



SHOEI[®]

J-Cruise
premium urban open face

Content

| | |
|-----------------------------------|-----------|
| Concept | 3 |
| Design | 4 |
| Pursuit of comfort | 6 |
| Pursuit of safety | 9 |
| Basic Specifications | 11 |

Concept



Concept drawing

In development of **J-Cruise** we targeted to propose the rider a totally new open-face helmet from SHOEI equipped with all factors required from the market to a high-end open-face helmet.

The category of premium open-face helmets is established in the market by J-Cruise which is equipped with such rich factors as a stylish outlook design, practical performance realized by pursuit of comfort and comfortable fitting considering frequency of putting-off and on. By riding with J-Cruise the rider can share its high value.

Target Users

- Scooter Users
- Touring Bike Users
- Cruiser Bike Users, etc.

Advanced performances exceeding requirements of open-face helmet allow the approach to a wider range of users.

Product Position

- Open Full-Face Helmet which realizes a high level of stylish and compact design, highlighting the rider especially in an urban riding scene and practical performances realized by pursuit of comfort
- Comfortable Fitting and Easy Wearing/Removing in Frequent Daily Town Use
- High Performance Model considering also Comfort in Touring



Pursuit of Comfort

(Conveniences realized for Rider)

- Visor's Close Contact with Shell and Fogging Prevention even in Upper Portion realized by Anti-fog Performance Pinlock Fog-free System
** Pinlock Fog-free Lens is sold optional.*

- QSV-1 Sun Visor satisfying EN-1836, European Standard for Sunglasses

- Improved Ventilation

- Fully Removable Interiors + Wrap-around the Head Fitting + Fabrics for Interiors superior in absorbency and quick-drying

Pursuit of Safety

(Safety supported by High Quality and Comfort)

- Micro Ratchet System superior in Safety and Durability
- AIM Shell

Design



Compact shape.



Sporty aero-form.

Needless to say, basic performances and safety are important factors for a helmet in daily town use. But, for commuting in the city by bike, a fashionable riding wear matches to a scene of city, and in the same manner, a stylish fashion shall be added to the design of the helmet. J-Cruise was developed to provide the rider with such value, too.

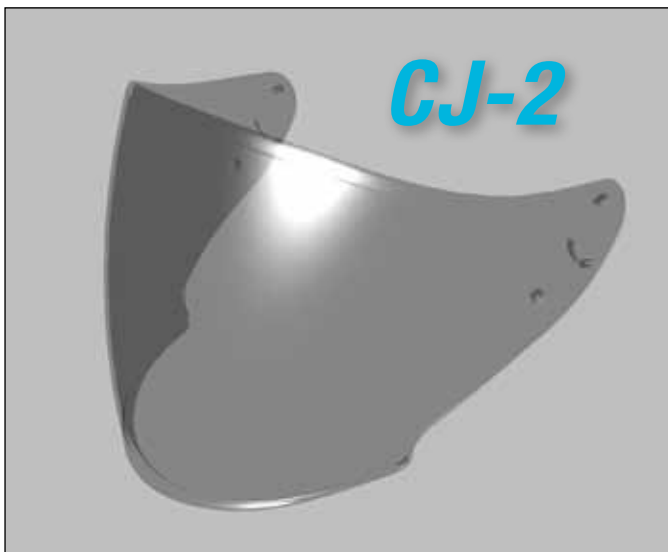
Stylish & Compact Shape

The shell is a compact design in spite of adding a sun visor performance realizing an urban stylish outlook. Although enlarging the shell or making the impact absorption liner partially thin is usually applied for housing a sun visor, J-Cruise adopted the sun visor housing system applied in NEOTEC to realize an ideal shape.

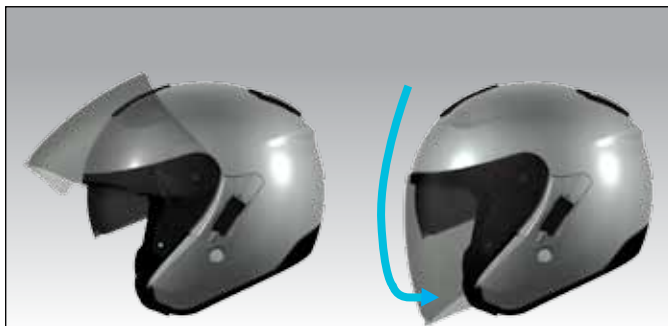
By securing the space for housing a sun visor in the shell without sacrificing thickness of the impact absorption liner, a stylish and compact shape was realized securing full safety.

A stream-like designed line along the side head together with the shape of an air spoiler in rear head realizes a feeling of speed. The Ventilation is designed along with the surface not disturbing the shape of the shell. On the other hand, a metallic painted component is used in the base portion in order to realize a high grade feeling. An air spoiler integrated in the shell restrains the load to the rider's neck caused by the wind pressure increasing along with increase of speed. It enables the rider to maintain his posture stably and contributes rider's safety.

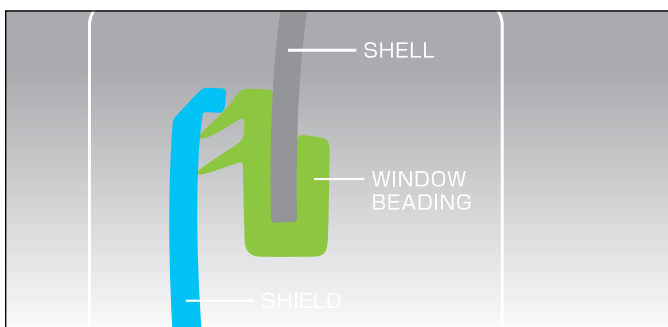
Pursuit of comfort



New Shohei CJ-2 visor system.



Shohei's „down and push“ visor movement.



New double lipped beading.

J-Cruise is equipped with various mechanism developed for the riders comfort. The newly designed double action visor restraining uncomfortable invasion of rainwater or wind and restraining the wind noise during a ride, a high quality QSV-1 Sun Visor blocking strong sunshine effectively, a ventilation system maintaining comfortable circumstance inside of the helmet and a comfortable fit are equipped to correspond to the various changes of circumstance during a ride and to realize convenience.

Newly Designed CJ-2 Visor

Newly Designed Visor Base

CJ-2 Visor has advanced from former CJ-1 in various aspects.

Compared with CJ-1, it is deeper by about 10 mm and bending inside in the chin area to restrain rolling-in of riding wind from the bottom. The new visor lock mechanism makes locking more firm and unlocking easier.

Variable double action mechanism of the visor base presses the visor to the window beading by “Down & Press” action and improves close contact together with double lipped structure of the window beading. It restrains invasion of rainwater and wind from the top of the visor and also restrains wind noise.

For easy visor handling in town use, the visor is positioned in 2 steps. Fully closed and fully opened.

Pinlock Fog-free System

The Fogging of a visor, which happens in winter or during a ride under rain, disturbs comfort and safety of a rider. Although J-Cruise is an open-face helmet, Pinlock-fog Free System*¹ is adopted considering fogging while standing at a road signal. The double action mechanism of the visor made it



CJ-2 with and without pinlock® comparison (Sample view).



QSV-1 sunshield.

possible to enlarge Pinlock Fog-free lens to the upper area of the visor to secure a clear vision*².

(*1) Pinlock Fog-free lens is sold optionally.

QSV Sun Visor conforming to European Standard for Sunglasses

J-Cruise is equipped with built-in QSV-1 Sun Visor conforming to EN-1836, a very strict European Standard for sunglasses. While a sun visor contributes to improvement of an active safety corresponding to changes of temperature or other circumstances easily, we set a firm standard in quality in its development in order to achieve rider's safety and convenience in a high level. Although the main purpose of a sun visor is to restrain glaring sunlight, a simple colored visor may not perform properly. It is necessary to eliminate distortion which causes deterioration of visibility and to block light evenly securing visibility against traffic information on the road. We set, for this purpose, in-house standard using requirements of light blocking filter from EN-1836, a standard for sunglasses established by European Standardization Committee, which are applicable to a sun visor. High quality of QSV-1 Sun Visor is verified by the test of a third party laboratory. We are always targeting high quality designing each component carefully for safety and convenience of the rider.

Improvement of Ventilation

Ventilation maintains the rider's concentration keeping comfortable circumstance inside the helmet. J-Cruise is equipped with an upper air intake at the forehead and 2 top outlets at the rear head. The cover performs as a sliding shutter for easy handling by gloved hands.



J-Cruise ventilation system.



Ear-pads to reduce noise.



Multi-density foam construction of cheek-pad.

Fresh air is absorbed from 2 intake holes in the upper air intake and exhausted from 2 rear top outlets. An outlet placed in the rear area of the upper air intake exhausts air coming through the sun visor housing to eliminate hot air around the visor effectively.

Improvement of Fitting

We achieved a refined fitting with comfortable fit supporting a comfortable ride and easy wearing/removing considering convenience in town use. The head is wrapped around by 3-D thermo setting top pad and polyurethane foam circumference with adjusted ventilation and pressure. At the same time, layers of polyurethane foams in different hardness at proper points in the chin area realize a comfortable hold during a ride.

By changing hardness of the polyurethane foam in the upper area of the cheek pad, wearing sunglasses is easy and restrains invasion of unnecessary wind noise eliminating a gap. In addition, a hybrid of high performance synthetic fiber in high absorbency and quick-drying and raised fabric sued for interior material realized a soft touch in wearing and removing and smooth feeling while sweating.

When the ear pad is removed, space is secured for installing a speaker of intercom. The space is punching processed to block echoing inside.

Pursuit of Safety

We are always pursuing high quality and comfort and reflecting the result to development of all products. Safety supported by such quality and comfort provides a large easiness against unexpected accident.

Micro Ratchet Type Chinstrap born from Pursuit of Safety and Durability

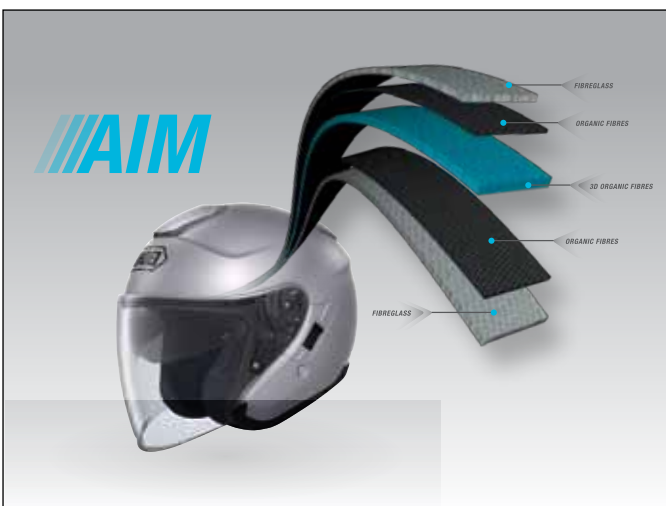
Chinstrap is in a micro ratchet type which can be released and locked by one touch and can be fine adjusted easily. We pursued locking performance and durability thoroughly in adopting this mechanism. For SHOEI's own buckle we developed our own locking system where more than 2 claws work while locked. Stainless steel which is superior to plastic in safety and durability is used as a material. A chinstrap is one of the essential components to protect a rider in an accident. Such a choice of a stainless steel also came from pursuit of safety.

AIM Shell

AIM (Advanced Integrated Matrix) is SHOEI's own high performance shell structure, lightweight but superior in rigidity and elasticity, based upon complex layers of strong glass fiber and organic fiber. Its safety satisfies strict safety standard of each country or area easily. Pursuit of rigidity and light weight realizes an even safety performance in every product.



Micro ratchet system with steel interlocking mechanism.



AIM shell construction.

Available colors



Specifications

SAFETY

- Shell in AIM
Organic fibre and multi-composite fibre in various layers for a shock-absorbent shell with optimum rigidity
- EPS-liner system with different densities
Optimized protection trough EPS elements with different shock absorbing levels
- CJ-2 visor system
With optional Pinlock® antifog system
- Micro ratchet system
Easy to handle, always perfect adjusted

WEARING COMFORT

- 3 different outer shell constructions
For perfect fit and compact dimensions
1) XS-M, 2) L, 3) XL-XXL
- 3d-centerpad, detachable, washable
For pleasant wearing comfort
- Cheek pads detachable, washable
For better care and individual adjustment
- Chinstrap cover detachable, washable
Easy to maintain and clean
- Ear pads
To reduce noise
- Prepared for Intercom installation

VENTILATION

- Multiple venting and extraction
For optimum ventilation performance
- Inlets at the brow area
Fresh air supply guaranteed
- Two outlets at the rear
To exhaust warm air

AERODYNAMIC

- Integrated spoiler
For optimised aero dynamical performance