



WIN BEFORE YOU PLAY
RANGE 2016 / 2017

MAKE THE
DIFFERENCE

CREATE
CONFIDENCE

LIVE
HOCKEY

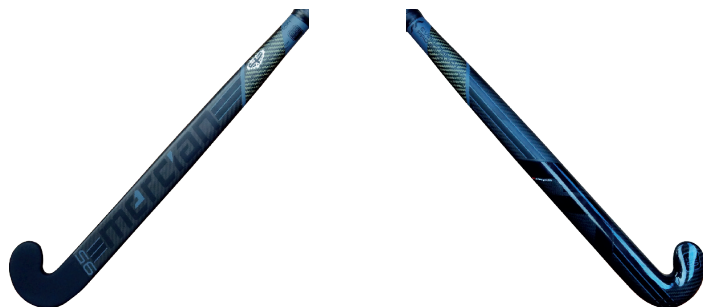
BE
BOLD

INSPIRE
OTHERS

Evolution Range 2016 / 2017

win before you play

Evolution 0.1



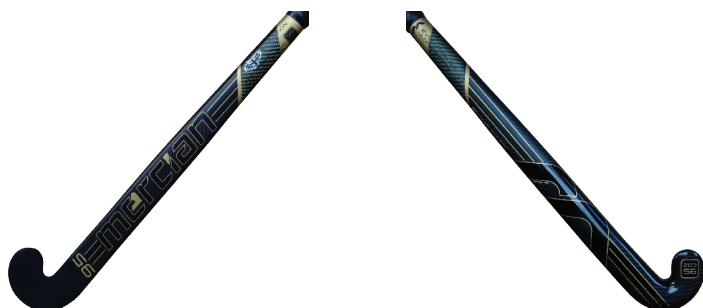
HSEVO0116 - JET BLACK

- 95% Carbon, 5% Kevlar
- Pro Bend
- High Friction Face
- M-Gel
- Kevlar Handle Insert
- **CSL** dribble grip (**C**old **S**atin **L**acquer)
- 36.5 / 37.5 Light, Medium
- Price: €300

HIGH-FRICTION FINISH

The Evolution line sticks feature a silicon based resin coating on the face of the sticks. Increased friction on the head of a stick, as seen on many of the leading brands products, enhances ball control and skill execution. On the Evolution models we have created that friction surface using silicon rather than silica. These tiny (black) rubber particles give a texture to the surface and because they have the characteristics of rubber they can squash and at a microscopic level provide a degree of 'damping' and assist with stopping and ball control.

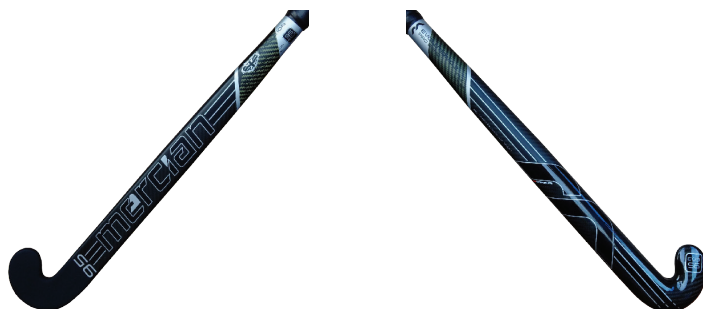
Evolution 0.2



HSEVO0216 - GOLD

- 95% Carbon, 5% Basalt / Kevlar
- Ultimate Bend
- High Friction Face
- M-Gel
- Kevlar Handle Insert
- **CSL** dribble grip (**C**old **S**atin **L**acquer)
- 36.5 / 37.5 Light
- Price: €275

Evolution 0.3



HSEVO0316 - SILVER

- 95% Carbon, 5% Basalt / Glass
- Pro Bend
- High Friction Face
- M-Gel
- Kevlar Handle Insert
- **CSL** dribble grip (**C**old **S**atin **L**acquer)
- 36.5 / 37.5 Light and Medium
- Price: €250

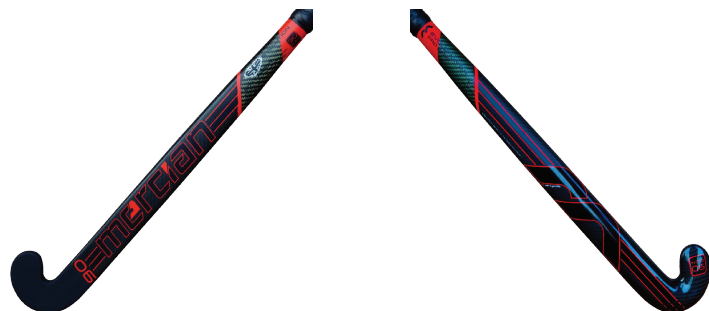
95% Carbon

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Evolution Range 2016 / 2017

win before you play

Evolution 0.4



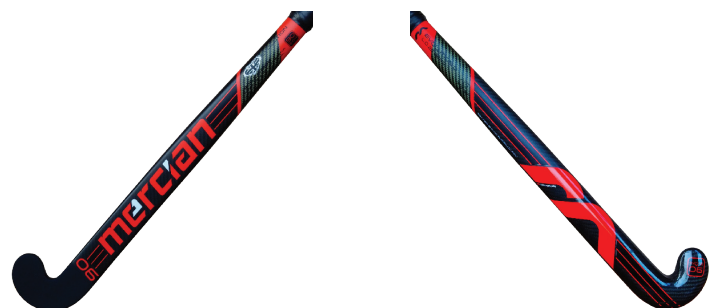
HSEVO0416 - PRO - RED

- 90% Carbon, 5% Kevlar, 5% Basalt / Glass
- Pro Bend
- High Friction Face
- M-Gel
- Kevlar Handle Insert
- **CSL** dribble grip (**C**old **S**atin **L**acquer)
- 36.5 / 37.5, Light and Medium
- Price: €225

PIEZO-ELECTRIC FIBRES

Piezo-electric fibres are included in the Evo.0.1 - Evo.0.5 and are used to 'harvest' the vibrations created in these super-stiff sticks and turn them into heat. The result of this is efficient vibration dampening. The materials themselves have been known about since 1880; The Piezo-electric Effect is the ability of certain materials to generate an electric charge in response to applied mechanical stress. When piezoelectric material is placed under mechanical stress, a shifting of the positive and negative charge centers in the material takes place, which then results in an external electrical field. As a vibration damping material, the vibrations created from striking a ball create the 'stress' within the Piezo fibres and create an electrical charge (dispersed as heat).

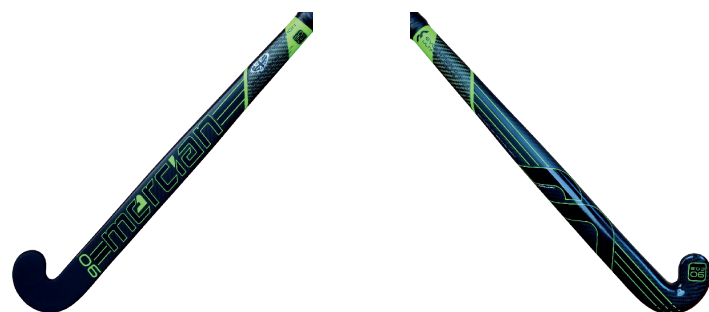
Evolution 0.4 - Lily Owsley #26



HSEVO0416 - #LILY.OWSLEY.26

- 90% Carbon, 5% Kevlar, 5% Basalt / Glass
- L.O.26
- High Friction Face
- M-Gel
- Kevlar Handle Insert
- **CSL** dribble grip (**C**old **S**atin **L**acquer)
- 36.5 / 37.5, Light and Medium
- Price: €225

Evolution 0.5



HSEVO0516 - LIME GREEN

- 90% Carbon, 10% Basalt / Glass
- Ultimate Bend
- High Friction Face
- M-Gel
- Kevlar Handle Insert
- **CSL** dribble grip (**C**old **S**atin **L**acquer)
- 36.5 / 37.5 Light
- Price: €200

85% - 95% Carbon

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Evolution Range 2016 / 2017

win before you play

Evolution 0.6



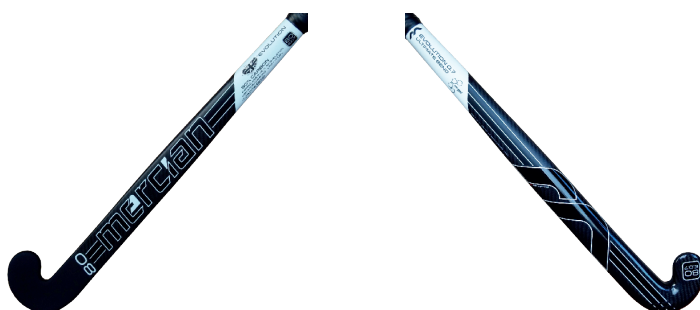
HSEVO0616 - ORANGE

- 85% Carbon, 5% Kevlar, 10% Glassfibre
- Pro Bend
- High Friction Face
- M-Gel
- 36.5 / 37.5, Light and Medium
- Price: €180

NANO-CARBON TECHNOLOGY

Think small and strong. All Mercian composite sticks are made using a complex process of bonding materials together; the smaller the gaps between the materials in these bonds, the stronger the stick will be. Nano-Carbon Technology involves adding microscopic carbon straws to the bonding resins for the purpose of filling these tiny gaps which are otherwise filled only by resin. These hollow carbon straws within the resin provide multi-directional strength between the materials, with the result being a stronger and more resistant bond which increases the overall strength of the stick. Nano-Carbon Technology is used in all sticks with a carbon content.

Evolution 0.7



HSEVO0716 - WHITE

- 80% Carbon, 10% Kevlar, 10% Basalt / Glass
- Ultimate Bend
- High Friction Face
- M-Gel
- 36.5 / 37.5, Light
- Price: €160

Evolution 0.8



HSEVO0816 - BERRY

- 80% Carbon, 20% Fibreglass
- Pro Bend
- High Friction Face
- M-Gel
- 36.5 / 37.5 Light
- Price: €140

80% - 85% Carbon

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Evolution Range 2016 / 2017

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Evolution 0.9



HSEVO0916 - HOT PINK

- 75% Carbon, 5% Kevlar, 20% Glassfibre
- Pro Bend
- High Friction Face
- M-Gel
- 36.5 / 37.5, Light
- Price: €120

BASALT

Basalt fiber is a material made from extremely fine fibers of basalt, which is composed of the minerals plagioclase, pyroxene, and olivine. It is similar to carbon fiber and fiberglass, having better physicommechanical properties than fiberglass, but being significantly cheaper than carbon fiber.

Evolution 0.9



HSEVO0916 - BLUE

- 75% Carbon, 5% Kevlar, 20% Glassfibre
- Pro Bend
- High Friction Face
- M-Gel
- 36.5 / 37.5, Light
- Price: €120

RESINS

Prior to hand-crafting and then 'baking' under heat and pressure, the raw materials are impregnated using complex resins. Standard commercial resins will form adequate bonds between the layers but for true high-quality performance multiple resins are blended to ensure the chemical properties of all the materials are considered and accounted for in the manufacturing process.

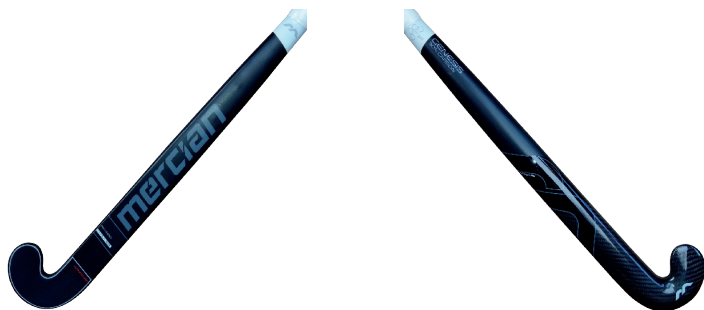
75% Carbon

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Genesis Range 2016 / 2017

win before you play

Genesis Pro



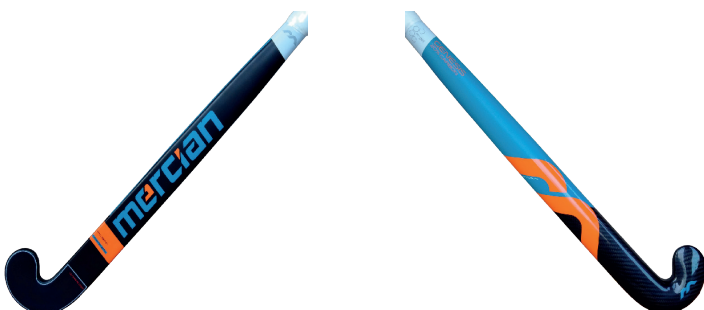
HSGENPRO16

- 30% Carbon, 70% Glassfibre
- Pro Bend
- High Friction Face
- M-Gel
- 34 / 35 / 36.5 / 37.5, Light
- Price: €100

CARBON FIBRE

Anywhere where high performance is required Carbon Fibre's superior strength to weight ratio offers significant advantages, and sporting goods are no exception. It is used to replace or reduce metal, wood and steel content in a wide variety of sports applications. Carbon strands are made up of multiple filaments. 1K means 1000 filaments per strand. The greater the number of fibres the heavier the material. 1K Carbon is found in the electronics industry and used in military grade equipment. 3K and 6K are found in different types of sporting goods. 12K is usually considered too heavy for use in hockey sticks, further specifications exist but are increasingly heavy and not used in sports goods. Mercian uses Carbon from UK and European plants as well as the highly regarded Toray Carbon from Japan, the importation of such materials into Pakistan rather than using local materials increases the manufacturing cost but this is more than outweighed by the increase in the quality of the finished product.

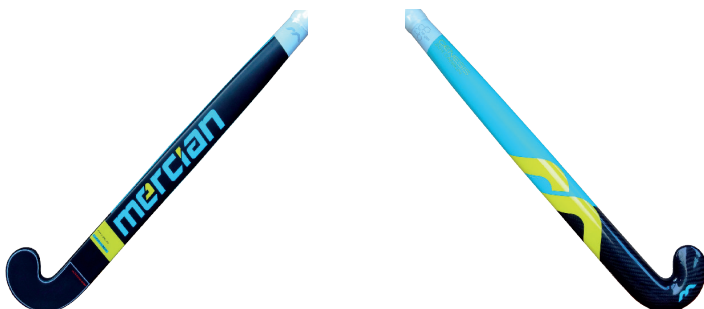
Genesis 0.1



HSGEN0116

- 20% Carbon, 80% Glassfibre
 - Pro Bend
 - High Friction Face
 - M-Gel
 - 35 / 36.5, Light
- Price: €80

Genesis 0.1



HSGEN0116

- 20% Carbon, 80% Glassfibre
 - Pro Bend
 - High Friction Face
 - M-Gel
 - 35 / 36.5, Light
- Price: €80

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Genesis Range 2016 / 2017

win before you play

Genesis 0.2



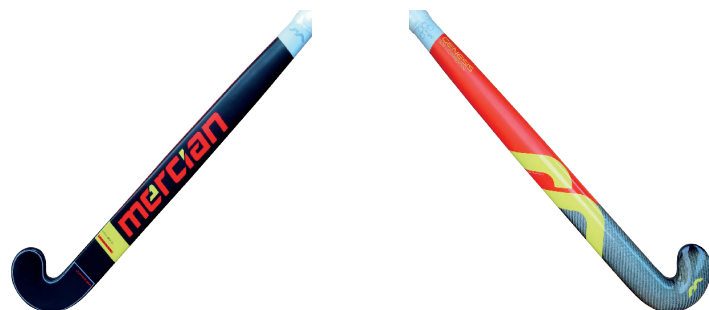
HSGEN0216

- 10% Carbon, 90% Glassfibre
- Pro Bend
- High Friction Face
- M-Gel
- 34 / 35
- Price: €60

FIBREGLASS

The basic material used in hockey sticks is Fibreglass. Fibreglass is a strong lightweight material and is used for many products including sports equipment such as hockey sticks. Although it is not as strong and stiff as composites based on Carbon Fibre, it is less brittle, and its raw materials are much cheaper. Its bulk strength and weight are also better than many metals, and it can be more readily molded into complex shapes once impregnated with complex resins. This flexibility means that as a skeleton, a Fibreglass base resists some of the energy that can compromise the pure brittle nature of Carbon Fibre. It is why we (Mercian) believe that a 100% carbon stick is not the perfect performance solution.

Genesis 0.2



HSGEN0216

- 10% Carbon, 90% Glassfibre
- Pro Bend
- High Friction Face
- M-Gel
- 34 / 35
- Price: €60

Genesis 0.3



HSGEN0116

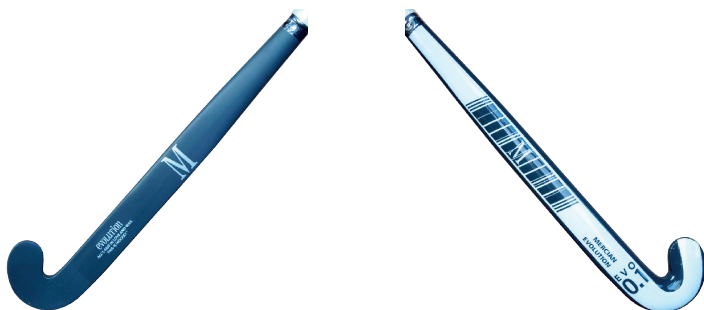
- 100% Glassfibre / Standard Bend / M-Gel / Lengths: 32 / 34 / 35 / Price: €50
- Orange / Blue, Hot Pink / Green, Special Edition 'Rio'

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Special Edition 2016 / 2017

win before you play

Evolution S.E



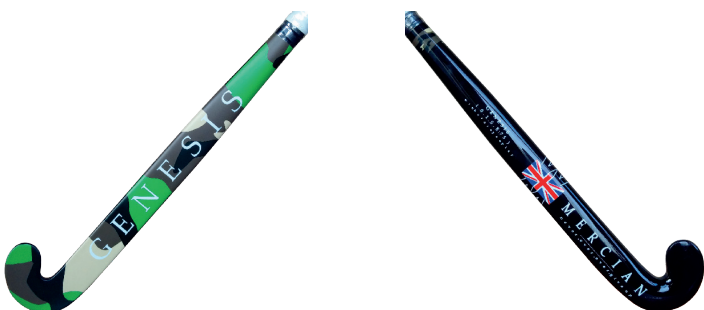
HSEVOSE16

- 80% Carbon
- Triple Core Technology, high-power!!
- High Friction Face
- Sand finish grip
- Low Bend
- 36.5 / 37.5, Light
- Price: €150

TRIPLE CORE TECHNOLOGY

In recent seasons, the standard hockey stick using 2 internal chambers has been rivalled with sticks using 3 and occasionally 4 internal chambers. This 'new' Triple Core technology uses an internal dual spine design which creates three chambers within the shaft rather than just one spine, different to the two chambers as our other models use in their conventional manufacturing process. The reality of this construction is that the dual spine increases stiffness and allows a greater generation and transfer of power from player to ball reducing the need for high levels of carbon.

Genesis S.E

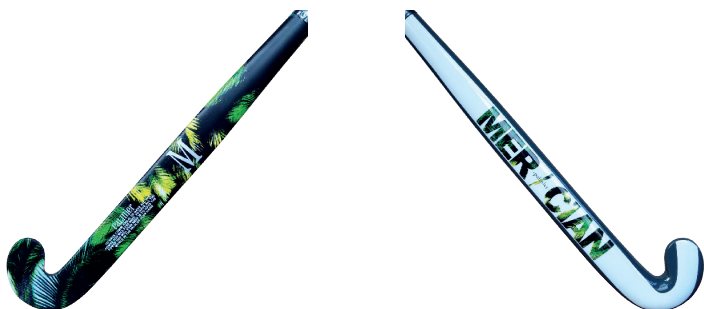


HSGENSE16

- 75% Carbon
- Triple Core Technology, high-power!!
- X-Low bend, thin handle
- High Friction Face
- Sand finish grip
- 36.5 / 37.5
- Price: €130



Palmier S.E



HSPALMSE16

- 70% Carbon
 - Triple Core Technology, high-power!!
 - Low Bend
 - High Friction Face
 - Sand finish grip
 - 36.5
- Price: €110

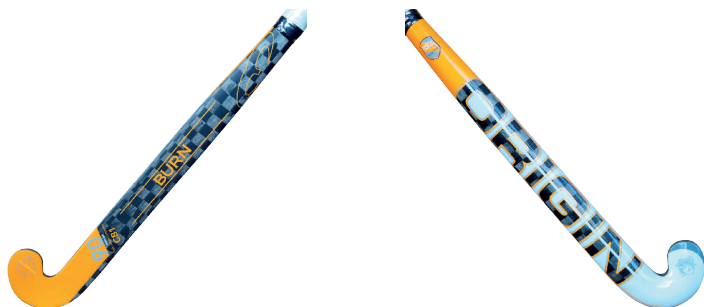
TRIPLE CORE

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Origin Range 2016 / 2017

win before you play

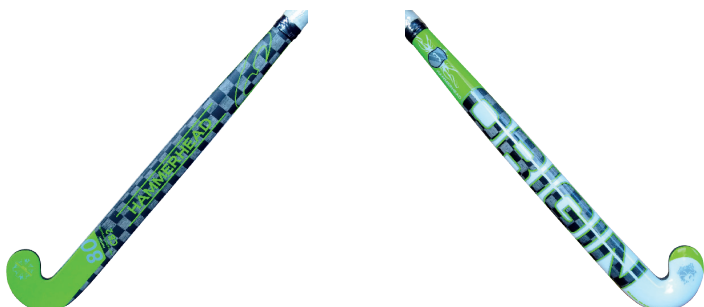
Burn



HSBURN16

- 90% Carbon
- Triple Core Technology, high-power!!
- High Friction Face
- Sand finish grip
- Low Bend - CB1 (dish face)
- 36.5 / 37.5, Light
- Price: €175

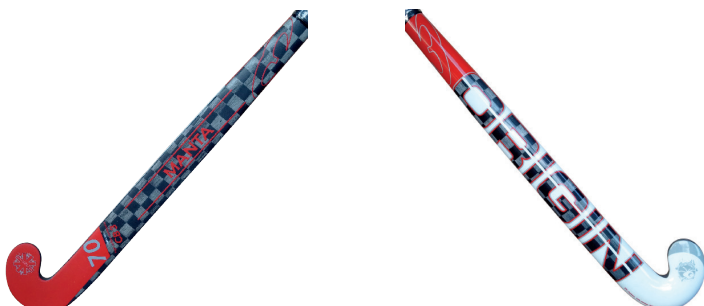
Hammerhead



HSHAMM16

- 80% Carbon
- Triple Core Technology, high-power!!
- Low Bend - CB2
- High Friction Face
- Sand finish grip
- 36.5 / 37.5
- Price: €150

Manta



HSMANTA16

- 70% Carbon
 - Triple Core Technology, high-power!!
 - Low Bend - CB3
 - High Friction Face
 - Sand finish grip
 - 36.5 / 37.5
- Price: €125

ORIGIN RANGE

Mercian Sports Company was founded in 1974, hockey was on grass and the game was played with long headed wooden sticks. The last 40 years have seen significant changes with the introduction of artificial turf, changes to rolling substitutions, abolishment of offside and goalkeepers even wearing helmets. The single greatest change to equipment was the move to composite sticks and the increased hitting power that was the result. The first Mercian composite sticks to be included in this material revolution were the Manta, Hammerhead and Burn. They used the most advanced materials and were the core models in our global range. Now for the 2016 / 2017 collection they are back. Using a wide 'spread' Japanese carbon, triple core technology and 3 completely new bends, reminiscent of the Crazy Bend one, two and three they offer the perfect blend of the tradition, heritage and knowledge that we have gained over those 40 years combined with the most up to date techniques and technologies.

TRIPLE CORE

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