364	258 - 370
	M2 / ERP							
6570R1KF	M2 10	3.0 - 10.0	Black - Anthracite	2linkage	Compact3	flush	1570	258 - 370
6570R1KG	ERP 10	3.0 - 10.0	White - Black	2linkage	Compact3	flush	1354	258 - 321
6570R1KB	ERP 10	3.0 - 10.0	Black - Blue	2linkage	Compact3	flush	1354	258 - 321
	Free							
7262R1KA	Free Ten Quikclik	3.0 - 10.0	Black - Anthracite	Triple Pivot light	Compact 3	Line in Area	1510	260 - 388

16.4 MARKER TECHNICAL SPECIFICATIONS 2017 - 2018

Product Code	Name	DIN - ISO	Color	Toe Technology	Heel Technology	Forward Pressure Type	Weight Pair (Grams)	Min - Max boot sole length (mm)
	BLIZZARD							
	XCELL Demo (FDT)							
6965Q1BA	XCELL 14 DEMO; 90 mm	5.0 - 14.0	Black - Anthracite- Orange	Xcell	Twincam X	Line in Area	2158	256 - 388
6865Q1BB	XCELL 12 DEMO; 90 mm	4.0 - 12.0	Black - Anthracite- Lime	Xcell	TCX Light	Line in Area	2094	256 - 388
6865Q1BO	XCELL 12 DEMO; 90 mm	4.0 - 12.0	Black - Orange - Blue	Xcell	TCX Light	Line in Area	2094	256 - 388
	TLX Demo (FDT)							
6767R1BX	TLX 11 DEMO W; 85 mm	3.0 - 11.0	Black - Silver - Bronze	2linkage	TCX light	Line in Area	1740	256 - 388
	TCX Demo (FDT)							
6867R1BA	TCX 12 DEMO; 85 mm	4.0 - 12.0	Black - Orange - Blue	TP Compact	TCX light	Line in Area	1994	260 - 388
6867R1BB	TCX 12 DEMO; 85 mm	4.0 - 12.0	Black - Anthracite- Red	TP Compact	TCX light	Line in Area	1994	260 - 388
6867R1BD	TCX 12 DEMO; 85 mm	4.0 - 12.0	Black - Anthracite- Blue	TP Compact	TCX light	Line in Area	1994	260 - 388
6867R1BY	TCX 12 DEMO; 85 mm	4.0 - 12.0	Black - Anthracite- Yellow	TP Compact	TCX light	Line in Area	1994	260 - 388
6867R1BW	TCX 12 DEMO W; 85 mm	4.0 - 12.0	Black - Anthracite- Silver	TP Compact	TCX light	Line in Area	1994	260 - 388
6767R1BA	TCX 11 DEMO; 90 mm	3.0 - 11.0	Black - Silver	TP Compact	TCX light	Line in Area	1942	260 - 388
	TP Demo (FDT)							
6564R1BA	TP 10 DEMO; 80 mm	3.0 - 10.0	Black - Anthracite- Orange	TP Compact	Compact3	Line in Area	1556	260 - 388
6564R1BB	TP 10 DEMO; 80 mm	3.0 - 10.0	Black - Anthracite- Blue	TP Compact	Compact3	Line in Area	1556	260 - 388
6564R1BC	TP 10 DEMO; 80 mm	3.0 - 10.0	Black - Anthracite	TP Compact	Compact3	Line in Area	1556	260 - 388
6564R1BW	TP 10 DEMO W; 80 mm	3.0 - 10.0	White - Anthracite - Silver	TP Compact	Compact3	Line in Area	1556	260 - 388
6564R1BS	TP 10 DEMO W; 80 mm	3.0 - 10.0	Black - Silver - Blue	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
6563R1BB	TLT 10 DEMO W; 80 mm	3.0 - 10.0	White - Anthracite - Silver	2linkage	Compact 3	Line in Area	1572	260 - 388
6563R1BC	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
6591R1BW	IQ TP 10 W	3.0 - 10.0	Black - Silver	TP Compact	Compact3	arrow/ range	1694	265 - 369
	IQ Junior System							
6294N1BA	IQ 7	2.0 - 7.0	White - Black	4-linkage jr2	Compact jr2	Junior slot	1276	245 - 330
6194N1BB	IQ 4.5	0.75 - 4.5	White - Black	4-linkage jr2	Compact jr2	Junior slot	1260	200 - 285
	NORDICA							
	Power Performance / System							
6945P1NB	N POWER X EVO	5.0 - 14.0	Smoke Grey- Black	Xcell	Twincam X	flush	1960	260 - 365
	Pro Performance / System							
6845P1NB	N PRO X EVO	4.0 - 12.0	Smoke Grey- Black	Xcell	Twincam X	flush	1962	260 - 365
6845R1NC	N PRO X EVO	4.0 - 12.0	Black - Yellow	Xcell	Twincam X	flush	1962	260 - 365
6862R1NA	TPX 12 EVO	4.0 - 12.0	Black - red	TPX	TCX light	flush	1834	260 - 365
6862R1NB	TPX 12 EVO	4.0 - 12.0	Black - Green	TPX	TCX light	flush	1840	260 - 365
6862R1NC	TPX 12 EVO	4.0 - 12.0	White - Anthracite	TPX	TCX light	flush	1846	260 - 365
	FDT							
7262R1NA	Free 11 FDT; 90 mm	3.0 - 11.0	Black - White	Triple Pivot light	Comfort2	Line in Area	1562	260 - 388
6762R1NA	TP light 11 FDT	3.0 - 11.0	Black - Anthracite	TP Compact	TCX light	Line in Area	1576	260 - 388
6762R1NC	TP light 11 FDT	3.0 - 11.0	White - Anthracite	TP Compact	TCX light	Line in Area	1576	260 - 388
6562R1NA	TP Compact 10 FDT	3.0 - 10.0	Black - Anthracite	TP Compact	Compact3	Line in Area	1576	260 - 388
6562R1NC	TP Compact 10 FDT	3.0 - 10.0	White - Anthracite	TP Compact	Compact3	Line in Area	1576	260 - 388
6563R1NA	TLT 10 FDT	3.0 - 10.0	Black - Anthracite	2linkage	Compact 3	Line in Area	1588	260 - 388
6563R1NC	TLT 10 FDT	3.0 - 10.0	White - Anthracite	2linkage	Compact 3	Line in Area	1588	260 - 388
	IQ Junior							
6294P1NB	IQ 7	2.0 - 7.0	White - Black	4-linkage jr2	Compact jr2	Junior slot	1276	245 - 330
6194P1NB	IQ 4.5	0.75 - 4.5	White - Black	4-linkage jr2	Compact jr2	Junior slot	1260	200 - 285
	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

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.	Skier Type: (Check One)	
Height: _____ ft. _____ in.	☐ ☐ ☐ ☐ ☐	
Age: _____		
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	_____
	Tax	_____
Deposit: _____	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		_____
Initial Setting _____	Left _____ Right _____	Toe _____
Final Settings _____	_____	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

Date Out:Time Out:

Date In:Time In:

Actual Return Date:Return Time:

Name: LastFirstInitial

Home Phone: ()

Address: Street:Local Accommodations:

City:State:Zip:Local Phone: ()

E-mail Address:

Yourskiing

Your Weight: lbs.Your Height: ft. in.Your Age:

Skier Type: (Check)

Equipment Damage WaiverAcceptedInitialDeclinedInitial

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)

CashCheckCredit CardVisaMasterCardDiners ClubAmerican ExpressOther:

Credit Card: Expiration Date: No.: cvv:

Deposit \$

Balance \$

Inventory No./Code

SkiBootBindingPole

SizeSole LengthModelSize

cmmmin.

Skiing

Skier Code:Final Settings

LeftRight

ToeHeel

Boot Sole Type (check one)

☐Alpine (ISO 5355)

☐Alpine Touring (ISO 9523)

☐GRIPWALK (ISO 9523)

☐Other

Technician's Signature:Date:

MARKER

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.

Date

WARNING, ASSUMPTION of RISK, LIABILITY RELEASE, INDEMNITY and HOLD HARMLESS AGREEMENT and AGREEMENT NOT TO SUE
PLEASE READ CAREFULLY BEFORE SIGNING

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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		Equipment Information	
Name: _____ Accident Date: _____		Ski Brand: _____ Model: _____ Length: _____ cm	
Last Service Date: _____ Record #: _____		Serial #: _____ Rental #(if applicable): _____	
Weight: _____ Height: _____ Age: _____ Sex: M F (circle one)		Boot Brand: _____ Model #: _____	
Skier Type: I II III -I III+ (circle one)		Boot Sole: _____ mm Rental #(if applicable): _____	
Injury: _____ Right or Left (circle one)		Binding Brand: _____ Binding Model: _____	
Ski Area: _____ State: _____		Toe Visual Indicator scale: _____ to _____	
Comments: _____		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		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: _____	

LEFT (check one)		RIGHT (check one)	
Yes No NA		Yes No NA	
Ski / Binding / Boot			
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: _____	



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 releasability 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.



MARKER

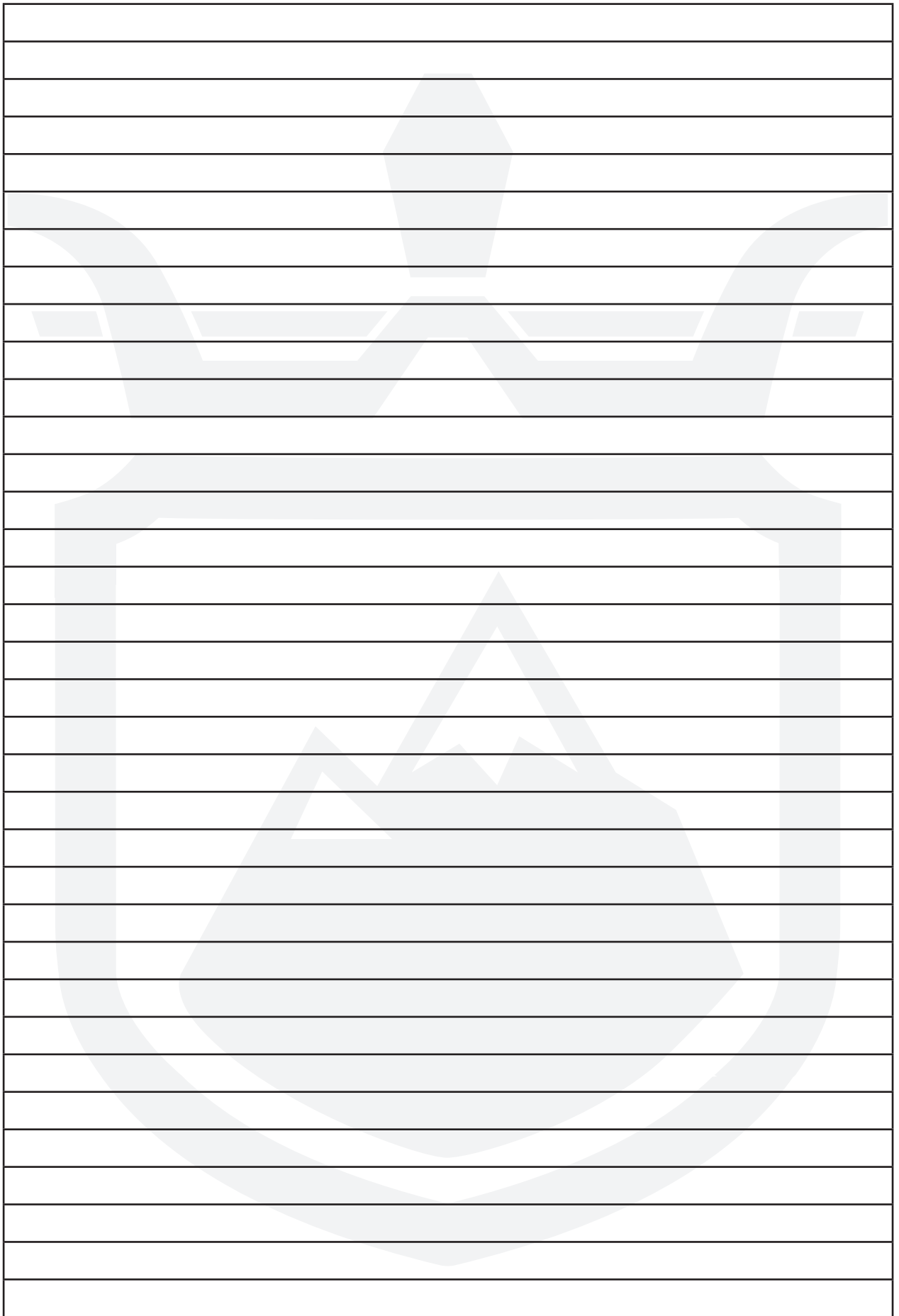
2017/2018 ADJUSTMENT CHART

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					TORQUE RANGE newton meters Reference Value R Inspection Range In - Use Range 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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