

SKI TECHNOLOGY

LAMINATES

Laminates contribute towards the rebound and power transmission of a ski. In our skis we use two different sorts:

CARBON FIBREGLASS LAMINATE



FIBREGLASS LAMINATES

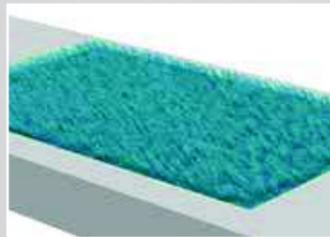


GRIP TECHNOLOGIES

A Grip technology provides grip in the kick zone without the need for kick wax. We have three different types:

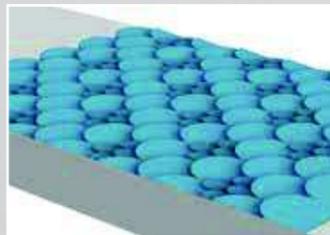
SKINTEC

Our high-performance waxless technology, with Mohair skin grip zones, now featured across the range.



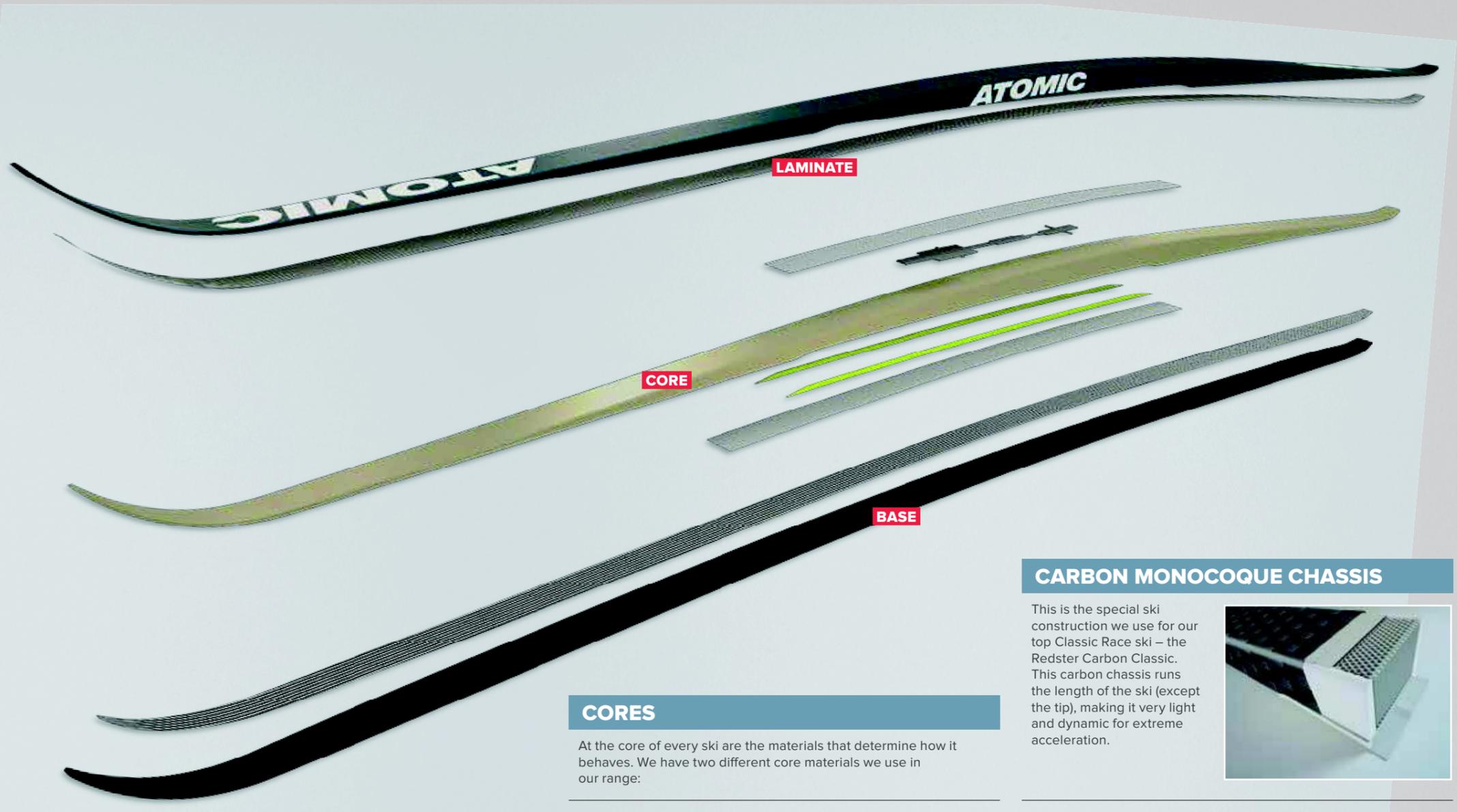
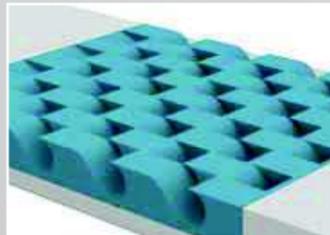
POSIGRIP 3D

Our versatile grip technology used on some of our all-round skis.



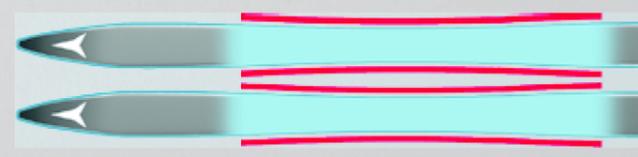
G2 SYNCRO

A grip technology, ideal for newcomers to the classic track.



SIDECUTS

We have different types of sidecut – from a narrow sidecut for fast racing to wider sidecuts for more stability.



BASES

All our skis have high-quality bases. These are fast on every snow, can stand up to everything and are easy to maintain:

- Black base: BI 5000 (World Cup base)
- BI 4000, 3000, 2000
- BI 1500 (Touring base)

White base (CB): BI 5000 (World Cup base)

CORES

At the core of every ski are the materials that determine how it behaves. We have two different core materials we use in our range:

NOMEX

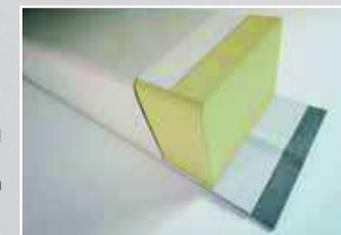
An ultra-lightweight material originally used in aerospace. It's structured like a honeycomb for strength, resilience and liveliness. We also use it in combination with Densolite.



NOMEX CORES:
Featherlight, Featherlight SDS, Lite, Lite SDS

DENSOLITE

Light, stable and tough. Densolite is produced in Atomic's own facilities and comes in three variations: Densolite, High Densolite and Ultra High Densolite. They're all equally tough, but the High and Ultra High versions are lighter and more dynamic.



DENSOLITE CORES:
Speedcell, Helium Densolite, Ultra High Densolite, Ultra High Densolite SDS, High Densolite, Densolite

CARBON MONOCOQUE CHASSIS

This is the special ski construction we use for our top Classic Race ski – the Redster Carbon Classic. This carbon chassis runs the length of the ski (except the tip), making it very light and dynamic for extreme acceleration.

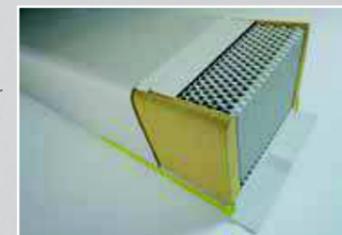


SIDEWALLS

Putting a sidewall on a cross-country ski helps with steering and power transmission. We have two different sidewalls that feature on our high-performance Redster skis:

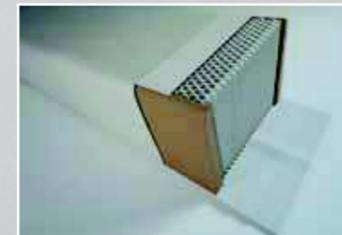
STEP DOWN SIDEWALL

with Densolite sidewall or lightwood sidewall for Redster WC Classics.



LIGHTWEIGHT WOOD SIDEWALL

for Redster WC Skates.

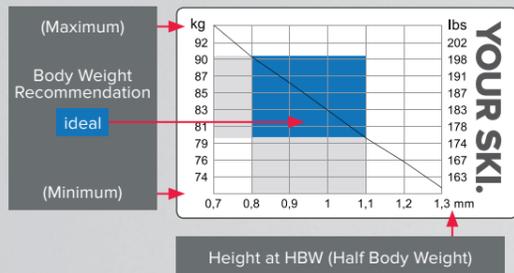


WEIGHT RECOMMENDATION NORDIC SKIS

On every Worldcup ski we make there is a sticker that shows the important technical information about that ski. This includes its ideal weight range, based on the ski's specific length and flex. There are two different stickers, one for Classic and one for Skate:

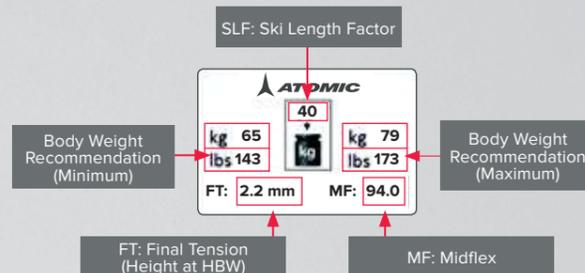
CLASSIC

This sticker includes a color coding for different conditions: cold (blue), universal (yellow) or warm (red). The sticker shown below is for a cold ski which is recommended for skiers between 72 – 94 kg, perfectly suitable for 80 – 90 kg.



SKATE

The sticker shown below is for a ski which is recommended for skiers between 65-79 kg, or 143-173 lbs.



RACE CLASSIC

	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs
REDSTER CARBON CLASSIC	192 cm		197 cm		202 cm		207 cm					
cold med	-	-	-	-	70-80	154-176	80-90	176-198	-	-	-	-
cold soft	45-60	99-132	50-60	110-132	60-70	132-154	70-80	154-176	-	-	-	-
universal hard	-	-	-	-	-	-	90-105(+)	198-231(+)	-	-	-	-
universal med	55-65	121-143	60-70	132-154	70-80	154-176	80-90	176-198	-	-	-	-
universal soft	45-60	99-132	50-60	110-132	60-70	132-154	70-80	154-176	-	-	-	-
plus med	50-65	110-143	65-80	143-176	75-90	165-198	-	-	-	-	-	-
plus CB med	-	-	50-65	110-143	65-80	143-176	75-90	165-198	-	-	-	-
REDSTER WORLDCUP CLASSIC	192 cm		197 cm		202 cm		207 cm					
cold soft	45-60	99-132	50-65	110-143	60-70	132-154	70-80	154-176	-	-	-	-
cold med	-	-	-	-	70-80	154-176	80-90	176-198	-	-	-	-
universal med	55-65	121-143	60-70	132-154	70-80	154-176	80-90	176-198	-	-	-	-
universal hard	-	-	-	-	80-90	176-198	90-105(+)	198-231(+)	-	-	-	-
REDSTER MARATHON CLASSIC	192 cm		197 cm		202 cm		207 cm					
med	50-60	110-132	55-65	121-143	70-80	154-176	75-90	165-198	-	-	-	-
hard	55-65	121-143	60-70	132-154	80-90	176-198	90-100(+)	198-220(+)	-	-	-	-
REDSTER SKINTEC	177 cm		184 cm		191 cm		198 cm		205 cm			
med	35-50	77-110	40-55	88-121	45-60	99-132	60-75	132-165	70-85	154-187	-	-
hard	-	-	50-65	110-143	55-70	121-154	70-90	154-198	80-95(+)	176-209(+)	-	-
REDSTER CLASSIC	181 cm		188 cm		195 cm		202 cm		209 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-

RACE SKATE

REDSTER WORLDCUP SKATE A1	173 cm		179 cm		185 cm		191 cm					
compact hard	-	-	-	-	67-79	147-174	80-92	176-202	-	-	-	-
compact soft	40-50	88-110	45-55	99-121	55-66	121-145	65-79	143-174	-	-	-	-
REDSTER WORLDCUP SKATE A2	172 cm		178 cm		184 cm		190 cm					
uni soft	40-50	88-110	45-55	99-121	55-66	121-145	65-79	143-174	-	-	-	-
uni hard	-	-	-	-	67-79	147-174	80-92	176-202	-	-	-	-
uni hard xstiff	-	-	-	-	-	-	90-120	198-264	-	-	-	-
plus CB soft	40-50	88-110	45-55	99-121	55-66	121-145	65-79	143-174	-	-	-	-
plus CB hard	-	-	-	-	67-79	147-174	80-92	176-202	-	-	-	-
REDSTER MARATHON SKATE	172 cm		178 cm		184 cm		190 cm					
soft	40-55	88-121	50-65	110-143	55-70	121-154	65-80	143-176	-	-	-	-
hard	-	-	-	-	65-80	143-176	75-95(+)	165-209(+)	-	-	-	-
REDSTER SKATE	172 cm		178 cm		184 cm		190 cm					
-	40-55	88-121	50-65	110-143	60-80	132-176	75-100(+)	165-220(+)	-	-	-	-

SPORT CLASSIC

	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs
SPORT PRO SKINTEC	176 cm		184 cm		192 cm		200 cm		208 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
xstiff	-	-	-	-	-	-	-	-	90-120(+)	198-264(+)	-	-
SPORT PRO SKINTEC L	176 cm		184 cm		192 cm		200 cm		208 cm			
-	50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	-	-	-	-
PRO SKINTEC	181 cm		188 cm		195 cm		202 cm		209 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
xstiff	-	-	-	-	-	-	-	-	90-120(+)	198-264(+)	-	-
SPORT CLASSIC	186 cm		193 cm		200 cm		207 cm					
-	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-	-	-
PRO CLASSIC	181 cm		188 cm		195 cm		202 cm		209 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
PRO CLASSIC L	181 cm		188 cm		195 cm							
-	50-60	110-132	55-65	121-143	60-70	132-154	-	-	-	-	-	-

SPORT SKATE

SPORT SKATE	172 cm		178 cm		184 cm		190 cm					
-	40-55	88-121	50-65	110-143	60-80	132-176	75-100(+)	165-220(+)	-	-	-	-
PRO SKATE	172 cm		178 cm		184 cm		190 cm					
-	40-55	88-121	50-65	110-143	60-80	132-176	75-100(+)	165-220(+)	-	-	-	-
PRO COMBI	172 cm		178 cm		184 cm		190 cm					
-	40-55	88-121	50-65	110-143	60-80	132-176	75-100(+)	165-220(+)	-	-	-	-
PRO SKATE L	166 cm		172 cm		178 cm		184 cm					
-	40-55	88-121	45-60	99-132	55-65	121-143	60-75	132-165	-	-	-	-

TOURING MID SIZE

MOTION SKINTEC	174 cm		184 cm		194 cm		204 cm					
-	50-65	110-143	55-70	121-154	70-85	154-187	80-95	176-209	95-110(+)	209-242(+)	-	-
xstiff	-	-	-	-	-	-	-	-	-	-	-	-
MOTION SKINTEC W	174 cm		184 cm		194 cm							
-	50-65	110-143	55-70	121-154	70-85	154-187	-	-	-	-	-	-
MOTION 46 WAX	179 cm		186 cm		193 cm		200 cm		207 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
MOTION 46 GRIP	179 cm		186 cm		193 cm		200 cm		207 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
MOTION 52 WAX	177 cm		184 cm		191 cm		198 cm		205 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
MOTION 52 GRIP	177 cm		184 cm		191 cm		198 cm		205 cm			
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-
MOTION 52 GRIP W	177 cm		184 cm		191 cm		198 cm					
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	-	-	-	-

TOURING SHORT SIZE

MOTION XCRUISE 53 POSIGRIP	163 cm		173 cm		183 cm		193 cm					
-	55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	-	-	-	-
xstiff	-	-	-	-	80-95	176-209	90-100(+)	198-220(+)	-	-	-	-
MOTION XCRUISE 55 GRIP	163 cm		173 cm		183 cm		193 cm					
-	55-70	121-154	60-75	132-165	70-95	154-209	75-100(+)	165-220(+)	-	-	-	-
MOTION XCRUISE 55 GRIP W	163 cm		173 cm		183 cm							
-	40-55	88-121	50-65	110-143	60-75	132-165	-	-	-	-	-	-

JUNIOR CLASSIC

REDSTER WORLDCUP CLASSIC JR	145 cm		155 cm		165 cm		175 cm		185 cm			
soft	20-30	44-66	25-35	55-77	30-40	66-88	35-45	77-99	40-50	88-110	-	-
med	-	-	-	-	-	-	45-55	99-121	50-60	110-132	-	-
REDSTER SKINTEC JUNIOR	148 cm		158 cm		168 cm		175 cm					
-	20-30	44-66	25-35	55-77	30-40	66-88	40-50	88-110	-	-	-	-
SPORT GRIP JR	90 cm		100 cm		110 cm		120 cm		130 cm		140 cm	
-	15-30	33-66	18-33	40-73	22-37	48-81	24-39	53-86	30-45	66-99	32-47	70-103
SPORT GRIP JR	150 cm		160 cm		170 cm							
-	34-49	75-108	36-51	79-112	38-53	84-117	-	-	-	-	-	-

JUNIOR SKATE

SKI TECHNICAL SPECIFICATIONS

PRODUCT NAME	ART.NO.	SET NO.	SIZE	SIDECUT	CONSTRUCTION	BASE INDEX	CORE	GRIP
RACE								
RACE CLASSIC								
REDSTER CARBON CLASSIC	AB0020808 plus CB medium (white base) AB0020790 plus medium AB0020788 universal hard AB0020786 universal medium AB0020784 universal soft AB0020792 cold medium AB0020782 cold soft		197, 202, 207 197, 202, 207 207 192, 197, 202, 207 192, 197, 202, 207 202, 207 192, 197, 202, 207	37-44-34	Carbon Race	BI 5000	Nomex Featherlight SDS	
REDSTER WORLDCUP CLASSIC	AB0020794 universal hard AB0020796 universal medium AB0020806 cold medium AB0020804 cold soft		202, 207 192, 197, 202, 207 202, 207 192, 197, 202, 207	41-41-44	Race + Carbon Laminate	BI 5000	Nomex Featherlight SDS	
REDSTER SKINTEC	AB0020646 hard AB0020644 medium		184, 191, 198, 205 177, 184, 191, 198, 205	41-44-41	Race Skintec + Carbon Laminate	BI 5000	Ultra High Densolite SDS	Skintec Module
REDSTER MARATHON CLASSIC	AB0020654 hard AB0020660 medium		192, 197, 202, 207	41-41-44	Race + Carbon Laminate	BI 5000	Nomex Lite SDS	
REDSTER CLASSIC	AB0020754 hard AB0020752 medium		181, 188, 195, 202, 209	44-45-44	Race + Carbon Laminate	BI 5000	Speedcell	
RACE SKATE								
REDSTER WORLDCUP SKATE - A1	AB0020752 medium AB0020640 compact soft		173, 179, 185, 191	43,5-43-45	Race + Carbon Laminate	BI 5000	Nomex Featherlight	
REDSTER WORLDCUP SKATE - A2	AB0020664 universal hard AB0020668 universal soft AB0020674 universal xstiff AB0020672 plus CB hard (white base) AB0020666 plus CB soft (white base)		172, 178, 184, 190 172, 178, 184, 190 190 172, 178, 184, 190 172, 178, 184, 190	44-43-44	Race + Carbon Laminate	BI 5000	Nomex Featherlight	
REDSTER MARATHON SKATE	AB0020670 hard AB0020676 soft		172, 178, 184, 190	44-43-44	Race + Carbon Laminate	BI 5000	Nomex Lite	
REDSTER SKATE	AB0020750		172, 178, 184, 190	43-44-44	Race + Carb. Lam.	BI 5000	Speedcell	
SPORT								
SPORT PRO CLASSIC								
SPORT PRO SKINTEC	AB0020692 AB0020694 XSTIFF		176, 184, 192, 200, 208 208	43-44-43	Sport Skintec + Carbon Laminate	BI 5000	Ultra High Dens. SDS	Skintec Snap Skin
SPORT PRO SKINTEC L	AB0020690		176, 184, 192, 200	43-44-43	Sport Skintec + Carbon Laminate	BI 5000	Ultra High Densolite SDS	Skintec Snap Skin
PRO SKINTEC	AB0020678 AB0020780 XSTIFF	ABPM00180 (+ Prolink Pro Classic)	181, 188, 195, 202, 209 209	45-45-45	Sport Skintec	BI 4000	Ultra High Densolite	Skintec Bonded Skin
PRO CLASSIC	AB0020680		181, 188, 195, 202, 209	45-45-45	Sport	BI 3000	Ultra High Densolite	
PRO CLASSIC L	AB0020682		181, 188, 195	45-45-45	Sport	BI 3000	Ultra High Densolite	
SPORT CLASSIC	AB0020612		186, 193, 200, 207	46-46-46	Sport	BI 2000	High Densolite	
SPORT PRO SKATE								
PRO SKATE	AB0020686		172, 178, 184, 190	43-44-44	Sport	BI 3000	Ultra High Densolite	
PRO SKATE L	AB0020688		166, 172, 178, 184	43-44-44	Sport	BI 3000	Ultra High Densolite	
PRO COMBI	AB0020702		172, 178, 184, 190	43-44-44	Sport	BI 3000	Ultra High Densolite	
SPORT SKATE	AB0020684	ABPM00178 (+ SNS Pilot Sport Skate)	172, 178, 184, 190	43-44-44	Sport	BI 2000	High Densolite	

SKI TECHNICAL SPECIFICATIONS

PRODUCT NAME	ART.NO.	SET NO.	SIZE	SIDECUT	CONSTRUCTION	BASE INDEX	CORE	GRIP
TOURING								
MOTION (MID SIZE)								
MOTION SKINTEC	AB0020766	ABPM00194 (+ Prolink Access Classic) ABPM00186 (+ SNS Access)	174, 184, 194, 204	51-46-48	Touring 3D	BI 3000	High Densolite	Skintec Bonded Skin
MOTION SKINTEC XSTIFF	AB0020764 XSTIFF		204	51-46-48	Touring 3D	BI 3000	High Densolite	Skintec Bonded Skin
MOTION SKINTEC W	AB0020798		174, 184 194	51-46-48	Touring 3D	BI 3000	High Densolite	Skintec Bonded Skin
MOTION 52 GRIP	AB0020772	ABPM00188 (+ SNS Access)	177, 184, 191, 198, 205	52-47-49	Touring	BI 1500	Densolite	G2 Syncro
MOTION 52 WAX	AB0020768		177, 184, 191, 198, 205	52-47-49	Touring	BI 1500	Densolite	
MOTION 52 GRIP W	AB0020770		177, 184, 191, 198	52-47-49	Touring	BI 1500	Densolite	G2 Syncro
MOTION 46 WAX	AB0020774	ABPM00182 (+ SNS Access)	179, 186, 193, 200, 207	46-46-46	Touring	BI 1500	Densolite	
MOTION 46 GRIP	AB0020776	ABPM00184 (+ SNS Access)	179, 186, 193, 200, 207	46-46-46	Touring	BI 1500	Densolite	G2 Syncro
MOTION XCRUISE (SHORT SIZE)								
MOTION XCRUISE 53 POSIGRIP	AB0020760 AB0020762 XSTIFF (only 183, 193 cm)		163 , 173 , 183 , 193 183 , 193	53-48-51	Touring Xcruise 3D	BI 2000	Helium Densolite	Posigrip
MOTION XCRUISE 55 GRIP	AB0020758	APBM00190 (+ SNS Access)	163, 173, 183, 193	55-49-52	Touring Xcruise	BI 1500	Densolite	G2 Syncro
MOTION XCRUISE 55 GRIP W	AB0020756		163, 173, 183	55-49-52	Touring Xcruise	BI 1500	Densolite	G2 Syncro
JUNIOR								
REDSTER CLASSIC JR								
REDSTER WORLDCUP CLASSIC JR	AB0020634 medium AB0020636 soft		175, 185 145, 155, 165, 175, 185	46-44-45	Race Junior	BI 5000	Speedcell	
REDSTER SKINTEC JR	AB0020748 AB0020810 (NPD - not pre drilled)	ABPM00192 (+ SNS Access Junior) ABPM00196 (+ Prolink Access Junior)	148, 158, 168, 175	45-45-45	Race Junior	BI 5000	High Densolite	Skintec Bonded Skin Jr
RACE SKATE JR								
REDSTER WORLDCUP SKATE JR	AB0020638		137, 144, 151, 158, 165, 172	44-42-44	Race Junior	BI 5000	Speedcell	
REDSTER SKATE JR	AB0020696		138, 148, 158, 163, 168	45-45-45	Race Junior	BI 3000	High Densolite	
REDSTER COMBI JR	AB0020700		138, 148, 158, 163, 168	45-45-45	Race Junior	BI 3000	High Densolite	
SPORT JR								
SPORT GRIP JR	AB0020616	ABPM00176 (+ SNS Universal JR)	90, 100, 120, 130, 140, 150, 160, 170	52-47-49	Sport Junior	BI 1500	Densolite	G2 Syncro