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dps

DPS is about the mystery encountered in a slide across deep snow.

With its roots ingrained in high-performance powder skiing, DPS has pioneered the use of aerospace carbon fiber to design and build skis that are lighter, stronger, and more powerful than conventionally built fiberglass and metal skis. The fusion of cutting edge carbon technology and ultra progressive shaping have resulted in the most advanced and complete quiver of high-performance skis built today.

The goal is to build the perfect ski. DPS strives to link the skier, the ski, and ski builder in an intimately connected triangle.

The DPS laboratory is the world's premier big mountain meccas. Engelberg, Switzerland and Utah in the winter. Haines, Alaska in the spring. Argentina and Chile in the summer. We hang out in these spots so that we can refine, design, and build the most cutting-edge skis today.

Built from the roots of skiing

DPS is an innovative design-based company and an original pioneer. Combining grassroots culture with advanced engineering, we have redefined the way skis are shaped and have successfully developed the world's first pure carbon fiber sandwich ski.

The company story is unique in the ski world: it has been written by a tight tribe of skiers inspired by a lifestyle dedicated to the art of riding deep snow. DPS founder Stephan Drake has spent his life dedicated to high-performance powder skiing and riding big lines around the world. A passion for the perfect turn translated into the search for the perfect ski; one that would combine innovative design with revolutionary space age technology. He was the first to introduce the term "Rocker" to skiing, and has been a featured speaker at the National Design Conference. In 2005, he partnered with Peter Turner, a leading composites engineer, and the former head engineer at Volant. Peter worked with Shane McConkey to engineer the Spatula and has been instrumental in the integration of prepreg carbon and steel technology into ski design.

DPS's employees and its community are comprised of a network of skiers obsessed with the search for deep snow and the lifestyle that accompanies this search.

Quick Facts

CONSTRUCTION AND DESIGN

- DPS introduced **Rocker** to skiing's vocabulary in 2002.
- DPS holds a patent pending application for the first rockered, sidecut ski.
- DPS makes the world's only pure carbon/nano sandwich ski—the DPS **Pure: Carbon+Nano** ski line.
- DPS is a perennial winner in ski magazine buyer's guides, year in and year out.

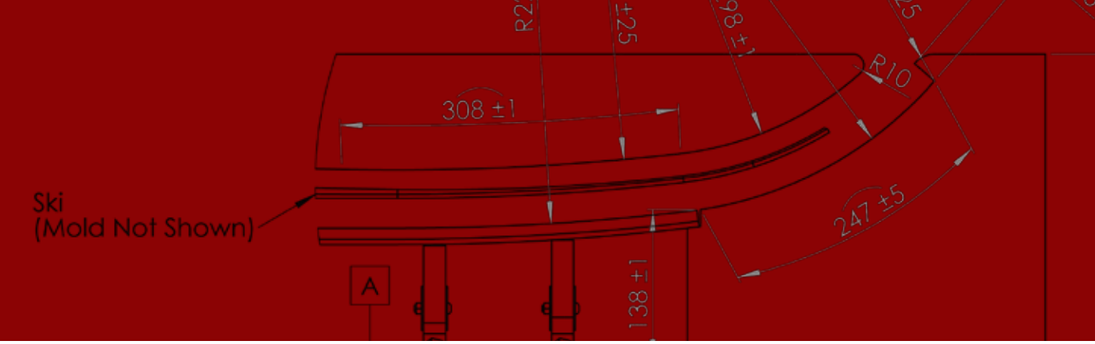
HISTORY AND DISTRIBUTION

- **2005:** DPS was founded. Original members included Stephan Drake, former designer at DB Skis, and Peter Turner, former Head Engineer and Designer at Volant Skis.
- **2009:** DPS launches a hybrid carbon/fiberglass ski line to complement its carbon-nano line: **Hybrid: Fiberglass+Carbon+Bamboo**.
- **2009:** DPS expands from an Internet-only distribution model, to an Internet and high-end retailer model.

COMMUNITY

- DPS is a member of 1% for the planet, donating 1% of sales to environmental initiatives.
- DPS maintains direct communication and a global rep system with its customers, which fosters close relationships and direct feedback-oriented development in ski design.

Construction



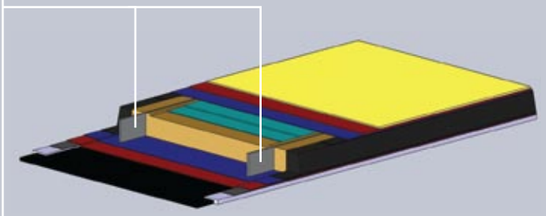
PURE CARBON + NANO

Pure: Carbon+Nano. Truly unique, DPS Pure construction makes for the most advanced and highest performing skis made on earth. **Pure: Carbon+Nano** features exclusive aerospace carbon and nanotech technology, and the absolute finest accompanying materials. Revolutionary on both paper and on snow, the Pure construction showcases years of research and refinement in a ski that is 30% lighter than conventional constructions, while at the same time 30% torsionally stiffer, stronger, and more powerful.

Pure tech basics:
- The world's only pure prepreg carbon and nanotech sandwich laminates
- Polyamide top
- Poplar/x-wood core
- UHMW sidewalls
- Carbon binding plates
- S.S. Technology
- 2mm edges
- Urethane dampening system
- Austrian World Cup graphite race bases

S.S.

Pure: Carbon+Nano skis have always been ridiculously light and powerful since their inception. For hard snow and crud, 2010 marks a groundbreaking patent pending addition: vertical titinal ribs integrated into the core stucture. **S.S**. endows Pure skis with superior dampening and the silky smooth feel of a metal laminate ski, while maintaining the power and energy of a pure carbon/nano build–all without adding weight. **S.S**. in a **Pure: Carbon+Nano** Construction is the best of all worlds. It's the culmination of four years of carbon/nano ski research–a futuristic ski that combines the three most desired elements of ski design without any compromise: ultra-lightweight, silky feel, and power unrivaled by any other ski construction.



HYBRID FIBERGLASS + CARBON + BAMBOO

Hybrid: Fiberglass+Carbon+Bamboo. New for 09/10, The Hybrid line makes the DPS quiver more accessible to more skiers and creates a point of reference for the **Pure: Carbon+Nano** line. While evoking all the shaping and flex pattern heritage of the Pure line, Hybrid skis represent a direct technological comparison to industry standard constructions, but with sweet upgrades like carbon fiber stringers and bamboo core laminates.

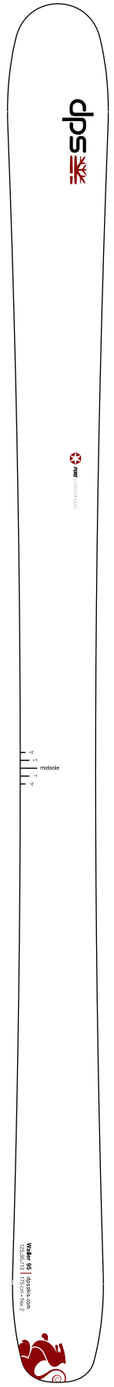
Hybrid tech basics:
- Bamboo Core
- Triaxial Glass
- Carbon Fiber Stringers, full length, top and bottom
- UHMW sidewalls
- 2mm edges
- Urethane top edge reinforcement and dampening system
- Austrian World Cup graphite race bases

WEIGHT AND POWER

Carbon is an amazing material. It allows us to significantly reduce the overall weight of a ski while simultaneously making the ski more powerful and responsive. Lightweight skis are the future of performance skiing. They move under your body with lightning quick precision, and save precious energy that results in less fatigue. Both **Hybrid: Fiberglass+Carbon+Bamboo** and **Pure: Carbon+Nano** skis are both easier to ski and more reactive and powerful than their conventional counterparts.

Quiver 10/11

The DPS mission is simple: to build the perfect ski. We search for and employ cutting-edge technology, design, and shaping with no compromises. The resulting quiver reflects our personal dream bag of skis. It's not about market segments or satisfying particular demographics. It's quite simply about building the most progressive, highest performing skis on the snowy planet. We control our engineering and development from start to finish and evolve flex patterns and layups with a raceroom mentality. From the frontside charger, the **Cassiar 80**, to the spine surfing **Lotus 138**, each shape and flex pattern is optimized to cover the total span of snow/terrain possibilities.

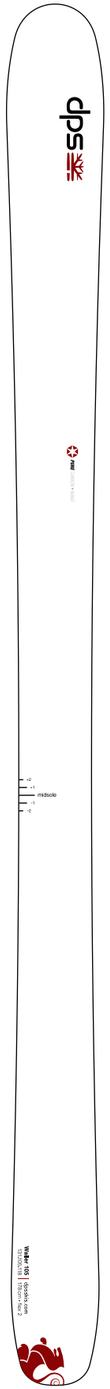


Wailer

Wailer 95
The **Wailer 95** rails like a race ski on the groomed—even at 95mm in the waist. Combine a flex pattern engineered for floatation with a directional twin and you have the everyday frontside/backside board for continental and intermountain climates.

126/95/113 | R: 25m
Sizes: 165cm, 175cm, 185cm, 195cm

Pure: Carbon+Nano…$1,399
Hybrid: Fiberglass+Carbon+Bamboo…$849



Wailer 105
The **Wailer 105** is the big mountain choice for alpine resorts, or alternatively a powder board for shallower snow climates where more hard snow/frontside versatility is needed by midday.

131/105/119 | R: 29m | Sizes: 178cm, 188cm

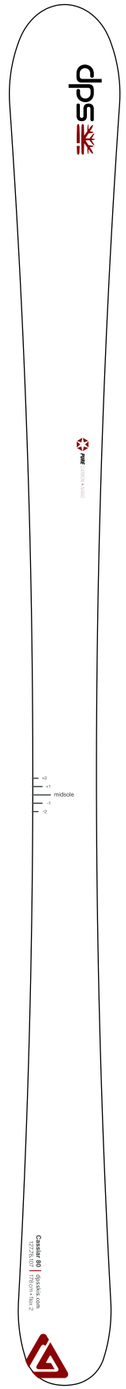
Pure: Carbon+Nano…$1,399
Hybrid: Fiberglass+Carbon+Bamboo…$899

powdermagazine SKIER'S CHOICE 2019

Wailer 112RP
'RP' stands for 'Resort Pow'. The thoroughbred Lotus series is now matched with a shape that is meant to be skied all day at the resort. The **Wailer 112RP** bridges the gap with a shape that combines the loose and early planing feel of a fully rockered ski with aggressive sidecut and slight camber underfoot. It's a one-ski quiver for planing in untracked in the morning, laying trenches down to the lift on the groomed, and slaying crud in the afternoon. A 15m radius underfoot and great torsional stiffness allow for maximum versatility, while the rockered and tapered tips and tail allow the **Wailer 112RP** to get loose and be driven from the ball of the foot in deeper snow.

141/112/128 | R: 18m
Sizes: 168cm, 178cm, 190cm

Pure: Carbon+Nano
…$1,399
Hybrid: Fiberglass+Carbon+Bamboo
…$949



Cassiar

Cassiar 80
The award winning **Cassiar 80** fills out the narrowest end of your quiver. It's the dedicated frontside choice for the entire mountain when there isn't new snow. By combining carbon's light weight with a sweetly tuned flex pattern, and the addition of **S.S.** technology, the **Cassiar 80** is a thoroughbred all mountain performer: it rips trenches, cuts crud, dices moguls, works the park, and does so with more power and edge grip than significantly narrower and heavier skis.

121/78/108 | R: 15m
Sizes: 166cm,178cm

Pure: Carbon+Nano
…$1,399
Hybrid: Fiberglass+Carbon+Bamboo
…$899

skiing OFFICIAL SKI TEST SELECTION

Lotus

Lotus 120
The original, and often imitated 120mm class powder pintail that started it all. The **Lotus120**'s shaping is highly optimized for deep snow; a 270mm tapered and rockered shovel endows it with early planing ability; the flex pattern and geometry have been refined over four seasons to create a ski with unequaled balance and "drive from the ball of your foot" powder performance.

140/120/125 | R: 46m
Sizes: 178cm, 190cm, 200cm*
**200cm only available in Pure construction*

Pure: Carbon+Nano…$1,399
Hybrid: Fiberglass+Carbon+Bamboo…$949

Lotus 138
Four seasons of Alaskan R+D. Three rocker evolutions. The first rockered ski with sidecut ever built. A freak of nature; the **Lotus 138** combines unmatched reactive power and precision with feather weight. Freedom from the fall line. Riding the **Lotus 138** in deep snow is like a whole new sport.

140/138/139 (unconventional) | R: n/a
Sizes: 192cm, 202cm*
**202cm only available in Pure construction*

Pure: Carbon+Nano…$1,399
Hybrid: Fiberglass+Carbon+Bamboo…$949

powdermagazine SKIER'S CHOICE 2019

Women

Women's skis are traditionally diluted, watered-down versions of their standard counterparts. In the name of weight savings, ski builders typically cannibalize performance by removing glass and employing flimsy wood cores. Our Pure and Hybrid Constructions are already ultra-lightweight and infused with unrivaled carbon performance. For our women's line, we shift core profiles and mounting points to create a ski that is both incredibly easy to ski, and has all the reactivity and power of our bigger thoroughbred chargers—skis built for women rippers—not a market segment.

Wailer 95-W
Truly versatile frontside performance with enough girth to make light storms floatable.

125/95/114 | R: 21m
Sizes: 155cm*, 165cm, 175cm
**155cm only available in Hybrid construction*

Pure: Carbon+Nano…$1,399
Hybrid: Fiberglass+Carbon+Bamboo…$899

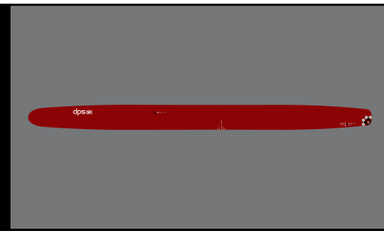
Wailer 112RP-W
Powder in the morning, crud in the afternoon, carving the groom down to the lift, the 112RP is our most versatile resort powder player.

141/112/128 | R: 16m
Sizes: 168cm, 178cm

Pure: Carbon+Nano…$1,399
Hybrid: Fiberglass+Carbon+Bamboo…$949

Ski Beta

Lotus 138



Ski Length	202CM	192CM	
	Pure	Pure	Hybrid
Turning Radius (m)	135	112	112
Tip Length (mm)	150	150	150
Tail Length (mm)	125	125	125
Running Length (mm)	1725	1645	1645
Weight per Ski (Kg)	2,10	1,98	2,34
Dimensions	140/138/139	140/138/139	140/138/139

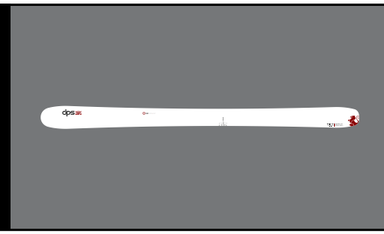
Lotus 120

Ski Length	200CM	190CM		178CM	
	Pure	Pure	Hybrid	Pure	Hybrid
Turning Radius (m)	53	46	46	39	39
Tip Length (mm)	270	270	270	270	270
Tail Length (mm)	140	140	140	140	140
Running Length (mm)	1590	1490	1490	1370	1370
Weight per Ski (Kg)	1,95	1,83	2,20	1,70	2,00
Dimensions	140/120/124	139/120/125	139/120/125	139/120/125	139/120/125

Wailer 112RP

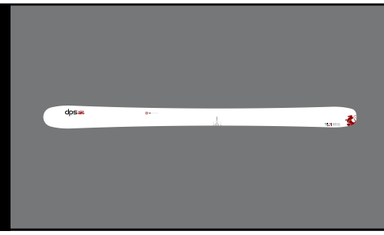
Ski Length	190CM		178CM		168CM	
	Pure	Hybrid	Pure	Hybrid	Pure	Hybrid
Turning Radius (m)	18	18	16	16	14	14
Tip Length (mm)	270	270	270	270	270	270
Tail Length (mm)	140	140	140	140	140	140
Running Length (mm)	1490	1490	1370	1370	1270	1270
Weight per Ski (Kg)	1,83	2,20	1,70	2,10	1,55	1,80
Dimensions	141/112/128	141/112/128	141/112/128	141/112/128	140/112/129	140/112/129

Wailer 105



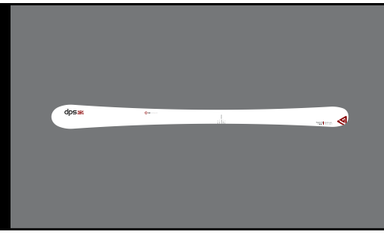
Ski Length	188CM		178CM	
	Pure	Hybrid	Pure	Hybrid
Turning Radius (m)	29	29	25	25
Tip Length (mm)	220	220	220	220
Tail Length (mm)	140	140	140	140
Running Length (mm)	1520	1520	1420	1420
Weight per Ski (Kg)	1,58	2,04	1,56	1,95
Dimensions	131/105/119	131/105/119	131/105/119	131/105/119

Wailer 95



Ski Length	185CM		175CM		165CM	
	Pure	Hybrid	Pure	Hybrid	Pure	Hybrid
Turning Radius (m)	24	24	21	21	18	18
Tip Length (mm)	175	175	175	175	175	175
Tail Length (mm)	145	145	145	145	125	125
Running Length (mm)	1530	1530	1430	1430	1350	1350
Weight per Ski (Kg)	1,63	2,00	1,55	1,75	1,40	1,70
Dimensions	126/95/113	126/95/113	125/95/114	125/95/114	125/95/114	125/95/114

Cassiar 80



Ski Length	178CM		166CM	
	Pure	Hybrid	Pure	Hybrid
Turning Radius (m)	15	15	11,5	11,5
Tip Length (mm)	170	170	170	170
Tail Length (mm)	140	140	100	100
Running Length (mm)	1470	1470	1390	1390
Weight per Ski (Kg)	1,43	1,70	1,30	1,55
Dimensions	120/78/108	120/78/108	127/78/113	127/78/113

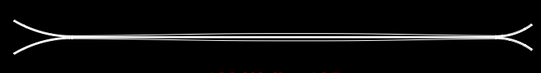
ROCKER PROFILE COMPARISON

178 Cassiar 80

190 Wailer 112RP

185 Wailer 95

190 Lotus 120



188 Wailer 105

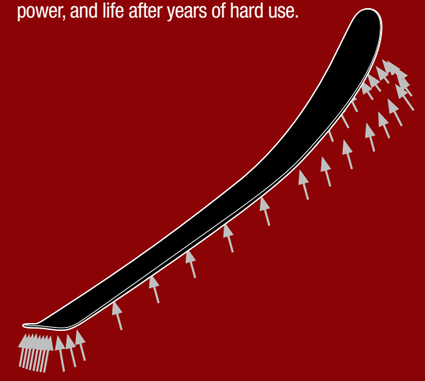
192 Lotus 138

BLACK BASES

We don't fool around with diecuts on the running surface that pose durability issues, or colored bases that run slower. On both **Hybrid** and **Pure** models, we employ only the finest Austrian high graphite content sintered bases for the best in speed and life.

INFINITE FLEX LIFE

Pure: Carbon+Nano skis employ the most advanced prepreg nano resins and space age laminates which result in ultimate performance and value. Unlike conventional skis that break down over a season, DPS **Pure: Carbon+Nano** construction maintain the same pop, power, and life after years of hard use.



The Lotus 138

DPS designers have roots in the original progressive powder shapes: the DB Tabla Rasa and Volant Spatula. The **Lotus 138** project aimed to create a refined second generation shape that would change the way deep snow is skied. The aim of Lotus 138 design is to provide freedom across the fall line—to access speed, stability, and power coming across the hill in deep snow. When a ski takes on these characteristic abilities, it opens up tremendous doors in terms of style and power. Skiing itself almost becomes a new sport. The Volant Spatula exposed the weakness of an inherently reverse radius sidecut with its often scary performance on hard snow. To remedy the shortcomings, The **Lotus 138** design incorporates an absolutely minimal sidecut section in the underfoot section of the ski, which provides just enough edge grip to get the rider through occasional harder snow sections, but doesn't detract from the smooth hydrodynamic properties of the tapered forebody and tail. Unlike conventionally shaped powder skis, The **Lotus 138** actually becomes both more stable and quicker as speed increases. While many companies are just starting to discover and implement rocker and progressive shaping into their lineups, the **Lotus 138** has already been through four iterations directly based on seasons of Alaskan powder surfing.

The Story Behind the DPS Pure: Carbon+Nano Construction

In 1947, Howard Head completed construction of the first metal laminate ski. Head was inspired to build a radically higher-performing, and lighter ski than the existing cumbersome wooden skis of the day.

Similarly, DPS founder Stephan Drake grew tired of lugging around his 13 lb., metal laminate, 120mm-waisted powder skis around the backcountry. He sought new technology that would increase the reactivity and performance of skis while at the same time dropping their weight substantially. Just as Head looked to the aerospace industry to improve ski construction, so did DPS.

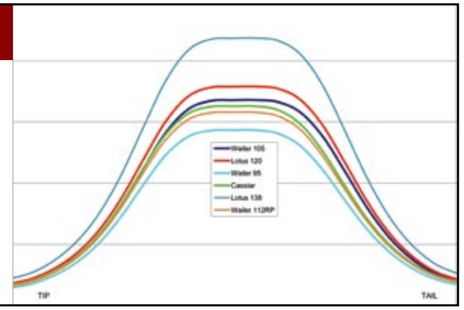
In 2005, the company chose to embark on what would become a three-year saga to develop and perfect the world's first prepreg carbon fiber sandwich ski- a ski construction whose laminates are comprised exclusively from aerospace carbon fiber. It's a journey that nearly ruined the outfit, but perseverance has paid dividends; DPS skis are typically 30% lighter than fiberglass or metal skis, while producing a radical leap in power output and torsional stiffness.

"The prepreg carbon ski has been a huge adventure for us," says Drake, "It's something that many big companies have pursued in the past, but have given up on due to the inherent challenge and difficulty of the project. We have stubbornly chased it because we aspire to build perfect skis, and perfect skis require the most advanced technology. There have been a lot of failures and setbacks along the road, but the end result has been something special."

DPS engineer, Peter Turner, who formerly headed research and development at innovative steel ski maker, Volant, and is a veteran composites engineer spanning multiple industries, adds, "One would think that bringing prepreg carbon into skis would be a relatively simple process when compared to other carbon applications and industries, but it has proven to be incredibly challengingly to make it work effectively in a ski. We have spent years tinkering and refining our carbon construction to make all the right variables come together in concert."

FLEX PROFILE COMPARISON

Precision engineered flex patterns are at the heart of every DPS Ski. Proprietary computer programming technology allows us to generate core profiles that yield skis within 1% of their designed longitudinal flex. Constant on snow testing means constant profile evolution, and prepreg/nano resins mean perfectly matched pairs—the ultimate in longitudinal flex consistency.



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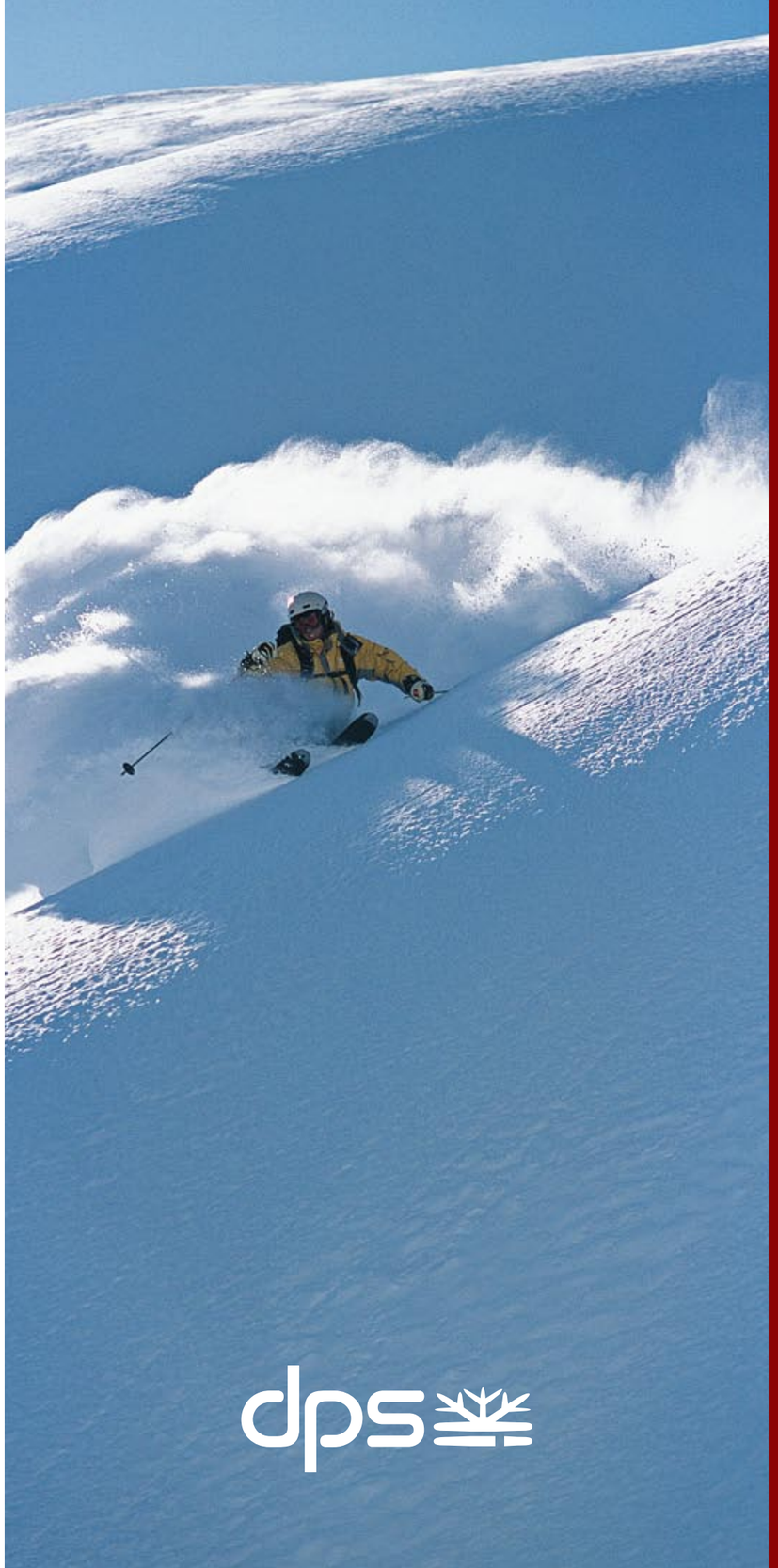

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¡Global Domination!

¡Dominación Global!

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