



# ISOSPEED TENNIS

**SECOND  
SERVICE**  
WITH 100 %  
RECYCLED PET

# Perfect strings for a perfect game

## Our contribution to your advantage.

ISOSPEED develops customized strings for demanding players. Our range of products is so multifaceted that it can accommodate every type of player. Regardless of which features take center stage during playing, we have the perfect material for every requirement and every level. From heavy-duty training strings to demanding professional strings, we offer a broad spectrum of products. We accommodate special demands with the hybrid system. And that means the highest level of flexibility and, simultaneously, tailor-made stringing that is easy on the racket.

## More for less.

Using sophisticated composite materials and technologies, ISOSPEED has produced the first synthetic string possessing the properties of natural gut strings. The Power Ribbons developed by us, which are wound so that they overlap and are diametrically opposed, have enabled us to reconstruct the composition of high-quality, natural gut strings. Thereby we provide excellent elasticity and arm protection. As a result, we are able to offer a decisive advantage.

## Technology is your benefit.

ISOSPEED is the technology leader in the field of innovative materials. We are the only company in the world that uses polypropylene in the manufacture of strings, in addition to the more common materials. With Power Ribbons, we have developed a revolutionary string technology which uses elastic tapes instead of the traditional fibers. And, since 1990, we have carried out successful research on methods for the postprocessing and optimization of materials, such as double heating, a thermal aftertreatment which makes it possible for us to produce an unusual, triangular tennis string. Continuous advances in materials and technologies guarantee innovative, state-of-the-art products.

## ISOSPEED: a story of success.

ISOSPEED is one of the world's leading manufacturers of premium synthetic tennis strings. As a separate product line of ISOSPORT, which was founded in 1969 to manufacture materials for skiing and snowboarding, ISOSPEED has benefited from its many years of experience in manufacturing and postprocessing synthetics. We started producing tennis strings in 1990 – right after we entered the market, the entire Austrian tennis elite began using ISOSPEED products for the competitive sport. The trend toward high-tech products has continued to this day and ISOSPEED now offers a complete line of strings that is known around the world as being unique.

## In technology we trust.

### What we do

ISOSPEED manufactures innovative products utilizing of the very latest technology. Using unique processing technology such as clockwise and counter clockwise winding, braiding, heating and pre-stretching, we have secured ourselves a leading position worldwide, both in terms of market share and as a technological pioneer. ISOSPEED – superior technology for the perfect string.



**MULTIPLE HEATING:** Refers to thermal after-treatment of strings to even out irregularities and to eliminate internal stresses, resulting in pliable, uniformly elastic strings.



**POWER RIBBONS (WINDING TECHNOLOGY):** Flat tapes made of polypropylene and polyamide are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string and allowing for the production of strings that are elastic and, at the same time, robust.



**BRAIDED CORE (BOBBIN TECHNOLOGY):** The braided core is a tightly plaited cord located in the string's core. Due to its exceptional structure, it gives the string uniform elasticity and high deflection resilience.



**PRE-STRETCHED:** ISOSPEED strings are pre-stretched. Pre-stretching the string core or the entire string minimizes the loss of tension, while at the same time, allowing for lower tension weights.



**LIQUID WAX:** Once manufacture is complete the string is refined with a layer of wax. This layer simplifies stringing the racquet and significantly extends the life of the string itself by reducing wear.



**SPRING LOAD:** This technology enables the molecule chains of a monofil string to contract again, resulting in minimal tension loss and increased stability of playing properties as well as increased arm protection.



**LOW FRICTION:** ISOSPEED has managed to greatly reduce friction between strings thanks to a special mixture combining a copolyester with two additives. This greatly reduces snap-back of strings into their original position and significantly improves spin potential. In addition, this effect also ensures longer product life of the string.

### What we use



The use of high-quality raw materials is the basis of ISOSPEED tennis string's exceptional quality. We produce our strings from a variety of plastics with a range of material characteristics that provide you with optimal support in your game.

**POLYPROPYLEN:** Polypropylene is a high-strength, heat-sealable plastic that possesses a stress-strain behaviour similar to that of gut.

**POLYESTER:** Polyester is a stable, highly durable plastic whose rigidity decreases the more it is stretched.

**POLYAMID:** Polyamide, by contrast, is a soft plastic whose rigidity increases the more it is stretched.

# Choose your string

A combination of innovative manufacturing technologies and carefully selected materials enables ISOSPEED to offer an extensive range of strings for all types of players. What string is right for you? Combine your two most important game features – The table will lead you to your perfect string!

ISOSPEED – we believe in your game

	SPIN	SPEED	CONTROL	TENSION MAINTENANCE
SPIN		<b>Cream</b> , page 11 <b>Pulse</b> , page 14	<b>Black Fire S</b> , page 9 <b>Energetic Plus</b> , page 15	
SPEED	<b>Baseline Spin</b> , page 17 <b>Pyramid</b> , page 12		<b>Grey Fire</b> , page 10 <b>Second Service</b> , page 5	
CONTROL	<b>Rexxxer</b> , page 6 <b>Black Fire</b> , page 8	<b>Energetic</b> , page 15		<b>Baseline Long Life</b> , page 17
TENSION MAINTENANCE	<b>Pyramid</b> , page 12	<b>Baseline Speed</b> , page 17	<b>Baseline Control</b> , page 17	
ARM PROTECTION		<b>V18</b> , page 7 <b>Professional</b> , page 14 <b>Prof. Classic</b> , page 16	<b>Control</b> , page 13 <b>Control Classic</b> , page 16	

# CONTROL >>> + SPEED



## SECOND SERVICE

And ISOSPEED’s Second Service is our contribution to saving it. After one-and-a-half years of development, we proudly present the world’s most sustainable tennis string: Made from 100 % recycled PET sourced locally. To ensure a clear conscience on court and our well-known game feel.

TECHNICAL DETAILS
Gauge: 1,25 mm
Sets: 12 m; 20 x 12 m
Color: natur
MATERIAL
Coat: Reg-PET
Core: Reg-PET

FIRST STRING  
MADE FROM 100%  
RECYCLED PET

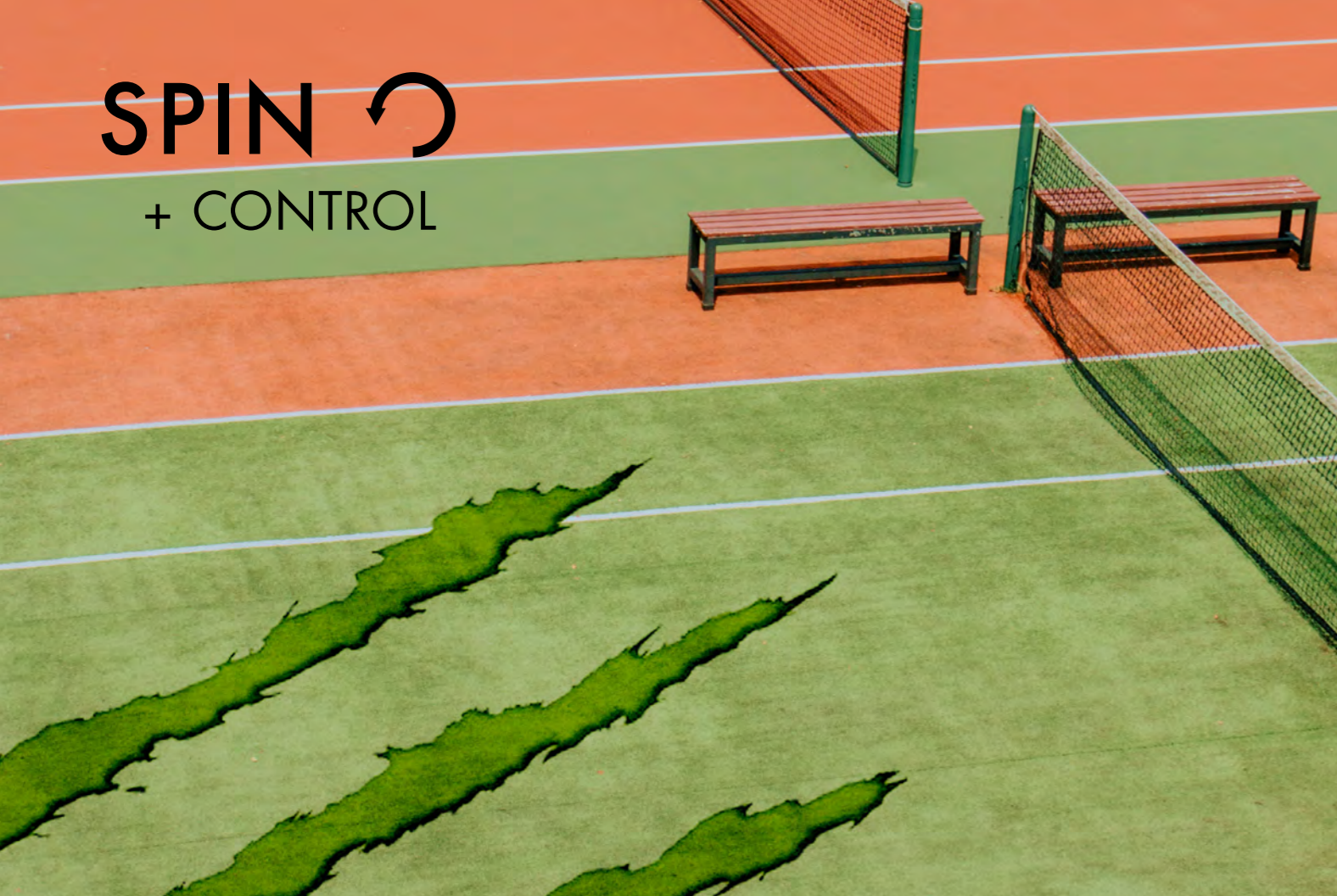


## BEST SUITED FOR

10% lower string tension  
low tension loss

# SPIN ↻

+ CONTROL



REXXXER

REXXXER is a loud monofil string for pros and advanced players. The elastic material-mix allows fast, controlled hits and helps the player to impose an aggressive style of play on the opponent. The oval conception gives the string extra control and spin. Newbies: Hands off this monster!

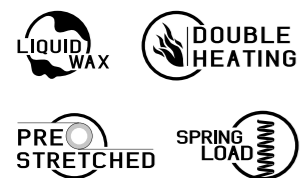
# SPEED ≡

+ ARM PROTECTION



V18

V18 was developed by ISOSPEED to make the impossible possible. A thin string with characteristic properties – arm protection, excellent ball control and feel for the ball with high durability thanks to decreased fraying of the string.



## BEST SUITED FOR

10% lower string tension

TECHNICAL DETAILS
Gauge: 1,25 mm
Lengths: 12 m; 200 m
Color: green
MATERIAL
Co-Polyester, Elastomer

TECHNICAL DETAILS
Gauge: 1,12 mm; 1,17 mm
Lengths: 12 m; 200 m
Color: yellow
MATERIAL
Polyester Compound, monofilament



## BEST SUITED FOR

Narrow stringbeds  
Small head sizes  
Standard tension

# CONTROL >>>

## + SPIN



BLACK FIRE

This monofilament polyester string was developed specifically for the demands of professional tour play. Complete control with high acceleration.

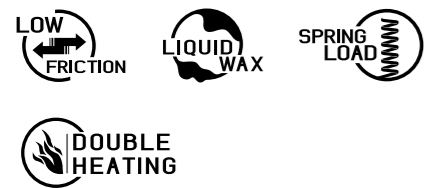
# SPIN ↺

## + CONTROL



BLACK FIRE S

Black Fire S is best suited for professional tour players. Complete control and high acceleration are paired with additional spin due to its hexagonal shape.



### BEST SUITED FOR

Normal and tight string tension  
Normal and small head size  
Normal and closed string pattern  
String about 10% softer

TECHNICAL DETAILS
Gauge: 1,20 mm; 1,25 mm
Lengths: 12 m; 200 m
Color: black
MATERIAL
Surface: Liquid Wax-Coating
Core: Polyester Compound, monofilament

TECHNICAL DETAILS
Gauge: 1,25 mm
Lengths: 12 m; 200 m
Color: black
MATERIAL
Surface: Liquid Wax-Coating
Core: Polyester Compound, monofilament



### BEST SUITED FOR

Normal and tight string tension  
Normal and small head size  
Normal and closed string pattern  
String about 10% softer

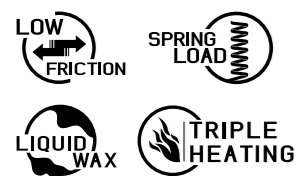
# CONTROL »»»

## + SPEED



### GREY FIRE

Like Black Fire Grey Fire was developed with Tour Players. This string offers top control in addition to outstanding ball acceleration (Spring Load) and low tension loss. Low Friction-Technology enhances your game with additional spin. Triple Heating ensures comfortable feedback and arm protection.



### BEST SUITED FOR

Normal and tight string tension  
Normal and small head size (1,25 mm)  
Normal and closed string pattern (1,25 mm)  
Normal and large head size (1,30 mm)  
Normal and open string pattern (1,30 mm)

TECHNICAL DETAILS
Gauge: 1,25 mm; 1,30 mm
Lengths: 12 m; 200 m
Color: grey
MATERIAL
Surface: Liquid Wax-Coating
Core: Polyester Com- pound, monofilament

# SPEED ≡

## + SPIN



### CREAM

Cream is an allrounder: a string featuring sensational ball control, optimal arm protection and excellent playing properties. We developed a unique material composition that drastically increases the elasticity of this monofilament string. This ensures minimal loss of tension for a strong game and less pressure on the joints as well as outstanding fitting properties. At the same time, you maintain optimal speed, control and precision.



### BEST SUITED FOR

Normal and low string tension  
Normal and small head size  
Normal and closed string pattern

TECHNICAL DETAILS
Gauge: 1,23 mm; 1,28 mm
Lengths: 12 m; 200 m
Color: cream
MATERIAL
Surface: Liquid Wax-Coating
Core: Co-Polyester, monofilament

# SPIN

## + SPEED



### PYRAMID

The Pyramid is a one-piece (monofilament) polyester string. The manufacturing process and the unique, triangular cross-section of the Pyramid have opened up unimagined opportunities to top spin and slice players. The pleasant feeling of playing with Pyramid strings, its unique shape and its extraordinary durability are due to a second heating process, the Double Heating.



#### BEST SUITED FOR

Normal and tight string tension  
Normal and large head size  
Normal and open string pattern

TECHNICAL DETAILS
Gauge: 1.30 mm
Lengths: 12 m; 200 m
Color: white
MATERIAL
Surface: Liquid Wax-Coating
Core: Co-Polyester

TECHNOLOGIES
DOUBLE HEATING: The double-heating process evens out any irregularities and eliminates internal stresses.

# CONTROL

## + ARM PROTECTION



### CONTROL

The Control model is based on a natural gut string and uses the ISOSPEED Power Ribbons both for the core and for the surface coating. The surface is heat-sealed, which provides stability; in the core, the Power Ribbons can move freely and are elastic. Pre-stretched multi-filaments minimize loss of tension. This, plus the somewhat stronger cross-section, means that the Control model guarantees good control while providing optimal arm protection.



#### BEST SUITED FOR

Normal and tight string tension  
Normal and large head size  
Normal and open string pattern

TECHNICAL DETAILS
Gauge: 1.30 mm
Lengths: 12 m; 200 m
Color: natural
MATERIAL
Surface: Polypropylene, heat-sealed Power Ribbons
Core: Polypropylene, Power Ribbons, Polyamide-Fibres
Pre-stretching: Core

TECHNOLOGIES
POWER RIBBONS: Power Ribbons are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string.
PRE-STRETCHED: Pre-stretching the entire string reduces the loss of tension to a minimum.

# SPEED

+ CONTROL

## ENERGETIC

The surface of the Energetic model consists of heat-sealed, highly elastic Power Ribbons. The multifilament (consisting of several fibers) core forms a mixture of highly elastic polyester and Polyamide fibers that intermix and overlap, thereby giving the string a high level of ball acceleration and excellent control.



**BEST SUITED FOR**

Tight string tension  
Normal and small head size (1,20 mm)  
Normal and closed string pattern (1,20 mm)  
Normal and large head size (1,30 mm)  
Normal and open string pattern (1,30 mm)

TECHNICAL DETAILS
Gauge: 1,20 mm, 1,30 mm
Length: 12 m; 200 m
Color: gold
MATERIAL
Surface: Polypropylene, heatsealed, Power Ribbons
Core: Co-Polyester and Polyamide, multifilament, pre-stretched
Pre-stretching: Core

**TECHNOLOGIES**

**POWER RIBBONS:** Power Ribbons are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string.

**PRE-STRETCHED:** Pre-stretching the string core reduces the loss of tension to a minimum.

# SPEED

+ ARM PROTECTION

## PROFESSIONAL

The Professional model is based on a natural gut string, and the ISOSPEED Power Ribbons are used both for the core and for the surface coating. The surface coating is heat-sealed in order to increase its life expectancy; the Power Ribbons can move freely within the core. Pre-stretched multi-filaments minimize loss of tension. The result: very good ball acceleration with optimal arm protection.



**BEST SUITED FOR**

Normal and tight string tension  
Normal and small head size  
Normal and closed string pattern

TECHNICAL DETAILS
Gauge: 1,20 mm
Length 12 m; 200 m
Color: natural
MATERIAL
Mantel: Polypropylen, heat-sealed Power Ribbons
Core: Polypropylen, Power Ribbons, Polyamide-Fibres
Pre-stretching: Core

**TECHNOLOGIES**

**POWER RIBBONS:** Power Ribbons are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string.

**PRE-STRETCHED:** Pre-stretching the entire string reduces the loss of tension to a minimum.

# CONTROL

+ SPIN

## ENERGETIC PLUS

The surface of the Energetic Plus model consists of heat-sealed, highly elastic Power Ribbons. The multifilament (consisting of several fibers) core forms a pre-stretched Polyamide braided cord that, at the slightest loss of tension, lends the string enough resilience that it offers high control over the ball. Its extravagant composition provides for more top spin.



**BEST SUITED FOR**

Tight string tension  
Normal and large head size  
Normal and open string pattern

TECHNICAL DETAILS
Gauge: 1,30 mm
Length: 12 m; 200 m
Color: natural
MATERIAL
Surface: Polypropylene, heat-sealed Power Ribbons
Core: Polyamide, Co-Polyester
Pre-stretching: Core

**TECHNOLOGIES**

**POWER RIBBONS:** Power Ribbons are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string.

**PRE-STRETCHED:** Pre-stretching the string core reduces the loss of tension to a minimum.







**BRAIDED CORE:** Due to its exceptional structure, it gives the string uniform elasticity and high resilience.

# SPEED

+ SPIN

## PULSE

Pulse combines high ball acceleration and spin potential. Thanks to ISOSPEED technologies Low Friction and Spring Load, these properties really come into their own. In addition, we also place great emphasis on optimal arm protection with Triple Heating.



**BEST SUITED FOR**

Normal and tight string tension  
Normal and small head size (1,20 mm)  
Normal and closed string pattern (1,20 mm)  
Normal and large head size (1,30 mm)  
Normal and open string pattern (1,30 mm)

TECHNICAL DETAILS
Gauge: 1,25 mm; 1,30 mm
Length: 12 m; 200 m
Color: white
MATERIAL
Surface: Liquid Wax-Coating
Core: Polyester Compound, monofilament

**TECHNOLOGIES**

**TRIPLE HEATING:** The doubleheating process evens out any irregularities and eliminates internal stresses.

**SPRING LOAD:** Enables easy contraction of monofil strings and minimizes tension loss.

**LOW FRICTION:** Ensures increased spin thanks to the “snap-back effect” and higher durability.

# SPEED

+ ARM PROTECTION

## PROFESSIONAL CLASSIC

The Professional model imitates natural gut string and the ISOSPEED Power Ribbons are used both for the core and for the surface coating. The surface coating is heat-sealed in order to increase its life expectancy; the Power Ribbons can move freely within the core. This results in very good ball acceleration and optimal arm protection.



**BEST SUITED FOR**

- High string tension
- Normal and small head size
- Normal and closed string pattern

TECHNICAL DETAILS
Gauge: 1,20 mm
Length: 12 m
Color: natural
MATERIAL
Surface: Polypropylene, heat-sealed Power Ribbons
Core: Polypropylene, Power Ribbons
Pre-stretching: String
TECHNOLOGIES
POWER RIBBONS: Power Ribbons are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string.
PRE-STRETCHED: Pre-stretching the entire string reduces the loss of tension to a minimum.

# SPEED

+ LONG LIFE

## BASELINE SPEED

The Baseline Speed model is a very smooth, monofilament polyester string that simultaneously offers outstanding ball acceleration and a long service life.



**TECHNICAL DETAILS**



- Gauge: 1,25 mm
- Length: 200 m
- Color: black
- MATERIAL: Co-Polyester, monofil

# CONTROL

+ LONG LIFE

## BASELINE CONTROL

The Baseline Control model is a compact, monofilament polyester string that simultaneously provides maximum control and a long service life.



**TECHNICAL DETAILS**

- Gauge: 1,30 mm
- Length: 200 m
- Color: black
- MATERIAL: Co-Polyester, monofil

# CONTROL

+ ARM PROTECTION

## CONTROL CLASSIC

The Control model is based on a natural gut string and uses the ISOSPEED Power Ribbons both for the core and for the surface coating. The surface is heat-sealed, which provides stability; in the core, the Power Ribbons can move freely and are elastic. Pre-stretched multi-filaments minimize loss of tension. This, plus the somewhat stronger cross-section, means that the Control model guarantees good control while providing optimal arm protection.



**BEST SUITED FOR**

- High string tension
- Normal and small head size
- Normal and closed string pattern

TECHNICAL DETAILS
Gauge: 1,30 mm
Length: 12 m
Color: natural
MATERIAL
Surface: Polypropylene, heat-sealed Power Ribbons
Core: Polypropylene, Power Ribbons
Pre-stretching: String
TECHNOLOGIES
POWER RIBBONS: Power Ribbons are wound several layers thick so that they overlap and are diametrically opposed, thereby simulating the structure of a natural gut string.
PRE-STRETCHED: Pre-stretching the entire string reduces the loss of tension to a minimum.

# SPIN

+ SPEED

## BASELINE SPIN

The Baseline Spin model is a monofilament polyester string which, thanks to its small diameter, has enormous ball bite and offers maximum ball acceleration.



**TECHNICAL DETAILS**

- Gauge: 1,20 mm
- Length: 200 m
- Color: black
- MATERIAL: Co-Polyester, monofil

# LONG LIFE

+ CONTROL

## BASELINE LONG LIFE

The Baseline Long Life model is a monofilament polyester string which, due to its robust, somewhat more rigid processing, guarantees a maximum durability and excellent ball control.



**TECHNICAL DETAILS**

- Gauge: 1,35 mm
- Length: 200 m
- Color: black
- MATERIAL: Co-Polyester, monofil



## ISOSPEED - Partner of Bruguera Academy

Former Davis Cup player Lluís Bruguera founded the international tennis training centre Bruguera Tennis Academy Top Team in Barcelona in 1986. The Centre specialises in coaching young tennis talents. Its major goal is the all-round development of players, an approach that is now applied in all Bruguera academies worldwide.

The Bruguera Coaches and Players Club in Austria was established in 2007, and many young players are following in the footsteps of Sergio Bruguera (former ATP No. 3, two-time winner, French Open), Fernando Luna and Juan Aguilera. Lluís Bruguera was so thrilled with the quality of ISOSPORT tennis strings and balls that his academy uses them exclusively. Our common philosophy is 'become better, be better'

**"A YOUNG PERSON'S INDIVIDUALITY AND PERSONALITY CAN, LIKE HIS OR HER BODY, BE SCHOOLED AND TRAINED, BUT NEVER DAMAGED"**

[www.brugueraatennis.com](http://www.brugueraatennis.com)  
[www.brugueraclub.com](http://www.brugueraclub.com)



# And the winner is ...

The ISOSPEED string program has distinguished itself for decades through consistent development of materials and technologies. Our commitment to innovative products utilizing the newest technologies has brought us a number of prestigious awards.



## Professional - our classic

The Professional replicates a natural-gut string, and is made from ISOSPEED Power Ribbons. Its unusually high ball acceleration properties, combined with the excellent arm protection typical of gut strings, makes it one of our most successful strings.



## Control - everything under control

The Control also replicates a natural-gut string, and both the core and coating are made from ISOSPEED Power Ribbons. It offers outstanding ball control and excellent arm protection through having a slightly stronger profile.



## Energetic - more power

Only the coating of the Energetic is made from Power Ribbons. Its core is made from blend of highly-elastic polyester and polyamid threads that can interweave with one another. In this way, the Energetic string can combine high ball acceleration with perfect control.



