

# 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

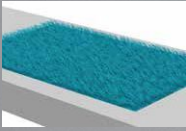


## GRIP TECHNOLOGIES

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

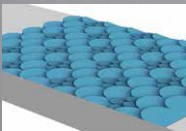
### SKINTEC

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



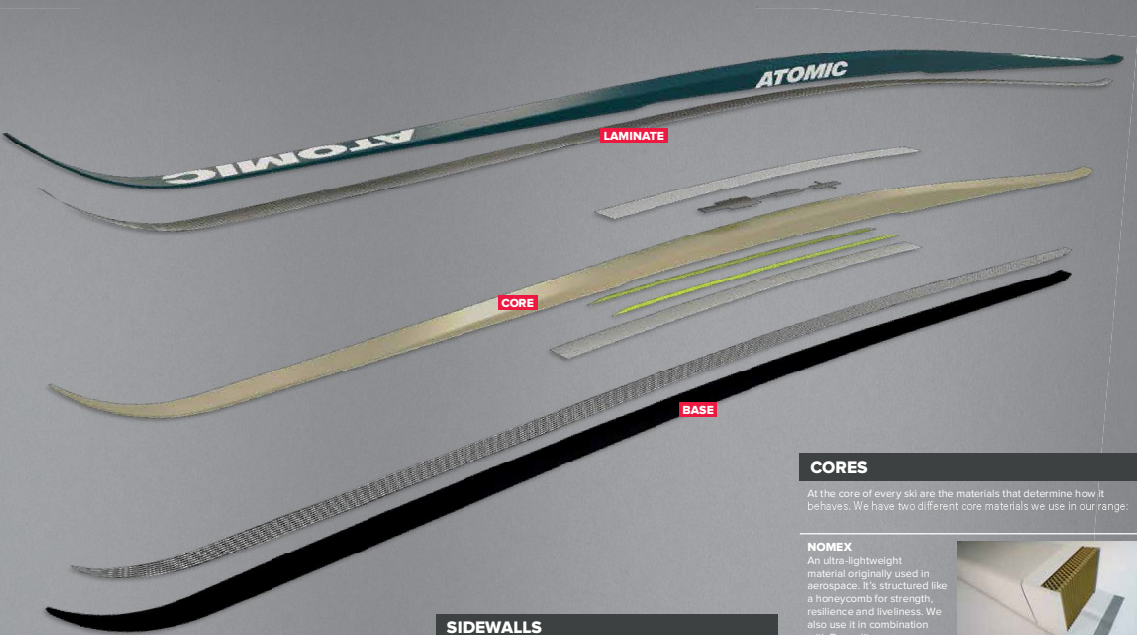
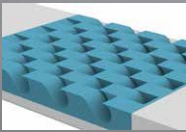
### POSIGRIP 3D

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



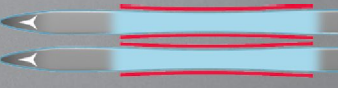
### G2 SYNCRO

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: BI 5000 (World Cup base)

## 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:

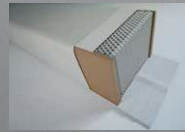
### STEP DOWN SIDEWALL

with Densolite sidewall or lightwood sidewall for Redster WC Classics.



### LIGHTWEIGHT WOOD SIDEWALL

for Redster WC Skates.



## 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, SDS Featherlight, Lite, SDS Lite, Mexcell, Powercell

### 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:

- Step Down Sidewall, Speedcell, Helium Tube, Ultra High Densolite, High Densolite, Densolite

**WEIGHT RECOMMENDATION**

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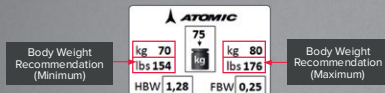
**WEIGHT RECOMMENDATION NORDIC SKIS**

The Atomic sticker shows the most important technical information.

**Body Weight Recommendation:**

Every ski of a specific length and flex is usable for a particular weight range. The sticker shown below is on a ski which is recommended for 70-80 kg, or 154-176 lbs.

Note: The Body Weight Recommendation is also printed on every single ski, just above the binding.



	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs
<b>RACE CLASSIC</b>												
<b>REDSTER WORLDCUP CLASSIC A1</b>												
192 cm			197 cm		202 cm		207 cm					
cold soft	45-55	99-121	50-60	110-132	60-70	132-154	65-75	143-165	-	-	-	-
cold med	50-60	110-132	55-65	121-143	70-80	154-176	75-90	165-198	-	-	-	-
cold hard	55-65	121-143	60-70	132-154	80-90	176-198	90-100	198-220	-	-	-	-
<b>REDSTER WORLDCUP CLASSIC A2</b>												
192 cm			197 cm		202 cm		207 cm					
plus soft	45-55	99-121	50-60	110-132	60-70	132-154	65-75	143-165	-	-	-	-
plus med	50-60	110-132	55-65	121-143	70-80	154-176	75-90	165-198	-	-	-	-
plus hard	55-65	121-143	60-70	132-154	80-90	176-198	90-100	198-220	-	-	-	-
<b>REDSTER MARATHON CLASSIC</b>												
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	-	-	-	-
<b>REDSTER SKINTEC</b>												
172 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	-	-
<b>REDSTER VASA CLASSIC</b>												
181 cm			186 cm		201 cm		206 cm					
med	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	-	-	-	-
<b>REDSTER CLASSIC</b>												
191 cm			196 cm		201 cm		206 cm					
med	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	-	-	-	-
<b>RACE SKATE</b>												
<b>REDSTER WORLDCUP SKATE A1</b>												
173 cm			179 cm		185 cm		191 cm					
soft	40-50	88-110	45-55	99-121	55-65	121-145	65-75	143-174	-	-	-	-
hard	45-55	99-121	55-65	121-145	67-79	147-174	80-92	176-202	-	-	-	-
<b>REDSTER WORLDCUP SKATE A2</b>												
172 cm			178 cm		184 cm		190 cm					
uni soft	40-50	88-110	45-55	99-121	55-65	121-145	65-79	143-174	-	-	-	-
uni hard	45-55	99-121	55-65	121-145	67-79	147-174	80-92	176-202	-	-	-	-
uni xstiff	-	-	-	-	-	-	90-120	198-264	-	-	-	-
plus CB soft	40-50	88-110	45-55	99-121	55-65	121-145	65-79	143-174	-	-	-	-
plus CB hard	45-55	99-121	55-65	121-145	67-79	147-174	80-92	176-202	-	-	-	-
<b>REDSTER MARATHON SKATE</b>												
172 cm			178 cm		184 cm		190 cm					
soft	40-50	88-110	45-55	99-121	55-65	121-145	65-79	143-174	-	-	-	-
hard	45-55	99-121	55-65	121-145	67-79	147-174	80-92	176-202	-	-	-	-
<b>REDSTER VASA SKATE</b>												
172 cm			178 cm		184 cm		190 cm					
med	45-55	99-121	55-65	121-143	65-78	143-172	77-92	169-202	-	-	-	-
hard	50-65	110-143	60-75	132-165	80-95	176-209	90-100	198-220	-	-	-	-
<b>REDSTER SKATE</b>												
172 cm			178 cm		184 cm		190 cm					
med	45-55	99-121	55-65	121-143	65-78	143-172	77-92	169-202	-	-	-	-
hard	50-65	110-143	60-75	132-165	80-95	176-209	90-100	198-220	-	-	-	-

	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs
<b>SPORT CLASSIC</b>												
<b>SPORT PRO SKINTEC</b>												
172 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	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>SPORT PRO SKINTEC L</b>												
172 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	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>SPORT PRO SKINTEC XSTIFF</b>												
172 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	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>PRO SKINTEC</b>												
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	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>SPORT PRO CLASSIC</b>												
191 cm			196 cm		201 cm		206 cm		211 cm			
40-55	88-121	45-60	99-132	60-75	132-165	70-85	154-187	-	-	-	-	-
50-65	110-143	55-70	121-154	70-90	154-198	80-95	176-209	-	-	-	-	-
<b>PRO CLASSIC</b>												
181 cm			186 cm		191 cm		196 cm		201 cm			
55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100	165-220	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>PRO CLASSIC L</b>												
181 cm			186 cm		191 cm		196 cm		201 cm			
55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100	165-220	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>SPORT CLASSIC</b>												
198 cm			203 cm		208 cm		213 cm		218 cm			
55-70	121-154	60-75	132-165	70-95	154-209	75-100	165-220	75-100	165-220	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>SPORT SKATE</b>												
<b>SPORT PRO SKATE</b>												
172 cm			178 cm		184 cm		190 cm					
40-55	88-121	45-55	99-132	55-70	121-154	65-80	143-202	-	-	-	-	-
50-65	110-143	55-70	121-154	65-80	143-202	75-90	165-220	-	-	-	-	-
<b>PRO COMBI</b>												
172 cm			178 cm		184 cm		190 cm					
40-55	88-121	45-55	99-132	55-70	121-154	65-80	143-202	-	-	-	-	-
50-65	110-143	55-70	121-154	65-80	143-202	75-90	165-220	-	-	-	-	-
<b>SPORT SKATE</b>												
172 cm			178 cm		184 cm		190 cm					
40-55	88-121	45-55	99-132	55-70	121-154	65-80	143-202	-	-	-	-	-
50-65	110-143	55-70	121-154	65-80	143-202	75-90	165-220	-	-	-	-	-
<b>SPORT SKATE L</b>												
172 cm			178 cm		184 cm		190 cm					
40-55	88-121	45-55	99-132	55-70	121-154	65-80	143-202	-	-	-	-	-
50-65	110-143	55-70	121-154	65-80	143-202	75-90	165-220	-	-	-	-	-
<b>SPORT SKATE W</b>												
172 cm			178 cm		184 cm		190 cm					
40-55	88-121	45-55	99-132	55-70	121-154	65-80	143-202	-	-	-	-	-
50-65	110-143	55-70	121-154	65-80	143-202	75-90	165-220	-	-	-	-	-
<b>TOURING MID SIZE</b>												
<b>MOTION LITE S2 POSI GRIP</b>												
174 cm			184 cm		194 cm		204 cm					
55-70	121-154	60-75	132-165	70-95	154-209	75-100	165-220	-	-	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>MOTION 46 WAX</b>												
174 cm			184 cm		194 cm		204 cm		207 cm			
55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100	165-220	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>MOTION 46 GRIP</b>												
174 cm			184 cm		194 cm		204 cm		207 cm			
55-65	121-143	55-70	121-154	60-75	132-165	70-95	154-209	75-100	165-220	-	-	-
50-60	110-132	55-65	121-143	60-70	132-154	65-75	143-165	70-80	154-187	-	-	-
<b>MOTION 52 WAX</b>												
172 cm			184 cm		191 cm		198 cm		205 cm	</		

SKI TECHNICAL SPECIFICATIONS

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PRODUCT NAME	ART.N.O.	SET NO.	SIZE	SIDE CUT	PROFILE	BASE INDEX	CORE	GRIP
<b>RACE</b>								
<b>REDSTER CLASSIC</b>								
REDSTER WORLD CUP CLASSIC	AB0020650+ HARD, AB0020648+ MED, AB0020652+ SOFT, AB0020651+ HARD/C19.D, AB0020653+ MED/COLD, AB0020654+ SOFT/COLD		192, 197, 202, 207	41-41.44	WC RACE PROFILE	B1 5000	NOMEX FEATHERLIGHT	
REDSTER MARATHON CLASSIC	AB0020654+ HARD, AB0020656+ MED		192, 197, 202, 207	41-41.44	WC RACE PROFILE	B1 5000	NOMEX LITE	
REDSTER SKINTEC	AB0020648+ HARD, AB0020648+ MED		177 (with 184, 191, 198, 205)	41-44.48	RACE PROFILE SKINTEC	B1 5000	SEAWALL CORE	SKINTEC MODULE
REDSTER VASA CLASSIC	AB0020704+ HARD, AB0020652+ MED		191, 195, 201, 206	44.5-42.44	RACE PROFILE	B1 5000	MEXCEL	
REDSTER CLASSIC	AB0020630+ HARD, AB0020629+ MED		191, 195, 201, 206	44.5-42.44	RACE PROFILE	B1 4000	POWERCELL	
<b>REDSTER SKATE</b>								
REDSTER WORLD CUP SKATEA1	AB0020662+ HARD, AB0020660+ SOFT		173, 179, 185, 191	43.5-43.45	WC RACE PROFILE	B1 5000	NOMEX FEATHERLIGHT	
REDSTER WORLD CUP SKATEA2	AB0020664+ HARD, AB0020668+ SOFT, AB0020674+ UNI XSTIFF, AB0020672+ PLUS HARD, AB0020666+ PLUS SOFT		172, 178, 184, 190 UNI XSTIFF only 190	44.43-44	WC RACE PROFILE	B1 5000	NOMEX FEATHERLIGHT	
REDSTER MARATHON SKATE	AB0020670+ HARD, AB0020676+ SOFT		172, 178, 184, 190	44.43-44	WC RACE PROFILE	B1 5000	NOMEX LITE	
REDSTER VASA SKATE	AB0020658+		172, 178, 184, 190	44.42-43.5	RACE PROFILE	B1 5000	MEXCEL	
REDSTER SKATE	AB0020620+		172, 178, 184, 190	44.42-43.5	RACE PROFILE	B1 4000	POWERCELL	
<b>SPORT</b>								
<b>SPORT PRO CLASSIC</b>								
SPORT PRO SKINTEC	AB0020692+, AB0020694+ UNI XSTIFF		176, 181, 187, 200, 208 UNI XSTIFF only 208	43-44.43	SPORT PROFILE SKINTEC	B1 5000	SEAWALL CORE	SKINTEC SNAP
SPORT PRO SKINTEC L	AB0020690+		176, 184, 192, 200	43-44.43	SPORT PROFILE SKINTEC	B1 5000	SEAWALL CORE	SKINTEC SNAP
SPORT PRO CLASSIC	AB0020706+ HARD, AB0020628+ MED		191, 196, 201, 206	44.5-42.44	SPORT PROFILE 3D	B1 4000	SPEEDCELL	
PRO SKINTEC	AB0020678+		181, 188, 195, 202, 209	45-45.45	SPORT PROFILE	B1 4000	ULTRA HIGH DENSOLITE	SKINTEC BONDED
PRO CLASSIC	AB0020690+		181, 188, 195, 202, 209	45-45.45	SPORT PROFILE	B1 3000	ULTRA HIGH DENSOLITE	
PRO CLASSIC L	AB0020582+		181, 185, 195	45-45.45	SPORT PROFILE	B1 3000	ULTRA HIGH DENSOLITE	
SPORT CLASSIC	AB0020692+		186, 193, 200, 207	46-46.46	SPORT PROFILE	B1 2000	HIGH DENSOLITE	
<b>SPORT PRO SKATE</b>								
SPORT PRO SKATE	AB0020620+		172, 178, 184, 190	44.42-43.5	SPORT PROFILE 3D	B1 4000	SPEEDCELL	
PRO SKATE	AB0020686+		172, 178, 184, 190	43.44-44	SPORT PROFILE	B1 3000	ULTRA HIGH DENSOLITE	
PRO SKATE L	AB0020688+		165, 172, 178, 184	43.44-44	SPORT PROFILE	B1 3000	ULTRA HIGH DENSOLITE	
PRO COMBI	AB0020702+		172, 178, 184, 190	43.44-44	SPORT PROFILE	B1 3000	ULTRA HIGH DENSOLITE	
SPORT SKATE	AB0020584+		172, 178, 184, 190	43.44-44	SPORT PROFILE	B1 2000	HIGH DENSOLITE	
<b>TOURING</b>								
<b>MOTION (MID SIZE)</b>								
MOTION LITE S2 POSIGRP	AB0020468+		174, 184, 194, 204	52-47-49	TOURING PROFILE 3D	B1 2000	HIGH DENSOLITE	POSIGRP
MOTION S2 GRIP	AB0020456+	ABPM0154+ (with SNS Universal)	177, 184, 191, 198, 205	52-47-49	TOURING PROFILE	B1 1500	DENSOLITE	G2 SYNCRO
MOTION S2 WAX	AB0020460+	ABPM0155+ (with SNS Universal)	177, 184, 191, 198, 205	52-47-49	TOURING PROFILE	B1 1500	DENSOLITE	
MOTION S2 GRIP W	AB0020458+	ABPM0156+ (with SNS Universal)	177, 184, 191, 198	52-47-49	TOURING PROFILE	B1 1500	DENSOLITE	G2 SYNCRO
MOTION 46 WAX	AB0020454+	ABPM00952+ (with SNS Universal)	179, 186, 193, 200, 207	46-46.46	TOURING PROFILE	B1 1500	DENSOLITE	
MOTION 46 GRIP	AB0020462+	ABPM00950+ (with SNS Universal)	179, 186, 193, 200, 207	46-46.46	TOURING PROFILE	B1 1500	DENSOLITE	G2 SYNCRO
<b>MOTION XCRUISE (SHORT SIZE)</b>								
MOTION XCRUISE S2 POSIGRP	AB0020470+		163, 173, 183, 193	53-48-51	XCRUISE PROFILE 3D	B1 2000	HELLUM DENSOLITE	POSIGRP
MOTION XCRUISE S3 PG XSTIFF	AB0020464+		163, 193	53-48-51	XCRUISE PROFILE 3D	B1 2000	HELLUM DENSOLITE	POSIGRP
MOTION XCRUISE S5 GRIP	AB0020472+	ABPM0070+ (with SNS Universal)	163, 173, 183, 193	55-49-52	XCRUISE PROFILE	B1 1500	DENSOLITE	G2 SYNCRO
MOTION XCRUISE S5 GRIP W	AB0020474+	ABPM0072+ (with SNS Universal)	163, 173, 183	55-49-52	XCRUISE PROFILE	B1 1500	DENSOLITE	G2 SYNCRO
<b>JUNIOR</b>								
<b>REDSTER CLASSIC JR</b>								
REDSTER WC CLASSIC JR	AB0020634+ MED, AB0020630+ SOFT		149, 175, 185, 194, 195, 195, 175, 185	46-44-45	WC RACE PROFILE JR	B1 5000	SPEEDCELL	
REDSTER CLASSIC JUNIOR	AB0020698+		138, 145, 158, 168, 175, 182	45-45-45	RACE PROFILE JR	B1 3000	HIGH DENSOLITE	
<b>REDSTER SKATE JR</b>								
REDSTER WC CLASSIC JUNIOR	AB0020638+		137, 144, 151, 158, 165, 172	44-42-44	WC RACE PROFILE JR	B1 5000	SPEEDCELL	
REDSTER SKATE JUNIOR	AB0020696+		138, 145, 158, 163, 168	45-45-45	RACE PROFILE JR	B1 3000	HIGH DENSOLITE	
REDSTER COMBI JUNIOR	AB0020700+		138, 145, 158, 163, 168	45-45-45	RACE PROFILE JR	B1 3000	HIGH DENSOLITE	
<b>SPORT</b>								
SPORT WAX JUNIOR	AB0020684+	ABPM0074+ (with SNS Universal)	90, 100, 110, 120, 130, 140, 150, 160, 170	52-47-49	SPORT PROFILE JR	B1 1500	DENSOLITE	
SPORT GRIP JUNIOR	AB0020686+	ABPM0076+ (with SNS Universal)	90, 100, 110, 120, 130, 140, 150, 160, 170	52-47-49	SPORT PROFILE JR	B1 1500	DENSOLITE	G2 SYNCRO