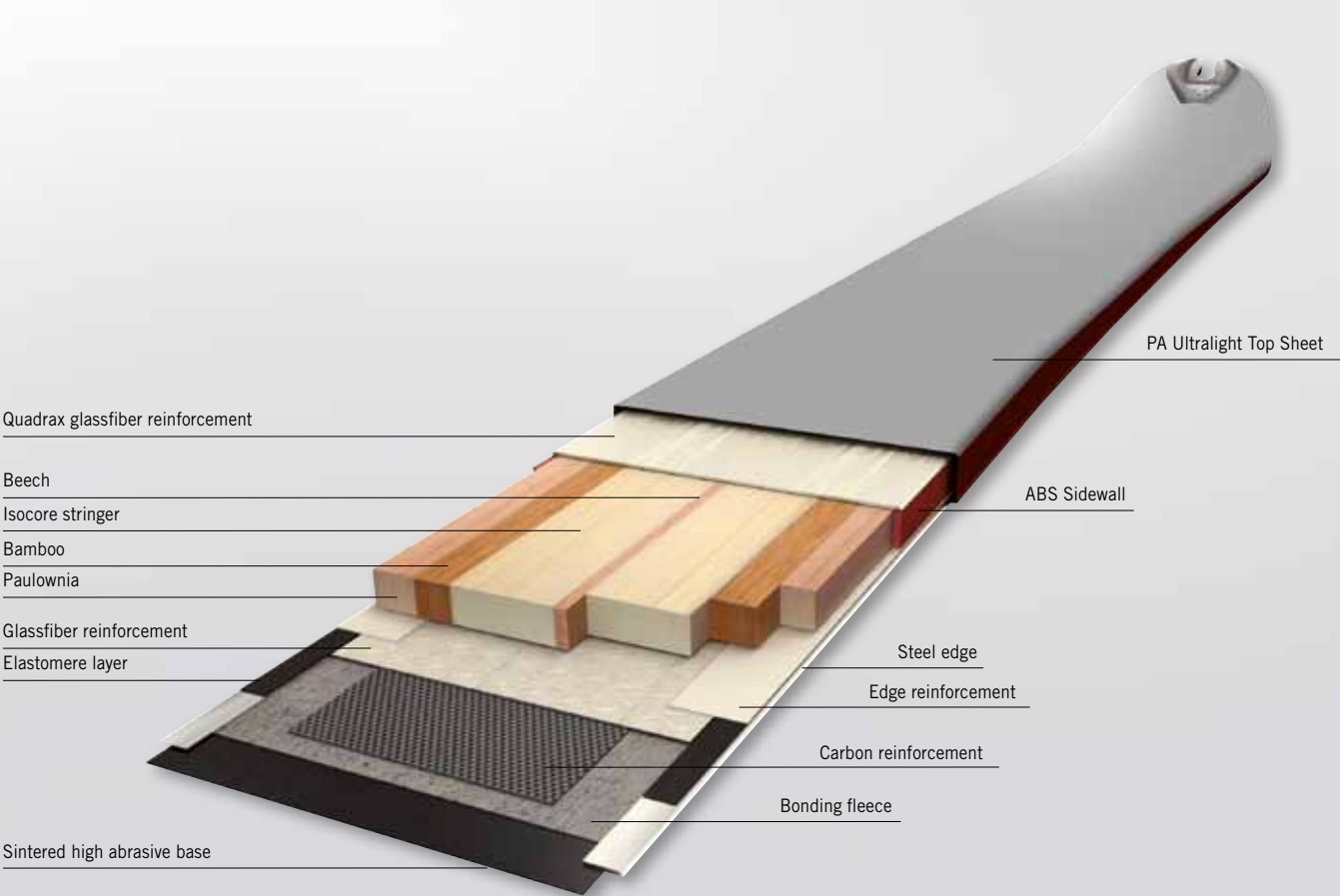


# CONSTRUCTION & TECHNICAL FEATURES



**FLEX TIP:**  
Through its 3-D carbon construction, the flex tip has become the most lightweight component with the greatest resilience and the best vibration-damping capability. Like a mountain bike's suspension fork, it just smoothly absorbs any impact and the carbon inlay ensures a firm, swift damping effect. The 3-D geometry reduces mass and weight. The slim construction of the shovel on the Nanga Parbat and Oho Oyo ensures you keep ski wander in check on sloping terrain.



**SCOOP ROCKER:**  
The evenly increasing radius up to the ski tip allows a really smooth and steady flex when impacted from the front. On crusty or corn snow alike the SCOOP ROCKER acts as a bumper, delivering a smooth ride every time.



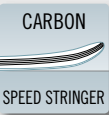
**MICRO SIDEWALL:**  
Using less material in the sidewalls has achieved optimum weight reduction. These sidewalls are laid up in deeper horizontal layers, making them 1.5 times stronger and more impact-resistant than conventional sidewalls.



**FULL SIDEWALL:**  
Using impact-resistant ABS along the entire length of the ski edge from the steel edge to the top coating guarantees maximum force absorption, for example when skiing over rocks or stones. In addition, direct binding-to-ski power transfer at the edge is optimised thanks to this design.



**3 PIECE SIDEWALL:**  
Opting for the 3-piece ABS sidewall for the binding and shovel as well as the ski tip strikes the ultimate balance between providing minimal weight, lightweight construction (ABS is heavier than a simple cap construction) and impact resistance when hitting rock and stone.



**CARBON-SPEED-STRINGER:**  
Optimised weight-performance ratio without using carbon is almost unthinkable. The Dynafit lightweight construction systems are designed to enable you to increase the torsional rigidity of our boot-binding systems at any time, to allow more athletic handling and turn up the speed for tour descents. That's why Dynafit sees the use of carbon roving stringer at the girt as a natural progression. This optimises the ski's vibration damping capability and ability to regain its original position without having to sacrifice any of the ski's forgiving and friendly handling or its wide application range.



**DUAL RADIUS:**  
The combination of a long front radius and short rear radius gives you ultra-steady handling going into and coming out of curves. The ski therefore needs less effort for wide turns while easily negotiating tight ones. The short radius of the ski tail enables highly precise speed control on steep, icy terrain.



**TRIPLE RADIUS:**  
The comparatively short radius of 20 metres at the binding provides perfect edge grip on steep, icy terrain. This was specially designed for extra-wide skis. The short radius at the point where the ski is at its stiffest offers ski runners the security they need on ice.

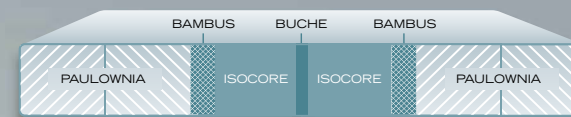


**TAIL ROCKER**  
Gently increasing radius for good control at high speed even on steep, icy terrain.



**PINTAIL**  
Reduced float allows energy-saving body position over the ski and sensitive ski control even at high speeds. The tapered ski tail makes it faster and easier to feed into your rucksack's ski-carry attachment.

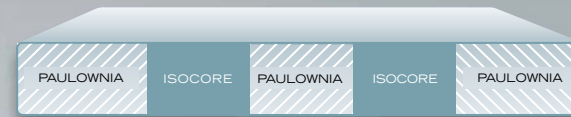
# SKI CORES



## 1. Paulownia- Ride Core

Characteristics:  
Lightweight wooden core with raised stringers in bamboo & beech which provides outstanding vibration damping and real torsional strength, particularly on wide skis.

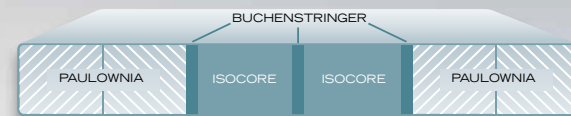
Ski models: Manaslu, Grand Teton, Huascarán



## 2. Paulownia-Superfly Core

Characteristics:  
Double Paulownia-Isocore core with Isocore stringers, features particularly impressive low weight, provides slightly softer flex and is exceptionally forgiving.

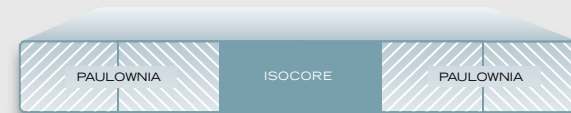
Ski models: Manaslu Women, Mustagh Ata



## 3. Paulownia-Superedge Core

Characteristics:  
Triple Paulownia-beech core holds a really precise edge and supports direct power transmission. Its three raised stringers made of beech give the core exceptional torsion rigidity and especially appeal to ambitious tourers.

Ski models: Broad Peak, Seven Summits



## 4. Paulownia Race Pro Core

Characteristics:  
Exquisite quality wood guaranteeing best weight-performance ratio even with the tightest tolerance levels. With the Isocore stringer, exceptionally fast-growing calibre of wood (lightest quality) can be used without having to compromise on torsional rigidity. The fastest core around!

Exclusively used on the Dy.N.A. ski



## 5. Paulownia Speed Core

Characteristics:  
Exquisite wood quality, laminated, providing a perfect synergy of lightness and solidity. Softer torsion makes for particularly forgiving and effortless handling. Specially designed for race and speed touring.

Ski models: PDG, Nanga Parbat, Cho Oyu



## 6. Direct Impact Core

Characteristics  
The combination of high-tech foam and Paulownia wood is the formula for this ski's strength, lightness, its rapid return to original position after impact and smooth damping action. This core was specially developed for combining with metal inlays and offers the ideal double act of precise edge hold on hard ground and forgiving handling out on the terrain.

Ski models: Baltoro, Baltoro Women





# SEGMENTATION SKIS

DY.N.A RACE	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
PDG RACE	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
BROAD PEAK	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
NANGA PARBAT	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
CHO OYU	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
SE7EN SUMMITS	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
BALTORO	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
BALTORO WOMEN	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
MUSTAGH ATA SUPERLIGHT	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
MANASLU	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
MANASLU WOMEN	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
GRAND TETON	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING
HUASCARAN	SKI RUNNING	SPEED TOURING	SKI TOURING	FREE TOURING	FREERIDE TOURING






SKI RUNNING

	BACK		STYLE #	LENGTH		DIMENSIONS	WEIGHT PER PAIR	TURN RADIUS	FEATURES	CONSTRUCTIONS
 	 	DY.N.A	48230/0102	161		99-65-80	710g	25,5/20m	FLEX TIP DUAL RADIUS PIN TAIL	<b>Core construction:</b> core in robust, elastic ultra-light Paulownia wood/IC Racecore <b>Laminate:</b> Full Carbon Technology <b>Running surface:</b> sintered graphite coatings (Electra Race)
 	 	PDG	48372/9185	161		99-65-80	790g	25,5/20m	FLEX TIP DUAL RADIUS PIN TAIL	<b>Core construction:</b> core in robust, elastic ultra-light Paulownia wood/ IC Racecore <b>Laminate:</b> Fiberglass/Carbon Hybrid Technology <b>Running surface:</b> sintered graphite coatings (Electra Race)


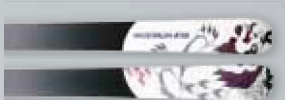
SPEED TOURING

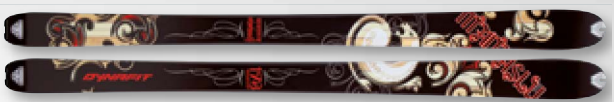





	BACK		STYLE #	LENGTH		DIMENSIONS	WEIGHT PER PAIR	TURN RADIUS	FEATURES	CONSTRUCTIONS
 	 	BROAD PEAK	48324/3254	149 158 167 176		110-74-94 110-74-94 112-74-96 112-74-96	990g 1005g 1120g 1280g	14,8/13,7m 16,9/15,8m 17,7/17,1m 20,2/19,1m	FULL SIDE-WALL CARBON SPEED STRINGER DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight wood with stringers in beech and bamboo <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass and carbon reinforcement <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption
 	 	NANGA PARBAT	48378/1800	163 171 179		115-79-103 116-80-104 117-81-104	1000g	15,5/9,5/13,5m 17,5/11,5/15,5m 19,5/12,5/17,5m	FLEX TIP / SCOOP ROCKER MICRO SIDE-WALL CARBON SPEED STRINGER DUAL RADIUS / TRIPLE RADIUS TAIL ROCKER / PIN TAIL	<b>Core construction:</b> Paulownia ultralight special selection <b>Laminate:</b> Biaxial prepreg in lower and upper layers with fibreglass reinforcement, titanal plate and carbon stringers. Quadrax carbon prepreg <b>Running surface:</b> Sintered graphite coating – super robust – maximum wax absorption
 	 	CHO OYU	48377/8800	158 166 174 182 191		124-87-110 124-87-110 125-88-111 125-89-111 126-90-110	1080g	14,0/9,0/12,0m 15,0/10,0/13,0m 16,0/12,0/15,0m 18,0/14,0/17,0m 20,0/16,0/19,0m	FLEX TIP / SCOOP ROCKER MICRO SIDE-WALL CARBON SPEED STRINGER DUAL RADIUS / TRIPLE RADIUS TAIL ROCKER / PIN TAIL	<b>Core construction:</b> Paulownia ultralight special selection <b>Laminate:</b> Biaxial prepreg in lower and upper layers with fibreglass reinforcement, titanal plate and carbon stringers. Quadrax carbon prepreg <b>Running surface:</b> Sintered graphite coating – super robust – maximum wax absorption



SKI TOURING

	BACK		STYLE #	LENGTH		DIMENSIONS	WEIGHT PER PAIR	TURN RADIUS	FEATURES	CONSTRUCTIONS
 	 	SE7EN SUMMITS	48171/5601	149 156 163 170 178		110-78-97 111-78-98 113-78-100 113-78-100 113-80-100	1080g 1170g 1240g 1330g 1420g	19,0/15m 20,5/16,5m 20,7/16,7m 22,5/18,5m 26,0/22,0m	SCOOP ROCKER CARBON SPEED STRINGER DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight wood with stringers in beech <b>Laminate:</b> Biaxial prepreg with carbon reinforcement in lower layer and Quadrax prepreg in upper layer with Titanal inserts <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption <b>Rocker:</b> SkiTouring-specific Tip-Rocker2 construction with different characteristics specific to each ski length.
 	 	BALTORO	48361/0922	149 158 167 176 183		113-84-100 114-84-101 115-84-102 116-84-103 119-86-106	1190g 1290g 1380g 1470g 1650g	16,9/16m 19/17,5m 21/19m 23/20,5m 24/21m	SCOOP ROCKER 3-PIECE SIDE-WALL DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass reinforcement <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption <b>Rocker:</b> SkiTouring-specific Scoop-Rocker2 construction with different characteristics specific to each ski length.
 	 	BALTORO WOMEN	48369/9252	149 158 167		113-84-100 114-84-101 115-84-102	1120g 1220g 1290g	16,9/16,0m 19,0/17,5m 21,0/19,0m	SCOOP ROCKER 3-PIECE SIDE-WALL DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass reinforcement and Titanal inserts <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption <b>Rocker:</b> SkiTouring-specific Scoop-Rocker2 construction with different characteristics specific to each ski length.



SKI TOURING	BACK	STYLE #	LENGTH	DIMENSIONS	WEIGHT PER PAIR	TURN RADIUS	FEATURES	CONSTRUCTIONS	
		MUSTAGH ATA SUPERLIGHT	48304/9252	161 169 178 187	116-86-109 116-86-109 118-88-110 122-88-111	1150g 1255g 1335g 1490g	21,5/16m 23,7/18,2m 26,3/21,8m 25,6/23,7m	SCOOP ROCKER DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass and carbon reinforcement with Titanal inserts <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption <b>Rocker:</b> SkiTouring-specific Tip-Rocker2 construction with different characteristics specific to each ski length.

FREE TOURING	BACK	STYLE #	LENGTH	DIMENSIONS	WEIGHT PER PAIR	TURN RADIUS	FEATURES	CONSTRUCTIONS	
		MANASLU	48221/9117	161 169 178 187	115-90-101 118-92-104 122-95-108 124-95-109	1230g 1350g 1490g 1595g	31,9/17,4m 33,5/19m 35,4/21m 36,1/23m	SCOOP ROCKER DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight wood with stringers in beech and bamboo <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass and carbon reinforcement with Titanal inserts <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption <b>Rocker:</b> SkiTouring-specific Scoop-Rocker2 construction with different characteristics specific to each ski length.
		MANASLU WOMEN	48356/0100	161 169 178	115-90-101 118-92-104 122-95-108	1150g 1270g 1410g	31,9/17,4m 33,5/19m 35,4/21m	SCOOP ROCKER DUAL RADIUS	<b>Core construction:</b> Isocore Paulownia Ultralight wood with stringers in beech and bamboo <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass and carbon reinforcement with Titanal inserts <b>Running surface:</b> Sintered graphite coatings – super resistant – maximum wax resorption <b>Rocker:</b> SkiTouring-specific Scoop-Rocker2 construction with different characteristics specific to each ski length.
		GRAND TETON	48379/9253	164 173 182 191	128-104-118 129-105-119 130-106-120 134-108-122	1410g 1540g 1670g 1780g	31,2/16,8m 34,5/20,1m 37,6/23,2m 40,0/24,9m	SCOOP ROCKER FULL SIDE-WALL CARBON SPEED STRINGER DUAL RADIUS	<b>Core construction:</b> Isocore paulownia ultralight with bamboo and beech stringers <b>Laminate:</b> Biaxial prepreg in lower and upper layer with fiberglass and carbon reinforcement <b>Running surface:</b> Sintered graphite coating – super robust – maximum wax absorption <b>Rocker:</b> Skitouring-specific Scoop Rocker 2 design, with characteristics specific to each ski length

FREERIDE TOURING	BACK	STYLE #	LENGTH	DIMENSIONS	WEIGHT PER PAIR	TURN RADIUS	FEATURES	CONSTRUCTIONS	
		HUASCARAN	48371/0105	167 177 186 196	133-110-122 134-112-123 135-114-124 136-115-125	1690g 1780g 1850g 1940g	35,0/17,0/30,0m 35,0/18,5/30,0m 35,0/20,0/30,0m 35,0/22,0/30,0m	SCOOP ROCKER TRIPLE RADIUS TAIL ROCKER PIN TAIL	<b>Core construction:</b> Isocore Paulownia Ultralight wood with stringers in beech and bamboo <b>Laminate:</b> Fiberglass/Carbon Hybrid Technology with Titanal inserts <b>Running surface:</b> Sintered graphite coatings (Electra Race) <b>Rocker:</b> SkiTouring-specific Scoop-Rocker3 construction with different characteristics specific to each ski length.