

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



3G0

E35 ★★☆☆☆☆

E5V ★★☆☆☆☆

Agrius

Rage SV ★★★★★☆

AGV

Corsa ★★★★★★

Corsa R ★★★★★★

GP TECH ★★★★★★

Grid ★★★★★☆

Horizon ★★★★★☆

K-1 S ★★★★★★

K-3 ★★★★★☆

K-3 SV ★★★★★☆

K-4 ★★★★★☆

K-4 Evo ★★★★★☆

K-5 ★★★★★☆

K-5 S ★★★★★☆

K-6 ★★★★★★

K-6 S ★★★★★★

Pista GP ★★★★★★

Pista GP R ★★★★★★

S-4 SV ★★★★★☆

Skyline ★★★★★☆

Stealth ★★★★★★

Stealth SV ★★★★★☆

T2 ★★★★★★

Veloce GT ★★★★★★

FULL FACE HELMETS



Veloce S	★★★★★★
Airoh	
Dragon	★★★★★
Force	★★★★★
GP500	★★★★★
Storm Battle	★★★★★
ST 701	★★★★★
Valor	★★★★★★
Arai	
Chaser	★★★★★
Chaser X	★★★★★
Debut	★★★★★
Profile V	★★★★★
Quantic	★★★★★
Quantum	★★★★★
Quantum ST	★★★★★
Quantum ST Pro	★★★★★
QV Pro	★★★★★★
Rebel	★★★★★
Renegade V	★★★★★
RX7-GP	★★★★★
RX-7V	★★★★★★
RX7 Evo	★★★★★★
Tour X5	★★★★★
Arashi	
Daytona	★★★★★
Phantom	★★★★★
Sonic	★★★★★
Steel 2	★★★★★

FULL FACE HELMETS



Bell	
Eliminator	★★★★★★
M3R	★★★★★★
M4R Carbon	★★★★★★
M5X Carbon	★★★★★★
M6	★★★★★★
MX-9 ADVENTURE MIPS	★★★★★
Qualifier DLX	★★★★
Qualifier DLX MIPS	★★★★
Race Star	★★★★★★
RS-1	★★★★★
RS-2	★★★★
SRT	★★★★★
Star	★★★★★★
Biltwell	
Lane Splitter	★★★★★★
BKS	
Stealth	★★★
Techno	★★★
Black	
Titan SV	★★★
BMW	
Sport	★★★★★
Box	
BX1	★★★★★
BZ1	★★★★
FZ1	★★★
Caberg	
Drift	★★★★
Drift Evo	★★★★★

FULL FACE HELMETS



Stunt	★★★☆☆
V2R	★★★★★★
V2RR	★★★★★★
V2X Carbon	★★★★☆☆
V2 407	★★★★★★
Vox	★★★★★★
CMS	
GP4	★☆☆☆☆
GP5F	★☆☆☆☆
Dainese	
Airstream	★☆☆☆☆
D 181	★★★☆☆
DA530	★★★★☆☆
Performance	★★★★☆☆
Duchinni	
D409	★★★★★☆☆
D419	★★★★★☆☆
D705	★★★★★☆☆
D711	★★★★★☆☆
D721	★★★★★☆☆
D811	★★★★★☆☆
D832	★★★★★★
D909	★★★★★☆☆
D977	★★★★★☆☆
Frank Thomas	
FF07	★★★★★☆☆
Fusion	
G921	★★★☆☆☆☆
RR700	★★★★☆☆

FULL FACE HELMETS



G-Mac

Blaze	★★★★☆
Mechanoid	★★★★☆
Pilot	★★★★☆
Renegade	★★★★☆
Scirocco	★★★★☆

Givi

50.4	★★★★☆
HPS 50.6	★★★★☆

Grex

G6.1	★★★★☆
R2	★★★★☆

Halfords

MYX	★★★★☆
ST-1154	★★★★☆

Harley-Davidson

Laguna II	★☆☆☆☆
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Held

Root	★★★★☆
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HJC

C10	
C70	★★★★★★
C90	★★★★☆
C91	★★★★☆
CS-14	★★★★☆
CS-15	★★★★☆
F70	★★★★☆
FG-17	★★★★☆
FG-ST	★★★★★★
FS-11	★★★★☆

FULL FACE HELMETS



i70	★★★★★☆☆
IS-16	★★★☆☆☆☆
IS-17	★★★★★★★☆☆
RPHA 10	★★★★☆☆☆☆
RPHA 10 plus	★★★★☆☆☆☆
RPHA 11	★★★★☆☆☆☆
RPHA 70	★★★★☆☆☆☆
TR1	★★★☆☆☆☆
ZF-10	★★★★★★★☆☆
Icon	
Airflite	★★★★☆☆☆☆
Airframe	★★★★★★★☆☆
Airmada	★★★☆☆☆☆
Alliance	★★★★☆☆☆☆
Kabuto	
RT33	★★★★★★★☆☆
Kawasaki	
Sport	★★★★☆☆☆☆
KBC	
TK8	★☆☆☆☆☆☆
VR	★★★★☆☆☆☆
VR4R	★★★☆☆☆☆
XP3	★★★★★★★☆☆
Lazer	
Bayamo	★★★★★★★☆☆
Bora	★★★★★★★☆☆
Breva	★★★★★★★☆☆
Kestrel	★★★★☆☆☆☆
Kite	★★★★★★★☆☆

FULL FACE HELMETS



Osprey	★★★★☆
Solano Superskin	★★★★☆
LEM	
Genesis	★★★★☆
Kinetic	★★★★☆
LS2	
FF320 Stream	★★★★☆
FF320 Stream Evo	★★★★☆
FF322	★★★☆☆
FF323 Arrow	★★★★☆
FF350 Mono	★★★★☆
FF351	★☆☆☆☆
FF352	★★★★☆
FF353 Rapid	★★★☆☆
FF358	★★★★☆
FF366 Cyber	★★★★☆
FF375 Shogun	★★★★☆
FF384	★★★☆☆
FF385	★★★★☆
FF390 Breaker	★★★☆☆
FF396	★★★★☆
FF397 Vector	★★★★☆
Stream 2	★★★★☆
Marushin	
222	★☆☆☆☆
777 Tiger	★★★★★
RS1 Carbon	★★★★☆
RS2 Carbon	★★★★★

FULL FACE HELMETS



MDS

M13	★★★★★☆☆
Sprinter	★★★★★☆☆

MT

Blade	★★★★☆☆☆
Blade 2	★★★★★☆☆
Braker SV	★★★★★★★
KRE SV	★★★★☆☆☆
Matrix	★★★★★★★
Mugello	★★★★★☆☆
Targo	★★★★☆☆☆
Thunder	★★★★★☆☆
Thunder 3	★★★★★☆☆
Rapide	★★★★★☆☆
Revenge	★★★★★★★

Nankai

SA07	★★★★★☆☆
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Nexx

SX100	★★★★☆☆☆
XG 100 R	★★★★★☆☆
XR1R	★★★★☆☆☆
XR1R Carbon	★★★★☆☆☆
XR2	★★★★☆☆☆

Nitro

Aikido	★★★★★★★
Dynamo	★★★★☆☆☆
EVO Carbon FF	★★★★★★★
NG-FP	★★★★★☆☆
NP1100F	★★★☆☆☆☆

FULL FACE HELMETS



N-PSI	★★★★★☆☆
NS-FF	★★★☆☆☆☆
NS-FP	★★★★☆☆☆
NSFC Carbon	★★★★☆☆☆
N250-VX	★★★★★☆☆
N510-V	★★★★☆☆☆
N1000-V	★★★☆☆☆☆
N1700-VF	★★★★★★★☆☆
N1900VF Carbon	★★★★★☆☆
N2100	★★★★☆☆☆
N2200	★★★★☆☆☆
N2300	★★★★★☆☆
NRS-01	★★★★☆☆☆
Reactor	★★★★☆☆☆
Nolan	
N60-5	★★★★★☆☆
N63	★★★★★☆☆
N64	★★★★★☆☆
N85	★★★★★☆☆
N86	★★★★★☆☆
N87	★★★★★☆☆
X802	★★★★★☆☆
Nuvo	
SP2	★★★★★☆☆
NZI	
Premium S	★★★★☆☆☆
RCV	★★★☆☆☆☆
OSBE	
Highway	★★★★★☆☆

FULL FACE HELMETS



X Race	★★★★★☆☆
Premier	
Trophy	★★★★★☆☆
Roof	
Panther	★★★★☆☆☆☆
RST	
Fusion	★☆☆☆☆☆☆
Ruroc	
Atlas 2.0	★★★★★☆☆
Atlas 3.0	★★★★★☆☆
Atlas 4.0 Carbon	★★★★★☆☆
Schuberth	
C5	★★★★★☆☆
R2	★★★★☆☆☆☆
S1 Pro	★★★☆☆☆☆
S2	★★★★☆☆☆☆
SR1	★★★★★☆☆
SR2	★★★★☆☆☆☆
Scorpion	
EX Combat	★★★★★☆☆
EXO Tech	★★★★★☆☆
EXO 300	★★★★★☆☆
EXO 400	★★★★★☆☆
EXO 410	★★★★★☆☆
EXO 450	★★★★★☆☆
EXO 490	★★★★★☆☆
EXO 500 Air	★★★★★☆☆
EXO 510 Air	★★★★★☆☆
EXO 710 Air	★★★★★☆☆
EXO 750	★★★★★☆☆

FULL FACE HELMETS



EXO 930 Evo	★★★★★☆☆
EXO 1000	★★★★★☆☆
EXO 1000 Air E11	★★★★★☆☆
EXO 1200 Air	★★★★★☆☆
EXO 1400 Air	★★★★★☆☆
EXO 2000	★★★★★☆☆
Exo R1 Evo	★★★★★☆☆
Shark	
D-Skwal	★★★★★☆☆
Race R	★★★★★★★
Race R Pro	★★★★★★★
Race R Pro Carbon	★★★★★★★
Ridill	★★★★★☆☆
RSF 3	★★★★★☆☆
RSR2 Carbon	★★★★★★★
S600	★★★★★☆☆
S650	★★★★★☆☆
S700	★★★★★☆☆
S900	★★★★★☆☆
Skwal	★★★★★☆☆
Skwal 2	★★★★★☆☆
Spartan	★★★★★☆☆
Spartan Carbon	★★★★★☆☆
Spartan GT	★★★★★☆☆
Spartan GT Carbon	★★★★★☆☆
Spartan RS	★★★★★☆☆
Speed R	★★★★★☆☆
Vancore 2	★★★★★☆☆
Vision R	★★★★★☆☆

FULL FACE HELMETS



Vision R GT Carbon	★★★★★☆☆
Shoei	
Ex Zero	★★★★★☆☆
Glamster	★★★★★☆☆
GT Air	★★★★★☆☆
NEOTEC 3	★★★★★★
NXR	★★★★★☆☆
NXR2	★★★★★★
Qwest	★★★★★★
Ryd	★★★★★★
X-Spirit II	★★★★★★
X-Spirit III	★★★★★★
XR-1100	★★★★★★
Shox	
Assault	★★★★☆☆
Axxis	★★★☆☆☆☆
Sniper	★★★★☆☆
Simpson	
Venom	★★★★★☆☆
Spada	
Arc	★★★☆☆☆☆
Evolution	★★★★★☆☆
RP700	★★★★★☆☆
RP900	★★★★★☆☆
RP One	★★★★★☆☆
SP16	★★★★☆☆
Stealth	
HD117	★★★★★☆☆
HD188	★★★★★☆☆

FULL FACE HELMETS



Suomy

Apex	★★★★☆
Excel	★★★★★
Speedstar	★★★★★

Suomy (cont)

Vandal	★★★★★
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Uvex

Xenova	★★★★★
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VCan

V100F	★★★★★
V127	★★★★★
V158	★★★★★
V190	★★★★★

Vemar

Ghibli	★★★★★
V1.01.1 Eclipse	★★★★★
V1.02.1 Midas	★★★★★
Zephir	★★★★★

Viper

RS 33	★★★★★
RS 44	★★★★★
RS 220	★★★★★
RS 222	★★★★★
RS 1010	★★★★★
RS V131	★★★★★
RS V99	★★★★★
RS V5 Zero	★★★★★
RS V7 Zero	★★★★★
RS V8	★★★★★

FULL FACE HELMETS



RS V9	★★★★★
X-Lite	
X603	★★★★★
X661	★★★★★
X702	★★★★★
X803 RS Carbon	★★★★★
X903	★★★★★
802R	★★★★★

SYSTEM (MODULAR/FLIP-UP) HELMETS



3GO		
E115	★★★★★	🔒 97%
AGV		
Compact	★★★★★	🔒 100%
Compact ST	★★★★★	🔒 100%
Longway II	★★★★★	🔒 90%
Numo	★★★★★	🔒 100%
Sport Modular	★★★★★	🔒 97%
Airoh		
Miro	★★★★	🔒 76%
Rides	★★★★	🔒 76%
Rev	★★★★★	🔒 73%
SV55 S	★★★★★	🔒 87%
Bell		
M10	★★★★	🔒 90%
Black		
Optimus SV	★★★★	🔒 66%
BMW		
System 6	★★★★★	🔒 97%
System 6 Evo	★★★★	🔒 93%
Box		
FX 1	★★★★	🔒 33%
SZ 1	★★★★	🔒 36%
Caberg		
Droid	★★★★★	🔒 100%
Duke	★★★★★	🔒 87%
Duke 2	★★★★★	🔒 90%
Horus	★★★★	🔒 87%
Konda	★★★★★	🔒 97%

SYSTEM (MODULAR/FLIP-UP) HELMETS



Levo	★★★★★	🔒 90%
Sintesi	★★★★★	🔒 90%
Tourmax	★★★★★	🔒 87%
Duchinni		
D605	★★★☆☆	🔒 97%
D606	★★★★★	🔒 30%
D619	★★★★★	🔒 23%
D839	★★★☆☆	🔒 37%
Frank Thomas		
FL09	★★★☆☆	🔒 20%
Fusion		
Tranz	★☆☆☆☆	🔒 23%
G-mac		
Axis	★★★★★	🔒 100%
Glide	★★★☆☆	🔒 80%
Grex		
G9.1	★★★★★	🔒 100%
HJC		
C90	★★★★★	🔒 87%
I90	★★★★★	🔒 90%
IS MAX	★★★★★	🔒 40%
IS MAX 2	★★★★★	🔒 100%
R-PHA 90S	★★★★★	🔒 93%
R-PHA 91	★★★★★	🔒 80%
R-PHA MAX	★★★★★	🔒 93%
SY-MAX III	★★★★★	🔒 40%
V90	★★★★★	🔒 90%
Lazer		
Paname	★★★★★	🔒 90%

SYSTEM (MODULAR/FLIP-UP) HELMETS



Monaco	★★★★★☆☆	🔒 63%
LS2		
Advant X	★★★★★☆☆	🔒 63%
FF324 Metro	★★★★☆☆☆☆	🔒 97%
FF325 Strobe	★★★★☆☆☆☆	🔒 100%
FF369 Delta	★★★★☆☆☆☆	🔒 70%
FF370	★★★★★☆☆	🔒 100%
FF386	★★★★★☆☆	🔒 100%
FF393	★★★★☆☆☆☆	🔒 37%
FF399 Valiant	★★★★★☆☆	🔒 97%
Scope	★★★★☆☆☆☆	🔒 87%
Marushin		
M401	★★★☆☆☆☆	🔒 17%
MDS		
MD200	★★★★★☆☆	🔒 100%
MT		
Atom SV	★★★★☆☆☆☆	🔒 50%
Flux	★★★★★☆☆	🔒 40%
Raptor	★★★★☆☆☆☆	🔒 70%
Nitro		
F342	★★★★☆☆☆☆	🔒 40%
F341-VN	★★★★☆☆☆☆	🔒 90%
F341 UNO	★★★★☆☆☆☆	🔒 77%
Nolan		
N90	★★★★★☆☆	🔒 100%
N903	★★★★★☆☆	🔒 90%
N91 Evo	★★★★★☆☆	🔒 100%
N100-5 Plus	★★★★★☆☆	🔒 100%
N104	★★★★★☆☆	🔒 100%

SYSTEM (MODULAR/FLIP-UP) HELMETS



NZI		
Convert III	★☆☆☆☆	🔒 73%
Fibrup	★★☆☆☆	🔒 77%
Roof		
Desmo 3	★★★★☆	🔒 97%
Schuberth		
C3 Pro	★★★☆☆	🔒 97%
C4	★★★☆☆	🔒 100%
C4 Pro	★★★★☆	🔒 93%
C5	★★★★☆	🔒 100%
E1	★★★☆☆	🔒 93%
Scorpion		
EXO 900 Air	★★★☆☆	🔒 83%
EXO 920	★★☆☆☆	🔒 90%
EXO 930	★★★★☆	🔒 63%
EXO 3000 Air	★★★☆☆	🔒 97%
EXO Tech	★★★★☆	🔒 33%
Shark		
Evoline III	★★★★★	🔒 57%
EVO-ONE	★★★★☆	🔒 100%
EVO-ONE 2	★★★★☆	🔒 100%
EVO-ES	★★★★☆	🔒 57%
Shoei		
GT Air III	★★★★☆	🔒 83%
Neotec	★★★★☆	🔒 93%
Neotec 2	★★★★☆	🔒 70%
Neotec 3	★★★★★	🔒 93%
Simpson		
Darksome	★★★★☆	🔒 67%

SYSTEM (MODULAR/FLIP-UP) HELMETS



Shox		
Bullet	★★★★☆	🔒 97%
Spada		
Orion 2	★★★★☆	🔒 83%
Reveal	★☆☆☆☆	🔒 83%
Tucana	★★☆☆☆	🔒 100%
Stealth		
HD189	★★★★☆	🔒 83%
Suomy		
D20	★★★★☆	🔒 100%
V Can		
V270	★★☆☆☆	🔒 100%
Viper		
RS V115	★★★★☆	🔒 80%
RS V131	★★★★☆	🔒 93%
RS V151	★★☆☆☆	🔒 100%
RS V171	★★☆☆☆	🔒 93%
RS V225	★★☆☆☆	🔒 77%
RS V335	★★☆☆☆	🔒 100%
X-Lite		
X1003	★★★★☆	🔒 100%
X1004	★★★★☆	🔒 100%