

SHARP

THE HELMET SAFETY SCHEME

CHOOSING THE *RIGHT* HELMET



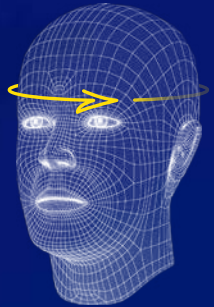
Department
for Transport

WHAT SHOULD YOU LOOK FOR IN A HELMET?

Fit, Comfort and Safety. Helmets (and heads!) come in different shapes and sizes so take time to find the right one for you. Try on different helmets and from those that fit correctly and are comfortable, consider selecting one with a high **SHARP** safety (star) rating. Whatever your budget, you should be able to find one with a high rating. This guide will help you choose the right helmet for you but remember, in the first instance it needs to fit correctly – if it doesn't, it could come off in an accident even if the chin strap is fastened.

1 GET YOUR HEAD MEASURED.

Before you try any helmet on, get your head measured around the fullest part (just above the ears). This measurement will correspond to a particular size in a model range.



2 TRY IT ON.

When you have your size, place the helmet firmly on your head and secure the chin strap so that you can fit two fingers between it and your jaw. If there is a quick release buckle, take time to adjust the strap. You should be able to feel the inside of the helmet against all parts of your head, without feeling 'pressure points' or it leaving red marks. Keep the helmet on for a few minutes to make sure it's comfortable.

3 IS IT TOO TIGHT OR TOO LOOSE?

With the strap secured, try rotating the helmet from side to side. With full face models your cheeks should follow the movement of the helmet and stay in contact with the cheek-pads. The helmet should not rotate on your head.

The cheek-pads should provide a firm, comfortable fit. Tilt the helmet forward and back – it should stay in position and not move. Slippage in any direction means it's unlikely to be the right one for you.



4 DOES IT COME OFF?

Helmet loss occurs in around 13% of accidents so make sure it won't easily come off. Tilt your head forward and get someone to try to roll the helmet off your head by carefully applying an upward force at the base to the rear of the helmet. If it rolls off in the showroom with the chinstrap done up, it's unlikely to stay on in an accident.

5 CHECK SAFETY STANDARDS.

Ensure the helmet either has an 'ECE 22-05 or ECE 22-06' or BSI approval marking. Consider the **SHARP** safety rating to make the safest possible choice. Make sure the seller provides sufficient instructions for the use and care of the helmet. Finally, when you wear it, make sure the chin strap is done up correctly.

GET HELMET *SMART*

**CHECK OUT THE FAQ'S
SECTION ON THE SHARP WEBSITE**

CONNECT WITH US

 **@SHARPgovuk**

 **sharp.dft.gov.uk**

WHAT IS **SHARP**?

SHARP is the **Safety Helmet Assessment and Rating Programme**. By law all helmets must meet minimum safety standards, but SHARP goes beyond these basic requirements to provide an independent assessment of how well a helmet performs over and above the minimum legal requirements. SHARP awards a safety rating of 1 to 5 stars – those with 5 offer the highest level of protection. However, no matter what its safety rating might be, a helmet must fit the rider correctly; so SHARP provides guidance on selecting one that fits.

WHAT RESEARCH UNDERPINS **SHARP**?

SHARP stems from international research that looked at 253 motorcycle road accidents. Replicating accidents in laboratory conditions determined the location, frequency and severity of impacts to helmets.

WHAT THE STARS MEAN

By using the findings of this research and using industry standard test equipment and procedures that are established in regulations, **SHARP** highlights the better performing helmets in the market place. Our laboratory subjects helmets to more demanding impacts than regulations require and by providing a rating, we highlight those likely to perform significantly better in real world road collisions.



2024 HELMET SAFETY RATINGS



FULL FACE HELMETS

A single piece, solid form construction helmet.



SYSTEM (MODULAR/FLIP-UP) HELMET

A helmet with a moveable part that covers the lower face.



LATCH PERFORMANCE

Percentage of impacts where the chin guard remained fully locked.

For further information and the full list of helmet ratings please go to:
sharp.dft.gov.uk
or scan this code >>



Department for Transport

FULL FACE HELMETS



3GO

E35



Agrius

Rage SV



AGV

Corsa R



K-1 S



K-3 SV



K-5



K-5 S



K-6



K-6 S



Pista GP R



Veloce S



Airoh

GP500



ST 701



Storm Battle



Arai

Axces 3



Chaser X



Profile V



Quantic



Quantum ST



Quantum ST Pro



QV Pro



Renegade V



RX-7V



RX7 Evo



FULL FACE HELMETS



Tour X5	★★★★★☆☆
Bell	
Bullitt	★★★★☆☆☆
Eliminator	★★★★★★★
MX-9 Adventure MIPS	★★★★★☆☆
Qualifier DLX	★★★★☆☆☆
Race Star	★★★★★★★
RS-1	★★★★★☆☆
RS-2	★★★★☆☆☆
SRT	★★★★★☆☆
Star	★★★★★★★
Biltwell	
Lane Splitter	★★★★★★★
Black	
Titan SV	★★★☆☆☆☆
Caberg	
Drift	★★★★☆☆☆
Drift Evo	★★★★★☆☆
Stunt	★★★☆☆☆☆
Duchinni	
D705	★★★★★☆☆
D811	★★★★★☆☆
D977	★★★★★☆☆
Givi	
50.4	★★★★★☆☆
HPS 50.6	★★★★☆☆☆
Held	
Root	★★★★☆☆☆
HJC	
C10	★★★★★☆☆

FULL FACE HELMETS



C70	★★★★★★
CS-15	★★★★★
F70	★★★★★
FG-ST	★★★★★★
FS-11	★★★★★
i 70	★★★★★
IS-16	★★★☆☆
IS-17	★★★★★★
RPHA 70	★★★★★
Icon	
Airflite	★★★★★
Airmada	★★★☆☆
Lazer	
Bayamo	★★★★★
LS2	
FF320 Stream	★★★★★
FF323 Arrow	★★★★★
FF352	★★★★★
FF353 Rapid	★★★☆☆
FF390 Breaker	★★★☆☆
FF397 Vector	★★★★★
Stream 2	★★★★★
Stream Evo	★★★★★
MDS	
M13	★★★★★
Sprinter	★★★★★
MT	
Blade 2	★★★★★
Braker SV	★★★★★★
KRE SV	★★★★★

FULL FACE HELMETS



Matrix	★★★★★★
Mugello	★★★★★
Targo	★★★★
Thunder 3	★★★★★
Nexx	
SX100	★★★★
XG 100 R	★★★★★
XR2	★★★★
Nitro	
N2100	★★★★★
N2300	★★★★★
NRS-01	★★★★
Nolan	
N60-5	★★★★★
N87	★★★★★
NZI	
RCV	★★★
Premier	
Trophy	★★★★★
Roof	
Panther	★★★★
Ruroc	
Atlas 2.0	★★★★★
Atlas 3.0	★★★★★
Atlas 4.0 Carbon	★★★★★
Schuberth	
R2	★★★★
SR2	★★★★
Scorpion	
EXO 300	★★★★
EXO 490	★★★★

FULL FACE HELMETS



EXO 710 Air	★★★★☆
EXO 1200 Air	★★★★☆
EXO 1400 Air	★★★★★
Exo R1 Carbon	★★★★★
Shark	
D-Skwal	★★★★★
Ridill	★★★★★
Skwal	★★★★★
Skwal 2	★★★★★
Spartan	★★★★☆
Spartan Carbon	★★★★★
Spartan GT	★★★★★
Spartan GT Carbon	★★★★★
Spartan RS	★★★★★
Vancore 2	★★★★★
Shoei	
Ex Zero	★★★★★
Glamster	★★★★★
GT Air 3	★★★★★
Ryd	★★★★★
X-Spirit III	★★★★★
Shox	
Assault	★★★★☆
Axxis	★★★☆☆
Simpson	
Venom	★★★★★
Spada	
Arc	★★★☆☆
RP One	★★★★☆
RP700	★★★★★

FULL FACE HELMETS



RP900	★★★★★☆☆
SP16	★★★★☆☆☆
Stealth	
HD117	★★★★★☆☆
HD188	★★★★★☆☆
Suomy	
D20	★★★★★☆☆
Speedstar	★★★★☆☆☆
Takachi	
TK30	★★★★☆☆☆
THH	
TX-10	★★★☆☆☆☆
V-Can	
V100	★★★★☆☆☆
V127	★★★★☆☆☆
V158	★★★★★☆☆
V158/1	★★★☆☆☆☆
Vemar	
Ghibli	★★★★☆☆☆
Zephir	★★★★★☆☆
Viper	
RS 1010	★★★★★★★
RS60	★★★★★☆☆
RS V131	★★★★☆☆☆
RS V445	★★★★★☆☆
RS-V8	★★★☆☆☆☆
X-Lite	
X661	★★★★★☆☆
X803 RS Carbon	★★★★★☆☆
X903	★★★★★☆☆

SYSTEM (MODULAR/FLIP-UP) HELMETS



3GO		
E115	★★★★★☆☆	🔒 97%
AGV		
Compact	★★★★★☆☆	🔒 100%
Compact ST	★★★★★☆☆	🔒 100%
Longway II	★★★★★☆☆	🔒 90%
Sport Modular	★★★★★☆☆	🔒 97%
Airoh		
Rev Revolution	★★★★★☆☆	🔒 73%
Rides	★★★★☆☆☆☆	🔒 76%
Black		
Optimus SV	★★★★☆☆☆☆	🔒 66%
Caberg		
Droid	★★★★★☆☆	🔒 100%
Duke 2	★★★★★★	🔒 90%
Horus	★★★★☆☆☆☆	🔒 87%
Levo	★★★★★☆☆	🔒 90%
Duchinni		
D605	★★★☆☆☆☆	🔒 97%
D606	★★★★★☆☆	🔒 30%
G-mac		
Axis	★★★★★☆☆	🔒 100%
Glide	★★★☆☆☆☆	🔒 80%
HJC		
C90	★★★★★☆☆	🔒 87%
C91	★★★★★☆☆	🔒 100%
I90	★★★★☆☆☆☆	🔒 90%
IS MAX 2	★★★★★☆☆	🔒 100%
R-PHA 91	★★★★★☆☆	🔒 80%

SYSTEM (MODULAR/FLIP-UP) HELMETS



R-PHA 90S	★★★★★	🔒 93%
V90	★★★★☆	🔒 90%
LS2		
Advant X	★★★★★	🔒 63%
FF324 Metro	★★★★☆	🔒 97%
FF399 Valiant	★★★★★	🔒 97%
FF902 Scope	★★★★☆	🔒 87%
MDS		
MD200	★★★★★	🔒 100%
MT		
Atom SV	★★★★☆	🔒 50%
Flux	★★★★★	🔒 40%
Raptor	★★★★☆	🔒 70%
Nitro		
F341 UNO	★★★★☆	🔒 77%
Nolan		
N90-3	★★★★★	🔒 90%
N91 Evo	★★★★★	🔒 100%
N100-5 Plus	★★★★★	🔒 100%
Roof		
Desmo 3	★★★★★	🔒 97%
Schuberth		
C4	★★★★☆	🔒 100%
C4 Pro	★★★★★	🔒 93%
C5	★★★★★	🔒 100%
E1	★★★★☆	🔒 93%
Scorpion		
EXO 3000 Air	★★★★☆	🔒 97%
EXO 920	★★★☆☆	🔒 90%
EXO 930	★★★★★	🔒 63%

SYSTEM (MODULAR/FLIP-UP) HELMETS



EXO Tech Evo	★★★★★	🔒 33%
Shark		
EVO-ONE	★★★★★	🔒 33%
EVO-ONE 2	★★★★★	🔒 100%
EVO-ES	★★★★★	🔒 57%
Shoei		
Neotec 2	★★★★★	🔒 70%
Neotec 3	★★★★★	🔒 93%
Shox		
Bullet	★★★★	🔒 97%
Simpson		
Darksome	★★★★★	🔒 67%
Spada		
Orion 2	★★★★★	🔒 83%
Reveal	★☆☆☆☆	🔒 83%
Stealth		
HD189	★★★★★	🔒 83%
V Can		
V270	★★☆☆☆	🔒 100%
Viper		
RSV 151	★★☆☆☆	🔒 100%
RSV 171	★★☆☆☆	🔒 93%
RSV 225	★★☆☆☆	🔒 77%
RSV 335	★★☆☆☆	🔒 100%
X-Lite		
X1003	★★★★★	🔒 100%
X1004	★★★★★	🔒 100%