

WORKBOOK



2020



Designed & Engineered
by **HJC**

HELMETS



2020 COLLECTION

BICYCLE HELMETS REINVENTED

HJC

#FORTHEMOMENT



FOR RIDERS

SINCE 1971

HJC has been developing and manufacturing helmets since 1971. Highly praised in the field of motorcycle helmets, HJC is recognized for its long history of helmet production involving advanced material construction, strength and lightweight performance.

With over 45 years in commitment to excellence and advancement in helmet technology, HJC has mastered the art of making helmets to premium standards. The brand has distribution in over 65 different countries worldwide with various helmet categories representing 20% of the European motorcycle helmet market.

Being the #1 helmet manufacturer in the world for over 17 years, HJC has a legacy to nurture. HJC invests heavily in design and development in a variety of categories, working hand in hand with global partners and advanced technologies.

HJC plans to develop and manufacture next level cycle and snow helmets with strategic choices made in the creation and introduction of new construction methods.

HJC



FOR THE MOMENT

LET US RIDE...

HJC SPORTS is about the moment, finding one's self again, in a leap of escape from artificial boundaries and into self-restoration, self-acceptance, balance and peace and in a flow of harmony with all that surrounds us.

For the moment, we are aware of our sense of self in the presence and in spontaneous moments. The value of life is not in the blurry, mindless, cycles of repetition; the value of life starts from awareness of the soul in the moment. When you are truly aware of your feelings in the moment, with appreciation, you are truly alive.

HJC

#FORTHEMOMENT



In this time,
in this second...
you are alive



INNOVATION

HJC TECHNOLOGY

TEST LAB HJC WIND TUNNEL

HJC helmets are tested in laboratory as well as in “real-life” to meet the highest quality standards. HJC is one of very few helmet companies equipped with its own state of the art wind tunnel laboratory to test aerodynamics, ventilation, noise and more.

From technical development of motorcycle race technology to high-end road cycle helmets, the HJC wind tunnel test lab measures all the relevant forces in a variety of riding conditions to improve the performance of HJC Helmets.

HJC



ADVANCED VENTILATION SYSTEM

In order to achieve maximum ventilation, a technical adaptation of Bernoulli’s principle is applied to HJC’s aerodynamically enhanced models. In motion, the rate of surface flow generally increases as it progresses towards the rear of the helmet.

Through pressure differences, cool air from the frontal intake is extracted through the rear vent for internal heat dissipation, giving the cyclist optimum ventilation while riding.

AERODYNAMIC DESIGN

Coming from MotoGP race-helmet design experience, HJC designers and engineers have become experts in aerodynamics and wind ventilated helmets. Aero helmets, as the word implies, are more aerodynamic than the conventional racing bike helmet, but with compromised ventilation performance.

With HJC Helmets, this compromise is very much reduced. HJC offers probably the best ventilated semi-aero helmet on the market.

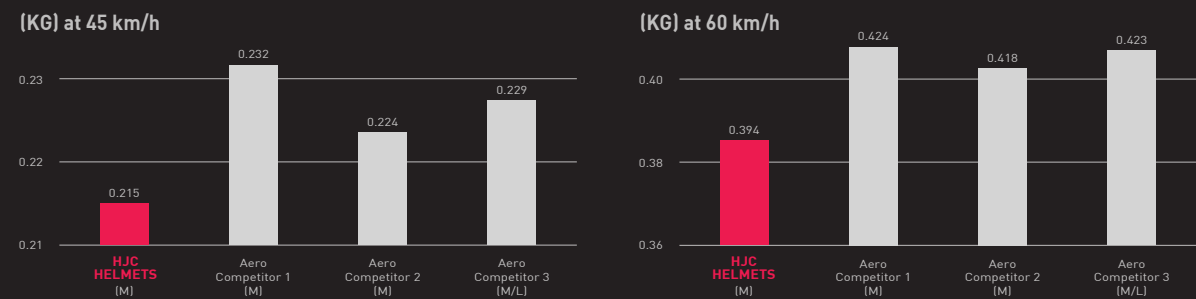
SAVE WATTS WITH HJC HELMETS



OPTIMAL AERO DYNAMICS

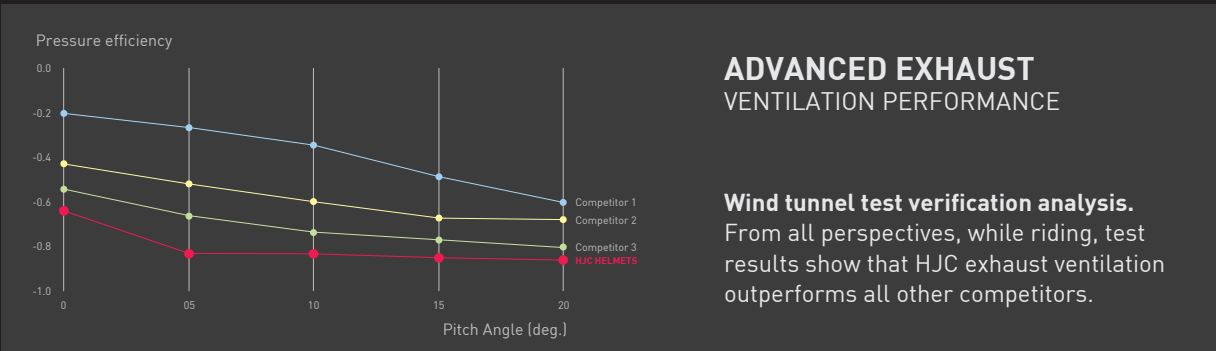
MAXIMUM INTAKE
MAXIMUM EXHAUST
MINIMUM DRAG FORCE

DRAG FORCE



VENTILATION TEST

Pitch Motion at Yaw = 0 deg



ADVANCED EXHAUST VENTILATION PERFORMANCE

Wind tunnel test verification analysis.
From all perspectives, while riding, test results show that HJC exhaust ventilation outperforms all other competitors.

INNOVATION FOR FITTING & COMFORT

Comfort and fitting are an integral part of HJC's helmets. The R&D department has developed 2 revolutionary features patented by HJC for enhanced riding comfort. Introducing **COOLPATH™** for advanced air cooling, and **SELFIT™** for automatic fitting with self-adjustment.

HJC



SELF-ADJUSTING SYSTEM

SELFIT™ is an automatic self-adjusting fitting system which is a revolutionary technology in bicycle helmet fitting.

Once the helmet fit is set for your head it doesn't require further adjustment, even when your head is moving during the ride. The SELFIT system automatically adjusts the gap and provides consistent fitting and comfort for your head.

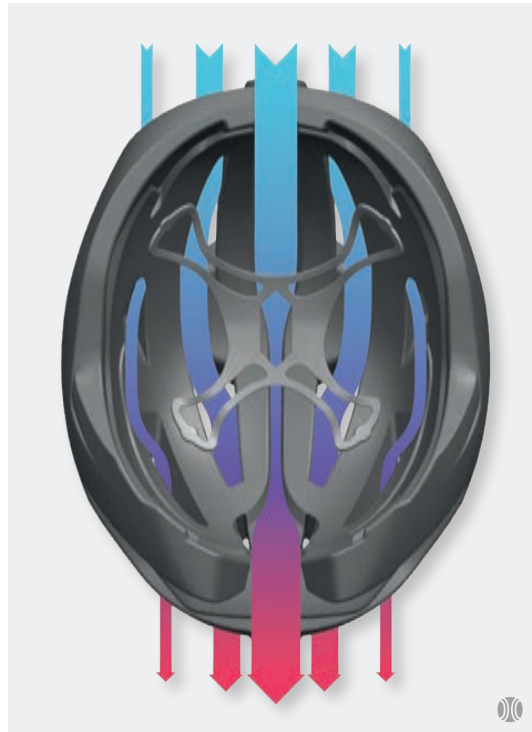
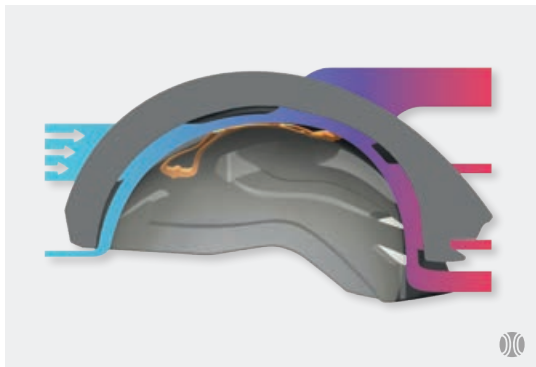
5 STEP SNAP FIT

5 snap fitting positions provide consistent fitting and comfort for all different types of head shapes and sizes. The rider can adjust the fitting with precision, resulting in a helmet that will ideally adjusted for a perfect ride, time after time.



ADVANCED AIR CHANNEL SYSTEM

COOLPATH™ is a new technology patented by HJC. Replacing the inner padding it allows the cool air to flow around your head and improves your comfort during the ride. The cool air flow and the lightness of the helmet enhance the fitting and provide an excellent riding experience.



SAFETY & PERFORMANCE

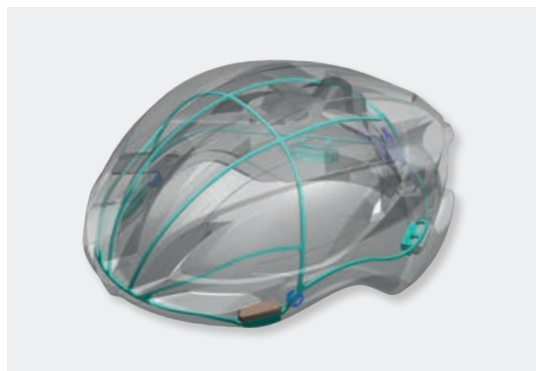
HJC helmets are designed and engineered around actual human laser-scanned profiles for precision fitting. HJC's in-house test labs are facilitated with advanced test equipment to achieve optimal levels of aerodynamics, safety and performance. The result is lightness, strength and optimal air penetration for a perfect riding experience.

HJC



IN-MOLD CONSTRUCTION

The In-mold construction method consists of bonding the EPS layer together with the outer polycarbonate shell for greater structural strength. This improves the rider's protection by providing a compact reinforcement and gives the product a perfect finish.



INTERNAL REINFORCEMENT STRUCTURE

HJC helmets are reinforced with an internal frame integrated into the EPS. The skeletal frame not only holds the helmet in one piece, but also makes it stronger and more resistant to protect your head in the event of an impact.



LOTTO SOUDAL

HJC



HJC SUPPORTS LOTTO SOUDAL

HJC has been the official helmet sponsor to the Lotto Soudal UCI Pro Tour team since the start of the 2018 race season, and for three years to follow. All Lotto Soudal team riders including the UCI World Tour, Ladies and U23 teams wear HJC helmets.



The IBEX 2.0 is one of HJC's high-end helmets, excelling in aerodynamics and ventilation.

Integrated Venturi dynamics balance the drag force with an exhaust ventilation function. As a result, riders are able to experience improved aerodynamics and efficient ventilation, combined with an impressive, well-balanced design.



HJC

lotto
SOUDAL

UCI HOUR RECORD VICTOR CAMPENAERTS

55,089 KM

Using the HJC ADWATT time trial helmet, Victor Campenaerts and the LOTTO SOUDAL UCI World tour team beat the UCI HOUR RECORD in April 2019. The ADWATT was designed through enhanced wind tunnel testing to improve its drag force performance on the track as well as on the road.

The 2018 **Time Trial European Champion** set a new mark for the UCI **WORLD HOUR RECORD** to 55.089 Km with the **ADWATT** which he helped develop in collaboration with the designers and engineers at **HJC**.

It is well known that Victor only uses his TT helmet without a shield, while most of his teammates ride with a shield. HJC successfully took up the challenge to develop a TT helmet which is efficient both with and without a shield creating a helmet that is fast and extra-ventilated at the same time.

HJC

lotto
SOUDAL

HJC IS PROUD TO SUPPORT
VICTOR CAMPENAERTS & TEAM LOTTO SOUDAL



CYCLING HELMETS



HJC

#FORTHEMOMENT



IBEX 2.0

Road helmet



249,00€
MSRP

#FORTHEMOMENT

The IBEX 2.0 is an ultra-lightweight and comfortable helmet designed to provide optimal ventilation. Its particular shape improves aerodynamics and allows it to evacuate heat more quickly.

Developed in HJC's own wind tunnel laboratory and in collaboration with world class riders, the IBEX 2.0 integrates Venturi Dynamics to balance the air resistance force. Thanks to its impressive and well balanced design, the helmet is perfectly suited for intense effort and hot weather conditions.

- WIND TUNNEL TESTED
- ADVANCED AIR CHANNEL 2.0
- AERODYNAMIC DESIGN
- VENTURY DYNAMICS
- IN-MOLD CONSTRUCTION
- INTERNAL REINFORCEMENT
- FEATHER LIGHT 200g (±10)
- COOLPATH™ INTERIOR
- SELFIT™ AUTOMATIC ADJUSTMENT SYSTEM



MT.GL BLACK



MT.GL WHITE



WHITE LINE GREY



NAVY WHITE



MT.GL GREY MINT



MT.GL OFF WHITE PINK



RED BLACK

Sizing Guide

S	51-56 cm	20-22"
M	55-59 cm	21.6-23.2"
L	58-63 cm	22.8-24.8"

HJC



FURION 2.0

Semi-Aero helmet

199,00€
MSRP



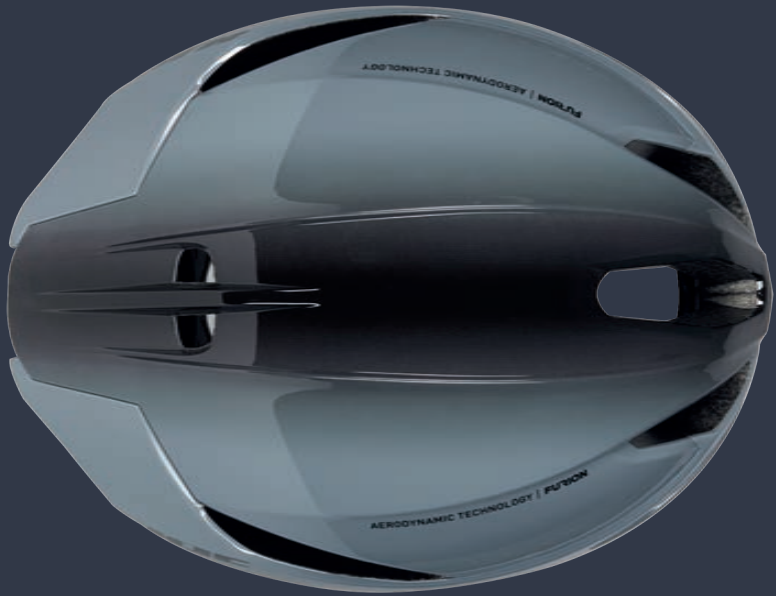
#FORTHEMOMENT

Developped in collaboration with world class riders, the FURION 2.0 is considered an uncompromising design masterpiece as it combines remarkable aerodynamics and efficient ventilation.

Thanks to HJC's experience in MotoGP racing helmet conception, the FURION 2.0 's aerodynamic, innovative and simple design increases its performance and airflow for optimal air penetration and improved air cooling capabilities.



- WIND TUNNEL TESTED
- ADVANCED AIR CHANNEL 2.0
- AERODYNAMIC DESIGN
- VENTURY DYNAMICS
- IN-MOLD CONSTRUCTION
- FEATHER LIGHT 190g (±10)
- COOLPATH™ INTERIOR
- SELFIT™ AUTOMATIC ADJUSTMENT SYSTEM



MT.GL BLACK



MT.GL WHITE



MT.GL PINK



MT.GL NAVY



MT OFF WHITE GOLD



MT FADE OLIVE



FADE GREY



FADE RED

Sizing Guide

S	51-56 cm	20-22"
M	55-59 cm	21.6-23.2"
L	58-63 cm	22.8-24.8"



VALECO

Road helmet



149,00€
MSRP

#FORTHEMOMENT

- WIND TUNNEL TESTED
- AERODYNAMIC DESIGN
- VENTURY DYNAMICS
- IN-MOLD CONSTRUCTION
- ADVANCED AIR CHANNEL
- FEATHER LIGHT 220g (±10)



The VALECO is a modern, aerodynamic and perfectly ventilated helmet, weighing only about 20 grams more than its bigger sibling, HJC's IBEX 2.0.

The helmet's 12 ventilation holes will keep your head cool in any situation, from the spring classics to the hot climbs in the Alps during the summer season. All of the inner padding are removable and washable



MT.GL BLACK



SILVER WHITE



MT.GL RED BLACK



MT.GL NAVY BLACK



MT.GL OFF WHITE



MT OLIVE BLACK



MT.GL GREY BLACK



MT HIVIS. YELLOW BLACK

Sizing Guide

S	51-56 cm	20-22"
M	55-59 cm	21.6-23.2"
L	58-63 cm	22.8-24.8"



LOTTO SOUDAL WHITE



ATARA

Road helmet



99,00€
MSRP

#FORTHEMOMENT

- WIND TUNNEL TESTED
- AERODYNAMIC DESIGN
- VENTURY DYNAMICS
- IN-MOLD CONSTRUCTION
- ADVANCED AIR CHANNEL
- FEATHER LIGHT 210g (±10)



The Atara benefits from all of the technical development of HJC's high-end models such as the IBEX 2.0 and Furion 2.0. Aerodynamic and comfortable, the Atara is your perfect entry into the world of HJC, an everyday helmet with a perfect fit.

It is light in weight, easy to adjust to your head size and makes no compromise on security. As with all other HJC helmets, the inner padding is removable and washable, keeping things clean and your head cool.



MT.GL BLACK



MT.GL RED



MT.GL WHITE



MT.GL NEON GREEN



MT.GL NAVY

Sizing Guide

S	51-56 cm	20-22"
M	55-59 cm	21.6-23.2"
L	58-63 cm	22.8-24.8"



ADWATT

Aero Helmet

349,00€
MSRP



The Adwatt was designed through enhanced wind tunnel testing to improve its drag force performance on the track.

With the help of Victor Campenaerts, the UCI Hour record Holder, HJC successfully took up the challenge of developing an aero helmet which is efficient both with and without a shield. The result is a helmet design that is fast and extra ventilated at the same time.

HJC

#FORTHEMOMENT

- WIND TUNNEL TESTED
- AERODYNAMIC DESIGN
- VENTURY DYNAMICS
- IN-MOLD CONSTRUCTION
- ADVANCED AIR CHANNEL
- MIRROR SHIELD INCLUDED
- FEATHER LIGHT
280g (±10) – helmet only
340g (±10) – incl. Shield

Sizing Guide

XS / S	54-56 cm	21.2-22"
M / L	57-59 cm	22.4-23.2"
XL / XXL	60-63 cm	23.6-24.8"



WHITE



MT BLACK

VICTOR CAMPENAERTS
UCI HOUR RECORD HOLDER - 2019
55,089 KM WITH THE ADWATT



TECHNICAL FEATURES

HJC



Feather Light

HJC bicycle helmets are designed and engineered through precise measures to have the lightest weight possible. Density, placement, shapes and materials all play a part in weight optimization.



Wind Tunnel Tested

HJC helmets are tested in the laboratory as well as in “real-life” to meet the highest quality standards. HJC is one of the very few helmet companies equipped with its own state-of-the-art wind tunnel laboratory to test aerodynamics, ventilation, noise and more. The HJC wind tunnel test lab measures the air forces in a variety of riding conditions to improve helmet performance.



Venturi Dynamics

In order to achieve maximum ventilation, a technical adaptation of Bernoulli’s principle is applied to HJC’s aerodynamically enhanced models. In motion, the rate of surface flow generally increases as it progresses towards the rear of the helmet. Through pressure differences, cool air from the frontal intake is extracted through the rear vent for internal heat dissipation, giving the cyclist optimum ventilation and perfect air flow while riding.



Aerodynamic Design

Coming from MotoGP race-helmet design experience, HJC designers and engineers have become experts in aerodynamics and wind ventilated helmets. Aero helmets, as the word implies, are more aerodynamic than the conventional racing bike helmet, but with compromised ventilation performance. With HJC Helmets, this compromise is very much reduced. HJC offers probably the best ventilated semi-aero helmet on the market.... Save Watts with HJC Helmets!



Internal Reinforcement Structure

The helmets are reinforced with an internal frame integrated into the EPS. The skeletal frame not only holds the helmet in one piece, but also makes it stronger and more resistant to protect your head in the event of a collision.



Advanced Air Channel System

A certain amount of air passes through the front air-intake port, then circulates inside the helmet and finally exits through the exhaust port. The internal airflow is then increased to cool the head and evacuate the heat.



In-Mold Construction

In-mold is a method consisting in bonding the EPS together with the outer polycarbonate shell for greater structural strength. This improves the rider’s protection by providing a compact reinforcement and gives the product a perfect finish.



Shield

Aero Time Trial Helmets are equipped with a mirror shield to improve the riders’ comfort and visibility, HJC’s aero helmets are engineered in order to have the same aerodynamic performances with and without a shield.



SELFIT™ is an automatic self-adjusting fitting system which is a revolutionary technology in bicycle helmet fitting. Once the helmet fit is set for your head it doesn’t require further adjustment, even when your head is moving during the ride. The SELFIT system automatically adjusts the gap and provides consistent fitting and comfort for your head.



COOLPATH™

COOLPATH™ is a new technology replacing the inner padding, allowing the cool air to flow around your head and improving your comfort during the ride. The cool air flow and the lightness of the helmet enhance the fitting and provide an excellent riding experience.



HJC SPORTS

BICYCLE
HELMETS
REINVENTED

HJC

#FORTHEMOMENT

photo: Phil Gale @1_in_the_gutter

WE ARE DELIGHTED TO WELCOME
PATRICK SEABASE TO THE HJC FAMILY
LET'S FIND OUT WHERE HIS FIXED GEAR
ADVENTURES WILL TAKE HIM..... AND US.....



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**CYCLING HELMETS
WORKBOOK 2020**

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**FOR
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50 years Motorcycle helmets manufacturer HJC
proudly presents bicycle helmets under the name of HJC

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