

# MACSEN LAMPS

## Bulb Catalogue

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# MAC

## MOTOR ACCESSORIES & COMPONENTS

## MACSEN LAMPS

### ABOUT US

Macsen Lamps is a family run business, established in 1982. We supply the motor and marine trades with a comprehensive range of cables, bulbs and auto electrical consumables at very competitive prices. We pride ourselves on looking after our customers and going that extra mile. Many of our customers have been with us for over 20 years.

### COMPANY HISTORY

Macsen Lamps was created in 1982 by John McCormick. With 10 years motor trade experience, he had frequently been asked to supply bulbs, and Macsen Lamps was born to satisfy that demand. John started by supplying bulbs only, to the motorcycle shops and garages in the North West of England, and is still supplying some of them today. His associate at the time, Bernard Senior, ran the same operation in the North East of England. This association gave rise to the unusual name, "Macsen". John amalgamated the two areas in 1983 when Bernard retired.

John soon realised there was a big demand for automotive cable and began to supply this to both the motor and marine trades.

John was very pleased that his daughter, Andrea, joined the company in 1994 and that his son Paul also joined in 2018.

### OUR AIM

Macsen Lamps aim is to supply the most comprehensive range of quality bulbs, cable and auto electrical consumables throughout the whole of the UK at the most competitive prices.



0161 971 0172



thebulbman@macsenlamps.co.uk



www.macsenlamps.co.uk

### TO PLACE AN ORDER:

Simply phone or email with your requirements and we will usually deliver your order to you within 2 working days. The minimum order from the Bulb and Wiper Blade Catalogues combined is £25+VAT. Many bulb and wiper blade orders are delivered the next working day.

To order bulbs just quote the bulb number and quantity, for example: For Top Lamp it would be 10 x 380, for Eurolec it would be 10 x **E380**, for Osram it would be 10 x **Ø380**.

Please consult our price list to see which bulbs are available in each of the bulb ranges. Please note that bulbs not listed in the catalogue may be on our price list. Please enquire for any bulbs not listed.

## MACSEN LAMPS BULBS

### Our Bulb Range

We obtained a distributorship with Top Lamp when they entered the U.K. in 1984, and this alliance made Macsen Lamps the biggest auto bulb specialist in the North West of England, with more bulb types available than all others in the area.

**TOP LAMP**, recognised throughout Europe as the leading independent auto bulb supplier for the replacement market, enjoy E1 approval from the internationally recognised authority in Germany, the KBA. The recent introduction of **stainless steel bulb caps** helps keep Top Lamp ahead of any competition. Macsen Lamps offers these high quality bulbs at the most competitive prices.

We also offer **OSRAM** - original equipment E1 bulbs.

Our **EUROLEC** bulbs are, in our opinion, are some of the best quality budget bulbs available anywhere, which offers a range of popular bulbs at remarkably low prices.



**TERMINALS, FUSES, CLIPS, BULB RACKS, HANDLAMPS and more.**

Also featured in this catalogue are:

- **ACE - Hose clips, mini clips** and rubber lined **"P" clips** in sensible pack sizes.
- **Fuses**
- **Electrical Terminals**
- **Cable Ties**
- **Trade Bulb Rack**
- **LED Handlamps**
- **Battery Isolator Switches**

# HALOGEN BULBS

**H1 Headlight P14.5s**



448 12v 55w  
466 24v 70w

**H4 Headlight P43t**



472B 12v 35/35w  
472 12v 60/55w  
475 24v 75/70w

**H8 Front Fog Light, Day Light, Corner Bulb, Parking Light. PGJ19-1**



H08 12v 35w

**H3 Front Fog Light, Headlight. PK22s**



455A 6v 25w  
455 6v 55w  
453A 12v 35w  
453 12v 55w  
460 24v 70w

**H4 Headlight P45t**



HB12 12v 60/55w  
HB24 24v 75/70w

**H9 Headlight PGJ19-5**



H09 12v 65w

**Front Fog Light PGJ13**



881 12v 27w

**H7 Headlight PX26d**

The Top Lamp H7s are filled with **Xenon** gas, producing a brighter light which last longer than standard halogen bulbs.



499 12v 55w  
499A 24v 70w

**H9B Headlight PGJY19-5**



H09B 12v 65w

**ALL OUR ROAD LEGAL HALOGENS ARE UV-CUT**

# HALOGEN BULBS

**H10 Front Fog Light PY20D**



H10 12v 42w

**H11 Headlight, Front Fog Light, Corner Bulb. PGJ19-2**



H11 12v 55w  
H11A 24v 70w

**H11B Headlight PGY19-2**



H11B 12v 55w

**H12 Headlight PZ20D**



H12 12v 53w

**H13 Headlight P26-4T**



H13 12v 60/55w

**H15 Headlight, Day Light, Parking Light. PGT23T-1**



H15 12v 15/55w

**H16 Front Fog Light PGJ19-3**



H16 12v 19w

**HB3/HB3A Headlight, Front Fog Light P20D**



9005 12v 60w  
9005XS(HB3A) 12v 60w

**HB4/HB4A Headlight, Front Fog Light. P22d**



9006 12v 51w  
9006XS(HB4A) 12v 51w

**HIR1 Headlight PX20D**  
Only available in Osram.



9011 12v 65w

**HIR2 Headlight PX22D**



9012 12v 55w

**ALL OUR ROAD LEGAL HALOGENS ARE UV-CUT**

# DESIGNER HEADLIGHTS

## PLUS 150% - Auto Express Best Buy Headlight 2020

Our ultimate upgrade option. This is our brightest headlamp which offers up to 150% more light on the road.

Winner of the Auto Express Best Buy headlight, beating the Philips Racing Vision GT200, the Osram Nightbreaker Laser, the Ring Pro 150%, the Ring Xenon 150, The Tungsram Megalight Ultra +150 and the Philips X-tremeVision Pro150. (full details in 18 - 24 November 2020 edition of the Auto Express magazine).



E1 quality approval.



### Top Lamp: Auto Express Best Buy

<b>448150T</b>	<b>12v</b>	<b>55w</b>
<b>472150T</b>	<b>12v</b>	<b>60/55w</b>
<b>499150T</b>	<b>12v</b>	<b>55w</b>
<b>H11150T</b>	<b>12v</b>	<b>55w</b>

Osram's Plus 150% range (Night Breaker Laser):

O448NBLT	12v	55w
O472NBLT	12v	60/55w
O499NBLT	12v	55w
O9005NBLT	12v	60w
O9006NBLT	12v	51w
OH08NBLT	12v	35w
OH11NBLT	12v	55w



### PLUS 120%

Our +120% bulb offers up to 120% more light on the road. E1 quality approval.



Top Lamp:

448120T	12v	55w
472120T	12v	60/55w
499120T	12v	55w
9005120T	12v	60w
9006120T	12v	51w
H11120T	12v	55w

### PLUS 30%

Our +30% bulb offers up to 30% more light on the road. E1 quality approval.



Top Lamp:

453ST(H3)	12v	55w
9012PP(HIR2)	12v	55w

### PLUS 50%

Our +50% bulb offers up to 50% more light on the road. E1 quality approval.



Top Lamp:

<b>12 volt:</b>		
448PPT	12v	55w
453PPT	12v	55w
472PPT	12v	60/55w
499PPT	12v	55w
9005PPT	12v	60w
9006PPT	12v	51w
H08PPT	12v	35w
H09PPT	12v	65w
H111PPT	12v	55w

**24 volt:**

460PPT(H3)	24v	70w
466PPT(H1)	24v	70w
475PPT(H4)	24v	75/70w
499APPT(H7)	24v	70w
H11APPT(H11)	24v	70w

### DIAMOND WHITE

#### 5000 kelvin

This bulb produces a super white light with colouring similar to LED bulbs. It also offers up to 50% more light on the road.

E1 quality approval.



Top Lamp:

448DWT	12v	55w
472DWT	12v	60/55w
499DWT	12v	55w
H11DWT	12v	55w

# DESIGNER HEADLIGHTS

## POWERWHITE

Filtered to give a brilliant white light. A xenon gas content ensures high performance.

*E1 quality approval.*

Top Lamp:

### 12 volt:

448WT	12v	55w
453WT	12v	55w
472WT	12v	60/55w
499WT	12v	55w
9005WT	12v	60w
9006WT	12v	51w
H08WT	12v	35w
H09WT	12v	65w
H111WT	12v	55w

### 24 volt:

466WT(H1)	24v	70w
475WT(H4)	24v	75/70w



## POWERWHITE HIGH WATTAGE

This bulb has a higher wattage than standard halogens, with a whiter light.

*For off road use or show purposes only.*

Top Lamp:

### 12 volt:

481WT(H1)	12v	100w
483WT(H3)	12v	100w
484WT(H4)	12v	100/80w
499HPT(H7)	12v	100w
9005HWT(HB3)	12v	100w
9006HWT(HB4)	12v	100w



## HIGH WATTAGE BLUE

Sometimes known as rally upgrades, these bulbs have a higher wattage and a darker blue colouring.

*For off road use or show purposes only.*

Top Lamp:

### 12 volt:

481CT(H1)	12v	100w
483CT(H3)	12v	100w
484CT(H4)	12v	100/80w
499HCT(H7)	12v	100w
9005HCT(HB3)	12v	100w
9006HCT(HB4)	12v	100w



### 24 volt:

493CT(H3)	24v	100w
491CT(H1)	24v	100w
475RCT(H4)	24v	100/90w
499AHCT(H7)	24v	100w

## COBALT BLUE

This bulb has a blue filter coat which gives it's colour a cool blue tinge.

*E1 quality approval.*

Top Lamp:

### 12 volt:

448CT(H1)	12v	55w
453CT(H3)	12v	55w
472CT(H4)	12v	60/55w
499CT(H7)	12v	55w
9005CT(HB3)	12v	60w
9006CT(HB4)	12v	51w
H08CT	12v	35w
H09CT	12v	65w
H11CT	12v	55w

### 24 volt:

460CT(H3)	24v	70w
466CT(H1)	24v	70w
475CT(H4)	24v	75/70w
499ACT(H7)	24v	55w



## HIGH WATTAGE

Sometimes known as rally upgrades these bulbs have a higher wattage than the standard halogens.

*For off road use or show purposes only.*

Top Lamp:

### 12 volt:

481(H1)	12v	100w
487(H1)	12v	130w
483(H3)	12v	100w
489(H3)	12v	130w
484(H4)	12v	100/80w
486(H4)	12v	160/100w
499H(H7)	12v	100w
9005H(HB3)	12v	100w
9006H(HB4)	12v	100w

### 24 volt:

491(H1)	24v	100w
494(H1)	24v	130w
493(H3)	24v	100w
495(H3)	24v	130w
475R(H4)	24v	100/90w
475S(H4)	24v	130/90w
499AH(H7)	24v	100w



## COBALT BLUE PLUS 50%

This bulb has a blue filter coat which gives it's colour a cool blue tinge, with up to 50% more light on the road.

*E1 quality approval.*

Top Lamp:

### 12 volt:

448CPT(H1)	12v	55w
472CPT(H4)	12v	60/55w
499CPT(H7)	12v	55w



## MINIATURE BULBS

### Lilypution Edison Screw E5/8



280	12v	1.5w
687	24v	1.1w

### Minature Edison Screw E10/13



990	6v	3w
987	12v	2.2w
650	24v	2.8w



950	6v	6w
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### PEANUT BA7s



282	6v	1.2w
281	12v	2w
283	24v	3w

### Minature Centre Contact BA9s



287	6v	2w
288	12v	2w
289	24v	2w



293	6v	4w
233	12v	4w
233C cobalt	12v	4w
249	24v	4w

## MINIATURE BULBS

### Minature Centre Contact BA9s



951	6v	5w
989	12v	5w
227	24v	5w

### Minature Centre Contact BA9s Level Pin HALOGEN



433A	12v	5w
433B	12v	10w
433	12v	20w
432	12v	23w
432A amber	12v	23w
433F	24v	5w
433G	24v	10w
433H	24v	20w

### Minature Centre Contact Off Set Pin BAX9s/BAY9s HALOGEN



433C	12v (BAX9s)	6w
433CC cobalt	12v (BAX9s)	6w
433D	12v (BAY9s)	21w
433E	24v (BAY9s)	21w

### Off Set Pin HALOGEN BAW9s



433W amber	12v	21w
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### G4 HALOGEN CAPSULE



434B	12v	5w
434	12v	10w
434A	12v	20w
434F	24v	10w
434G	24v	20w
434H	24v	50w
434J	28v	10w

## CAPLESS BULBS

### CAPLESS T4.2



514	12v	1.2w
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### CAPLESS T5



286	12v	1.2w
286A amber	12v	1.2w
286B blue	12v	1.2w
286G green	12v	1.2w
286P pearl	12v	1.2w
286R red	12v	1.2w
286X	12v	2.3w
924	12v	2w

### CAPLESS (Ford) T7



712	12v	1.7w
712A	12v	3w

### CAPLESS T10



502	6v	3w
1112	12v	1.2w
504	12v	3w
501	12v	5w
501A amber	12v	5w
501C cobalt	12v	5w
501CDB* cobalt	12v	5w
501H (halogen)	12v	5w
501HC(hal. cobalt)	12v	5w
501R red	12v	5w
501SS silverstyle	12v	5w
O501X xenon	12v	6w
503H (halogen)	12v	10w
505	24v	3w
507	24v	5w
507A amber	24v	5w
507B blue	24v	5w
507R red	24v	5w



## CAPLESS BULBS

### CAPLESS T15



921D	12v	5w
921C	12v	10w
921B	12v	16w
921BA amber	12v	16w
921	12v	21w
921A amber	12v	21w
921R red	12v	21w

### CAPLESS T20



382W	12v	21w
382WA amber	12v	21w
382WR red	12v	21w



380W	12v	21/5w
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## FESTOON BULBS

### 6 x 36mm



256A	12v	3w
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### 7 x 30mm



257	12v	3w
256C	24v	3w

### 8 x 26mm



261	12v	5w
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## FESTOON BULBS

### 8 x 38mm



256	12v	3w
256B	24v	3w

### 11 x 30mm

(common on Japanese vehicles)



269	12v	10w
269A	24v	10w

### 11 x 38mm



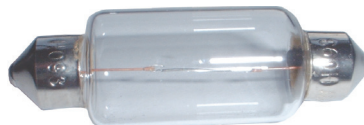
253	6v	5w
239	12v	5w
272	12v	10w
242	24v	5w
653	24v	6w
274A	24v	10w

### 11 x 43mm



265 (often Vauxhall)	12v	10w
260	24v	5w
274	24v	10w

### 15 x 43mm



266	6v	15w
265A	12v	10w
267	12v	15w
270	12v	18w
273	12v	21w
275	24v	21w

## SIDE, TAIL & FLASHER

### Single Centre Contact BA15s Level Pin



205	6v	5w
244	6v	10w
244A	6v	15w
207	12v	5w
207H (Halogen)	12v	5w
207R red	12v	5w
245	12v	10w
245H (halogen)	12v	10w
245A amber	12v	10w
211C	12v	15w
207M	12v	21w
207MA amber	12v	21w
149	24v	5w
149H (Halogen)	24v	5w
246	24v	10w
874	28v	7w



212	24v	15w
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### TUBULAR BA15s

#### Single Centre Contact Level Pin



207T	12v	5w
245T	12v	10w

### Small Bayonet Cap BA15d

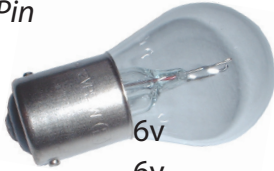
#### Double Contact, Single Element Level Pin



209	12v	5w
209H (halogen)	12v	5w
211A	12v	15w
150	24v	5w
247	24v	5w HD
246D	24v	10w
875	28v	7w

### STOP, TAIL, FLASHER & FOG

**Single Centre Contact** **BA15s**  
Level Pin



316	6v	18w
317	6v	21w
382B	12v	18w
382	12v	21w
382H (halogen)	12v	21w
382SS	12v	21w
382Y amber	12v	21w
382R red	12v	21w
241	24v	21w
241H (halogen)	24v	21w
241Y amber	24v	21w
290	24v	21w HD
339	24v	24w
345	28v	26w

**Single Contact** **BAU15s**  
Off Set Pin



245FY amber	12v (19mm)	10w
582	12v	21w
581 amber	12v	21w
581SS	12v	21w
581A amber	24v	21w

**Small Bayonet Cap** **BA15d**  
Double Contact, Single Element  
Level Pin



319	6v	21w
335	12v	21w
335H (halogen)	12v	21w
346	24v	21w
333	24v	24w
344	28v	26w

**Double Contact** **BA15d**  
Level Pin (old cars)



381	12v	21/5w
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### STOP, TAIL & FLASHER

**Double Contact** **BAY15d**  
Off Set Pin



384	6v	21/5w
380	12v	21/5w
380M	12v (19mm)	21/5w
380R red	12v	21/5w
380C Volvo	12v	32/4cp
334	24v	21/5w

### STOP & TAIL, FOG & TAIL

**Double Contact** **BAZ15d**  
Double Off Set Pin



566	12v	21/4w
566A	24v	21/4w

### STOP & TAIL

**Double Contact** **BAW15d**  
Double Off Set Pin  
(first used on Fords)



567	12v	21/5w
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### STOP, TAIL & REAR FOG

**Single Contact** **BAW15d**  
Double Off Set Pin  
(first used on Fords)



584	12v	21w
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### STOP, TAIL, FLASHER & FOG

**PCWB** **W2.5**  
Plastic Cap Wedge Base



3156	12v	27w
3156A amber	12v	27w



3157	12v	27/7w
3157A amber	12v	27/7w

### REVERSING BULBS

**BEEP BULB** **BA15s**  
Single Contact Level Pin



382BP	12v	20w
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### BUS BULBS

**PEARL Small Bayonet Cap BA15d**  
Double Contact Level Pin



810	12v	24w
817	24v	12w
822	24v	24w

**PEARL Bayonet Cap** **B22d**  
Double Contact Level Pin



809	12v	24w
816	24v	12w
821	24v	20w

## HEADLIGHT BULBS

**Single Bayonet Cap** BA15d  
Double Contact



005 12v 36w

**ASYMETRIC** P45t  
Double Contact



410 12v 45/40w  
410H (Halogen) 12v 45/40w  
429 24v 55/50w

**British Pre-focus** P36d



312 6v 30/24w  
414 12v 50/40w

**FLANGED** P26s



181 12v 15w

**HALOGEN FLANGED** P26s



181H 12v 15w

**BOSCH** BA20d



392 6v 25/25w  
393 6v 35/35w  
394 12v 25/25w  
395 12v 35/35w  
396 12v 45/40w

## HEADLIGHT BULBS

**Bosch Halogen** BA20d  
Double Contact



393H 6v 35/35w  
395H 12v 35/35w  
395HB (blue) 12v 35/35w  
396H 12v 45/40w

**Minature Pre-focus** P15d-25  
Double Contact



3625 6v 25/25w  
3603 12v 25/25w  
3604 12v 35/35w

**Minature Pre-focus Halogen** P15d-25  
Double Contact



3625H 6v 25/25w  
3603H 12v 25/25w  
3604H 12v 35/35w

**American Pre-focus** P15d-30  
Double Contact



5655 6v 25/25w  
5659 6v 35/35w  
5677 12v 35/35w

**SUZUKI 3-LUG** P15FL  
Double Contact



7007 6v 25/25w  
7027 12v 35/35w  
7028 12v 45/40w

## BULB KITS



### 12v

TEPH1	H1	KIT
TEPH4	H4	KIT
TEPH7	H7	KIT
TEPH8	H08	KIT
TEPH9	H09	KIT
TEPH10	H10	KIT
TEPH11	H11	KIT
TEPHB3	HB3	KIT
TEPHB3/4	HB3 & HB4	KIT

### 12v Heavy Duty

TEPH1XP	H1	KIT
TEPH4XP	H4	KIT
TEPH7XP	H7	KIT

### 24v

TEPH424	H4	KIT
TEPH0724	H7 & H1	KIT
TEO0424D	H1,H4 & H7	KIT

### 24v Heavy Duty

TEPH424XP	H4	KIT
TEPH0724XP	H7 & H1	KIT
TEP0424DXP	H1,H4 & H7	KIT

## SILICONE SHEATHS



BLUE (B) GREEN (G)  
ORANGE (O) RED (R) YELLOW (Y)  
10 PER BOX

PCC5	SUITS 286 SIZE
PCC10	SUITS 501 SIZE
PCC19	SUITS 207 SIZE

ADD COLOUR CODE TO PART  
NUMBER e.g. PCC5B



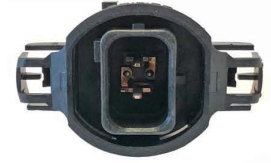
# HiPerVision

**P13W** Daytime Running.  
Fog Light.



P12277(clear) 12v 13w PG18.5d-1 HiPerVision

**PSY24W** Parking Light.  
Flasher.



P12188(amber) 12v 24w PG20/4 HiPerVision  
P12180S(chrome) 12v 24w PG20/4 Silvervision  
(flashes amber)

**PCY16W** Flasher.



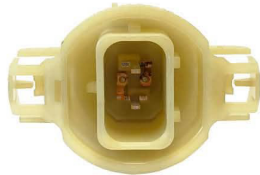
P12271(amber) 13.5v 16w PU20d/2 Hiperclick

**PS19W** Daytime Running.  
Fog Light.  
Reversing Light.



P12085(clear) 12v 19w PG20/1 HiPerVision  
P12085LL(clear) 12v 19w PG20/1 Longer Life

**PSX24W** Daytime Running.  
Fog Light.  
Reversing Light.



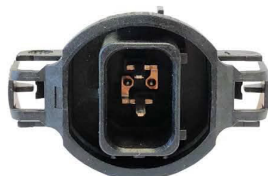
P12276(clear) 12v 24w PG20/7 HiPerVision

**PSX26W** Daytime Running.  
Sidelight.



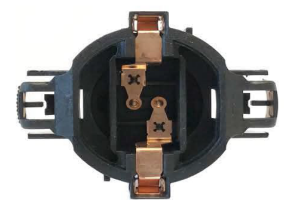
P12278(clear) 12v 26w PG18.5d/3 HiPerVision

**PSY19W** Flasher.



P12275(amber) 12v 19w PG20/2 HiPerVision

**PY24W** Flasher.



P12190(amber) 12v 24w PGU20/4 HiPerVision  
P12180S(chrome) 12v 24w PGU20/4 Silvervision  
(flashes amber)



# HiPerVision

## PS24W

Stop Light.  
Tail Light.  
Flasher.



P12086(clear) 12v 24w PG20/3 HiPerVision

## PW16W



P12177(clear) 12v 16w WP3,3x14,5/4 HiPerVision

## PWY24W



P12174(amber) 12v 24w WP3,3x14,5/4 HiPerVision  
P12174S(chrome) 12v 24w WP3,3x14,5/4 Silvervision  
(flashes amber)

## PW24W Daytime Running.



P12182(clear) 12v 24w WP3,3X14,5/3 HiPerVision

## HiPerVision LCP



P12197(clear)	13.5v 24w	HiPerVision
P12197B(clear)	13.5v 24w	HiPerVision(bulb only)
P***** (clear)	13.5v 16w	HiPerVision
P***** (amber)	13.5v 16w	HiPerVision



# LED BULBS

**UP TO 50,000 HOURS**

(EXTERNAL LEDS ARE FOR OFF ROAD AND SHOW PURPOSES ONLY)

COLOUR CODES

**B = BLUE**

**G = GREEN**

**R = RED**

**W = WHITE**

**Y = YELLOW**

LED286 12v T5 1-LED  
B/G/R/W/Y



LED508 24v T5 1-LED  
B/G/R/W/Y

LED286T 12v PCB 1-LED  
B/G/R/W/Y



LED508T 24v PCB 1-LED  
B/G/R/W/Y

LED233 12v BA9s 4-LED  
B/G/R/W/Y



LED249 24v BA9s 4-LED  
B/G/R/W/Y

LED207 12v BA15s 5-LED  
B/G/R/W/Y



LED149 24v BA15s 5-LED  
B/G/R/W/Y

LED246 24v BA15s 4-LED  
B/G/R/W/Y

LED501 12v T10 4-LED  
B/G/R/W/Y



LED507 24v T10 4-LED  
B/R/W/Y

LED921B 12v T15 9-LED  
W



LED239 12v 11x38 3-LED  
B/G/R/W/Y



LED242 24v 11x38 3-LED  
B/G/R/W/Y

LED265 12v 11 x 43 6-LED  
B/G/R/W/Y



LED269 12v 11x30 4-LED  
B/G/R/W/Y



LED382 12v BA15s 19-LED  
B/G/R/W/Y



LED241 24v BA15s 19-LED  
B/W/Y

LED581 12v BAU15s 19-LED  
Y



LED380 12v BAY15d 19-LED  
B/G/R/W/Y



LED334 24v BAY15d 19-LED  
B/G/R/W/Y

LED380W 12v BAY15d 19-LED  
Wedge base White only



LED382W 12v BA15s 19-LED  
Wedge base B/G/R/W/Y

LED566 12v BAZ15d 19-LED  
W



# LED HEADLIGHT BULBS

**UP TO 50,000 HOURS**

(EXTERNAL LEDS ARE FOR OFF ROAD AND SHOW PURPOSES ONLY)

LED448 12v 8LEDS P14.5S H1  
(H1) White or blue



LED9005 12v 18LEDS HB3 P20D  
(HB3) White or blue



LED9006 12v 18LEDS HB4 P22D  
(HB4) White or blue

LED472 12v 18LEDS P43T H4  
(H4) White or blue



LEDH08 12v 18LEDS PGJ19-1  
White only

LEDH09 12v 18LEDS PGJ19-5  
White only

LED499 12v 18LEDS PX26D H7  
(H7) White or blue



LEDH10 12v 18LEDS PY20D  
White only

LEDH11 12v 18LEDS PY20D  
White or blue



# LED CANBUS BULBS

Canbus LED bulbs are suitable for vehicles with engine management control systems (ECUs), they should prevent engine warning lights appearing on the vehicle dash board.

(EXTERNAL LEDS ARE FOR OFF ROAD AND SHOW PURPOSES ONLY)

LEDC233 12v BA9S 1-LED  
WHITE



LEDC433C 12v BACX9S 1-LED  
WHITE



LEDC239 12v FESTOON  
11x38mm 2-LED  
WHITE



LEDC501 12v W21x9.5D 1-LED  
WHITE



# H.I.D. GAS DISCHARGE BULBS

High-intensity gas discharge (HID) bulbs, or 'xenons', have an arc of high-voltage current rather than a metal filament to produce light. These bulbs are suitable for use in 12v and 24v vehicles. As well as Osram and Eurolec we can also supply Neolux E1 approved gas discharge bulbs.

It is always recommended to change these bulbs in pairs, and they should always be replaced by a qualified mechanic.



D1R



D2R



D3R



D4R



D1S



D2S



D3S



D4S



D5S



D8S

## HID Gas Discharge Bulbs

Available in Eurolec, Osram and Neolux.

	<b>V</b>	<b>W</b>	<b>Kelvins</b>
D1R	85v	35w	4300K
D1S	85v	35w	4300K
D2R	85v	35w	4300K
D2S	85v	35w	4300K
D3S	42v	35w	4300K
D3R	42v	35w	4300K
D4S	42v	35w	4300K
D4R	42v	35w	4300K

Available in Osram only:

D5S	12v	25w	4800K
D8S	42v	25w	4500K

## Osram Xenarc Cool Blue Intense

This range gives an extra-blue xenon light, available in Osram only.

	<b>V</b>	<b>W</b>	<b>Kelvins</b>
D1R	85v	35w	6000K
D1S	85v	35w	6000K
D2R	85v	35w	6000K
D2S	85v	35w	6000K
D3S	42v	35w	6000K
D3R	42v	35w	6000K
D4S	42v	35w	6000K
D4R	42v	35w	6000K



# HEAVY DUTY BULBS

# Bulb Stock Guide

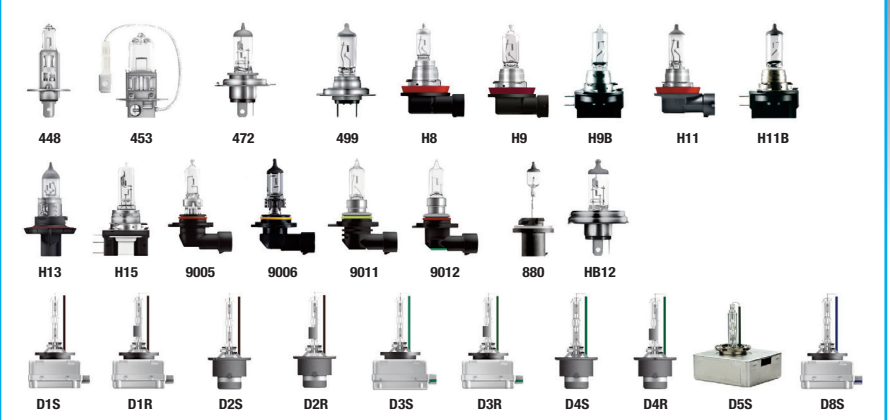
## Headlight Bulb Upgrades:

Cobalt Blue  
Heavy Duty Long Life  
Diamond White  
Plus 120% & 150%  
Off Road High Wattage

## Auxiliary Bulbs Upgrades:

Heavy Duty Long Life available

## Headlights



## Front Fog Lights



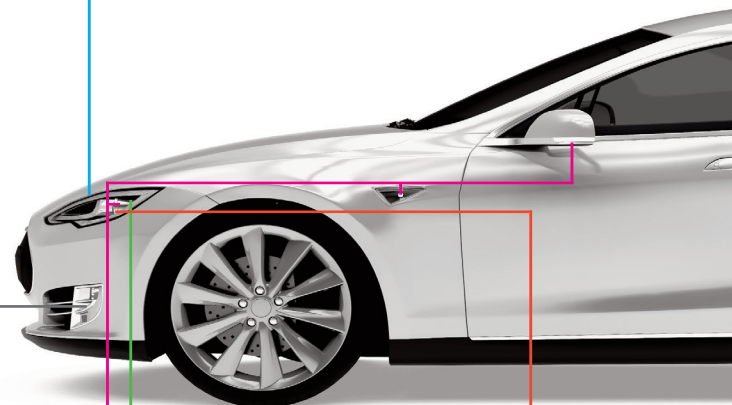
## Side Markers & Front Indicators



## Parking Lights



## Day Time Lights





**Brake Lights**



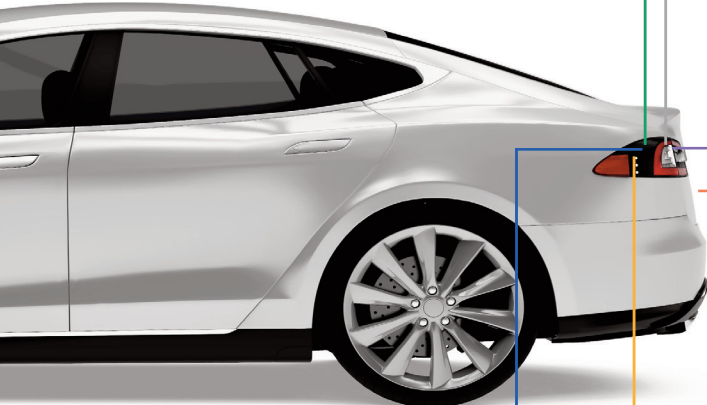
**Rear Fog Lights**



**Number Plate Lights**



**Tail Lights**



**Rear Indicators**



**Reversing Lights**



**Macsen Lamps**  
 Phone: 0161 971 0172  
 Email: [thebulbman@macsenlamps.co.uk](mailto:thebulbman@macsenlamps.co.uk)  
 Website: [www.macsenlamps.co.uk](http://www.macsenlamps.co.uk)

## MINI BLADE FUSES

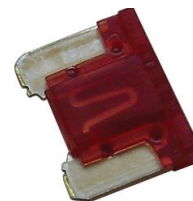
EFMB2	2amp Grey	50
EFMB3	3amp Violet	50
EFMB4	4amp Pink	50
EFMB5	5amp Beige	50
EFMB7.5	7.5amp Brown	50
EFMB10	10amp Red	50
EFMB15	15amp Blue	50
EFMB20	20amp Yellow	50
EFMB25	25amp Clear	50
EFMB30	30amp Green	50
EFMB35	30amp Amber	50



## LOW PROFILE FUSES

Sometimes known as micro fuses.

EFLP2	2amp Grey	10
EFLP3	3amp Violet	10
EFLP4	4amp Pink	10
EFLP5	5amp Beige	10
EFLP7	7amp Brown	10
EFLP10	10amp Red	10
EFLP15	15amp Blue	10
EFLP20	20amp Yellow	10
EFLP25	25amp Clear	10
EFLP30	30amp Green	10



## BLADE FUSES

EFB2	2amp Grey	50
EFB3	3amp Violet	50
EFB4	4amp Pink	50
EFB5	5amp Beige	50
EFB7.5	7.5amp Brown	50
EFB10	10amp Red	50
EFB15	15amp Blue	50
EFB20	20amp Yellow	50
EFB25	25amp Clear	50
EFB30	30amp Green	50
EFB40	40amp Amber	50



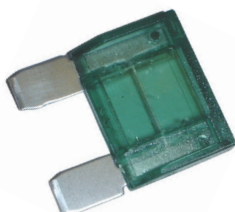
## MICRO 2 FUSES

EF2M5	5amp Beige	10
EF2M7.5	7.5amp Brown	10
EF2M10	10amp Red	10
EF2M15	15amp Blue	10
EF2M20	20amp Yellow	10
EF2M25	25amp Clear	10
EF2M30	30amp Green	10



## MAXI BLADE FUSES

EFXB20-10	20amp Yellow	10
EFXB30-10	30amp Green	10
EFXB40-10	40amp Amber	10
EFXB50-10	50amp Red	10
EFXB60-10	60amp Blue	10
EFXB70-10	70amp Tan	10
EFXB80-10	80amp Clear	10
EFXB100-10	100amp Violet	10



## MICRO 3 FUSES

EF3M5	5amp Beige	10
EF3M7.5	7.5amp Brown	10
EF3M10	10amp Red	10
EF3M15	15amp Blue	10
EF3M20	20amp Yellow	10
EF3M25	25amp Clear	10
EF3M30	30amp Green	10



## 20mm RADIO FUSES

Add -10 to part no. for a pack of 10, e.g. EFR3-10.

EFR1	1amp	50
EFR2	2amp	50
EFR3	3amp	50
EFR5	5amp	50
EFR10	10amp	50



## 30mm GLASS FUSES

EFG2	2amp	50
EFG5	5amp	50
EFG10	10amp	50
EFG15	15amp	50
EFG20	20amp	50
EFG25	25amp	50
EFG30	30amp	50
EFG35	35amp	50
EFG50	50amp	50

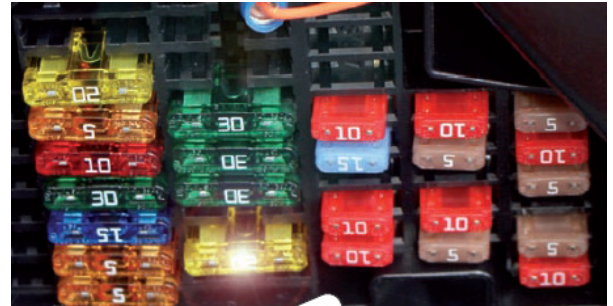


# LED FUSES

LED fuses - once the fuse has blown the LED lights up to show exactly where the fuse is located.

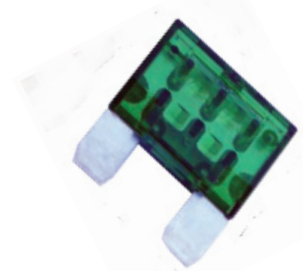
## MINI BLADE LED FUSES

EFMB2LED	2amp Grey	10
EFMB3LED	3amp Violet	10
EFMB4LED	4amp Pink	10
EFMB5LED	5amp Beige	10
EFMB7LED	7amp Brown	10
EFMB10LED	10amp Red	10
EFMB15LED	15amp Blue	10
EFMB20LED	20amp Yellow	10
EFMB25LED	25amp Clear	10
EFMB30LED	30amp Green	10
EFMB35LED	30amp Amber	10



## MAXI BLADE LED FUSES

EFXB20LED	20amp Yellow	10
EFXB30LED	30amp Green	10
EFXB40LED	40amp Amber	10
EFXB50LED	50amp Red	10
EFXB60LED	60amp Blue	10
EFXB70LED	70amp Tan	10
EFXB80LED	80amp Clear	10
EFXB100LED	100amp Violet	10



## BLADE LED FUSES

EFB2LED	2amp Grey	10
EFB3LED	3amp Violet	10
EFB4LED	4amp Pink	10
EFB5LED	5amp Beige	10
EFB7LED	7amp Brown	10
EFB10LED	10amp Red	10
EFB15LED	15amp Blue	10
EFB20LED	20amp Yellow	10
EFB25LED	25amp Clear	10
EFB30LED	30amp Green	10
EFB40LED	40amp Amber	10



## LOW PROFILE LED FUSES

EFLP5LED	5amp Beige	10
EFLP7LED	7amp Brown	10
EFLP10LED	10amp Red	10
EFLP15LED	15amp Blue	10
EFLP20LED	20amp Yellow	10
EFLP25LED	25amp Clear	10
EFLP30LED	30amp Green	10



## CONTINENTAL FUSES

EFC5	5amp Yellow	50
EFC8	8amp White	50
EFC16	16amp Red	50
EFC25	25amp Blue	50



## STRIP FUSES

EFS30	30amp	10
EFS40	40amp	10
EFS50	50amp	10
EFS60	60amp	10
EFS80	80amp	10
EFS100	100amp	10



## DOMESTIC FUSES

EFD13	13amp	10
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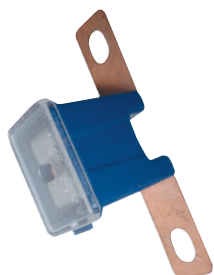
## FUSIBLE LINKS (FEMALE)

EFLF20	20amp White	1
EFLF30	30amp Pink	1
EFLF40	40amp Green	1
EFLF50	50amp Red	1
EFLF60	60amp Yellow	1
EFLF80	80amp Black	1
EFLF100	100amp Blue	1



## FUSIBLE LINKS (MALE 62)

EFLM30	30amp Pink	1
EFLM40	40amp Green	1
EFLM50	50amp Red	1
EFLM60	60amp Yellow	1
EFLM80	80amp Black	1
EFLM100	100amp Blue	1



## FUSIBLE LINKS (MALE)

EFLM30	30amp Pink	1
EFLM40	40amp Green	1
EFLM50	50amp Red	1
EFLM60	60amp Yellow	1
EFLM80	80amp Black	1



## PVC INSULATION TAPE

Flame retardant, 19mm x 20m.

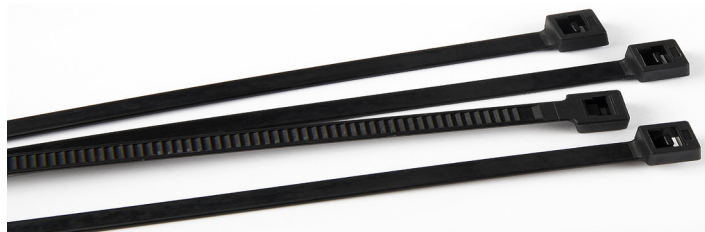
EPT1	Black	10
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EPT1RE	Red	10
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## CABLE TIES



### BLACK

ECT1	100 x 2.5mm (4" x 1/8")	200
ECT2	200 x 4.8mm (8" x 3/16")	100
ECT3	300 x 4.8mm (12" x 3/16")	100
ECT7	370 x 4.8mm (15" x 3/16")	100
ECT4	370 x 7.6mm (15" x 5/16")	100



### SILVER

ECT7SV	370 x 4.8mm (15" x 3/16")	100
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### WHITE

ECT7WH	370 x 4.8mm (15" x 3/16")	100
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# MACSEN LAMPS

Introduces

## THE FIRST EVER TRADE BULB RACK



- Designed and compiled with over 25 years experience
- Over 95% availability of daily needs
- Holds one months balanced stock
- Takes 10 way box. (No more paying for, or fiddling with, single boxes)
- E1 Original equipment specification
- Complete with reference chart, with photos, part numbers and descriptions
- It's only 540mm (H) x 525mm (W) x 140mm (D) and wall mounts
- Car and commercial options available
- Smaller quantity options available

### CONTENTS

#### MAC1

Full rack for cars (401 bulbs)  
207 x 50, 233 x 10, 239 x 10, 245 x 20, 265 x 10, 269 x 10,  
380 x 50, 380W x 5, 382 x 50, 382W x 5, 382Y x 10, 433C x 5,  
448 x 10, 472 x 20, 499 x 20, 501 x 50, 501A x 10,  
566 x 10, 581 x 30, 921 x 10, 9005 x 2, 9006 x 2, H11 x 2.

#### MAC2

Smaller option for cars (271 bulbs)  
207 x 30, 233 x 10, 239 x 10, 245 x 10, 265 x 10, 269 x 10,  
380 x 30, 380W x 3, 382 x 30, 382W x 3, 382Y x 10, 433C x 3,  
448 x 6, 472 x 10, 499 x 10, 501 x 30, 501A x 10,  
566 x 10, 581 x 20, 921 x 10, 9005 x 2, 9006 x 2, H11 x 2.

#### MAC3

Full rack for commercials (600 bulbs)  
149 x 50, 150 x 50, 209 x 10, 241 x 50, 249 x 50, 283 x 20,  
289 x 10, 334 x 20, 335 x 10, 346 x 40, 460 x 10, 466 x 10,  
475 x 20, 499A x 20, 505 x 50, 507 x 50, 508 x 50, 508T x 50,  
581A x 10, 653 x 20.

#### MAC4

Smaller option for commercials (372 bulbs)  
149 x 30, 150 x 30, 209 x 10, 241 x 30, 249 x 30, 283 x 10,  
289 x 10, 334 x 10, 335 x 10, 346 x 30, 460 x 6, 466 x 6,  
475 x 10, 499A x 10, 505 x 30, 507 x 30, 508 x 30, 508T x 30,  
581A x 10, 653 x 10.

## HANDLAMPS

Our range of COB LED superbright handlamps. All have magnetic bases with a 3.5 hour working time and come with a USB charger. All sold individually.



<b>LEDP01</b>	Flexible to 360°, super bright 330 lumens, slim blade handlamp.
<b>LEDP04</b>	Super bright 330 lumens handlamp, with light that moves up to 90°.
<b>LEDP02</b>	Super bright 270 lumens heavy duty handlamp, made for the toughest working environments.
<b>LEDP03</b>	Flexible to 180°, super bright 270 lumens handlamp, made for the toughest working environments.

### NUMBER PLATE FIXERS

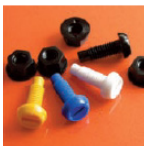
NUMBER PLATE PADS - double sided, pre cut.

NPP50	1" x 3"	50
NPP500	1" x 3"	500



NUMBER PLATE NUTS AND BOLTS

F55200	White 1"	100 pairs
F55210	Yellow 1"	100 pairs
F55220	Black 1"	100 pairs



NUMBER PLATE SCREWS WITH FLIP TOP

F55229	Blue 8 x 3/4"	100 pairs
F55230	White 8 x 3/4"	100 pairs
F55240	Yellow 8 x 3/4"	100 pairs
F55250	Black 8 x 3/4"	100 pairs



### BATTERY ISOLATOR SWITCHES

MAXIMUM VOLTAGE 24v. STUD SIZE 10mm.

100amp (max. 500amps for 5 seconds).  
Supplied with 2 keys and a weather seal.

TS594	100amp	1
TS594K	Spare Key	1



250amp (max. 2500amps for 3 seconds).  
Supplied with metal key and dust cap.

TS341	250amp	1
TS341K	Spare Key	1







## HOSE CLIPS

ZINC PLATED  
9mm BAND

HC9-12	8-12mm	10
HC9-16	10-16mm	10
HC9-22	12-22mm	10
Larger sizes (up to 140mm) available		



12mm BAND

HC-27	16-27mm	10
HC-32	20-32mm	10
HC-35	23-35mm	10
HC-40	25-40mm	10
HC-45	30-45mm	10
HC-50	32-50mm	10
HC-60	40-60mm	10
HC-70	50-70mm	10
HC-80	60-80mm	10
HC-90	70-90mm	10
HC-100	80-100mm	10
HC-110	90-110mm	10
HC-120	100-120mm	10



Larger sizes (up to 220mm) available.  
Stainless steel hose clips available.

HCR	HOSE CLIP RACK	1
100 hose clips, HC9-12 to HC-60		
40 pipe clips 7-11mm, 11-19mm		



Stainless Steel Rack available.

HCD	FLEXI DRIVER	1
-----	--------------	---



## MINI CLIPS

ZINC PLATED

MC9	7-9mm	10
MC10	8-10mm	10
MC11	9-11mm	10
MC12	10-12mm	10
MC13	11-13mm	10
MC14	12-14mm	10
MC15	13-15mm	10
MC16	14-16mm	10
MC17	15-17mm	10
MC18	16-18mm	10



Stainless steel mini clips available.

MCR	MINI CLIP RACK	1
100 clips, MC9 to MC18		



Stainless Steel Rack available

## RUBBER LINED 'P' CLIPS

PC5	5mm	50
PC6	6mm	50
PC8	8mm	50
PC10	10mm	50
PC13	13mm	50
PC16	16mm	50
PC21	21mm	50
PC25	25mm	50
PC29	29mm	50
PC35	35mm	50



## SPLICE CONNECTORS

ESL1	RED	50
ESL2	BLUE	100
ESL2-3M	BLUE 3M	100



## CONNECTORS

ET1	SINGLE SLEEVE	100
ET2	DOUBLE SLEEVE	50
ET39	SOLDERLESS BRASS BULLET	100



## NON-INSULATED TERMINALS

ET40	6.3mm FEMALE	100
ET41	COVER FOR ET40	100



## HEAT SHRINK TERMINALS

ET165	RED BUTT	25
ET166	BLUE BUTT	25
ET167	YELLOW BUTT	10



## TERMINAL BLOCK CONNECTORS

12-WAY STRIPS, NEUTRAL

ETB3	3 amp	10
ETB5	5 amp	10
ETB15	15 amp	10
ETB30	30 amp	10



## RED INSULATED TERMINALS

ET3*	3.2mm FEMALE	100
ET4*	5mm FEMALE	100
ET45*	5mm F/I FEMALE	100
ET6*	6.6mm FEMALE	100
ET9*	6.6mm F/I FEMALE	100
ET13*	6.6mm PIGGY-BACK	100
ET15*	4mm BULLET	100
ET18*	4mm SOCKET	100
ET124	3.2mm RING (6BA)	100
ET20	4.3mm RING (4BA)	100
ET22	5.3mm RING (2BA)	100
ET25	6.4mm RING (1/4")	100
ET28	8.4mm RING (5/16")	100
ET33	4mm BUTT	100
ET36*	6.3mm MALE	100
ET116	4.3mm FORK (4BA)	100
ET120	5.3mm FORK (2BA)	100
ET145	1.9mm PIN	100
ET47	2.3mm BLADE	100


















F/I FULLY INSULATED  
\* WITH ANTI-VIBRATION INSERT

## BLUE INSULATED TERMINALS

ET5*	5mm FEMALE	100	
ET46*	5mm F/I FEMALE	100	
ET7*	6.6mm FEMALE	100	
ET10*	6.6mm F/I FEMALE	100	
ET14*	6.6mm PIGGY-BACK	100	
ET16*	5mm BULLET	100	
ET19*	5mm SOCKET	100	
ET125	3.2mm RING (6BA)	100	
ET21	4.3mm RING (4BA)	100	
ET23	5.3mm RING (2BA)	100	
ET26	6.4mm RING (1/4")	100	
ET29	8.4mm RING (5/16")	100	
ET31	10.5mm RING (3/8")	100	
ET34	4.5mm BUTT	100	
ET37*	6.3mm MALE	100	
ET117	4.3mm FORK (4BA)	100	
ET121	5.3mm FORK (2BA)	100	
ET123	6.4mm FORK (1/4")	100	
ET146	1.9mm PIN	100	
ET48	2.3mm BLADE	100	

## YELLOW INSULATED TERMINALS

ET8*	6.6mm FEMALE	50	
ET11*	6.6mm F/I FEMALE	50	
ET12*	10mm FEMALE	50	
ET12F*10mm	F/I FEMALE	50	
ET44*	6.6mm PIGGY-BACK	50	
ET129	4.3mm RING (4BA)	50	
ET24	5.3mm RING (2BA)	50	
ET27	6.4mm RING (1/4")	50	
ET30	8.4mm RING (5/16")	50	
ET32	10.5mm RING (3/8")	50	
ET43	12mm RING (1/2")	50	
ET35	6.8mm BUTT	50	
ET38*	6.3mm MALE	50	
ET119	4.3mm FORK (4BA)	50	
ET147	2.9mm PIN	50	

F/I FULLY INSULATED  
\* WITH ANTI-VIBRATION INSERT

# Flat Blade **Exact Fit Programme**



## Sizes: 14" to 32"

- The correct Adaptor is Pre-fitted for the Vehicle
- Quick & Easy installation
- Latest Wiping Technology
- 100% Natural injection moulded Rubber
- Resistance to heat and cold
- No Streaking, No Smearing, No Juddering
- Quiet Wipe



## Adaptor Types:

A



Arm Type:  
Side Lock Pin 22mm



A2



Arm Type:  
Side Lock Pin 19mm



A3



Arm Type:  
Side Lock Pin Wide Fit



B



Arm Type:  
Rear Pinch Pin



C



Arm Type:  
Top Push Button  
Width: 19mm



C2



Arm Type:  
Top Push Button  
Width: 16mm



C3



Arm Type:  
Top Push Button  
Width: 19mm



C4



Arm Type:  
Top Push Button  
Width: 15mm



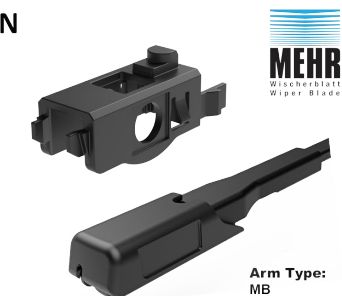
D



Arm Type:  
Bayonet Top Lock



# Exact Fit continued...



**Citroen Cactus C4**  
Flat Blade with built in  
Washer also available  
from **MEHR**



# Flat Blade

## Multi Fit Adapter Programme



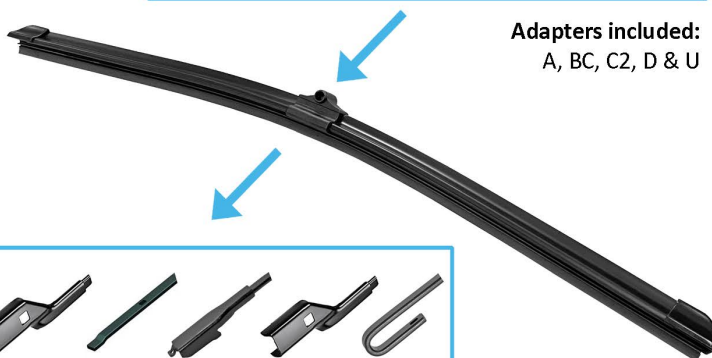
Only  
**5**  
Adapters

### Mehr Multi Fit Adapter Range:



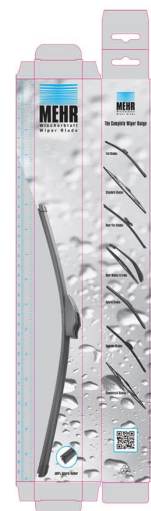
- Only 15 Part Numbers!
- 5 adaptors to cover 6 Wiper arm types
- Simply Snap On the adapter you require
- 92% UK vehicle Parc Coverage

Adapters included:  
A, BC, C2, D & U



#### Arm types fitted:

Side Lock Pin, Rear Pinch Pin, Top Push Button 16mm, Top Push Button 19mm, Bayonet & Universal Hook



## Standard Conventional Blades: 11" to 28"



- Stainless Steel construction corrosion resistant.
- Quick & easy installation.
- Universal hook type adaptor.
- 100% Natural Rubber injection moulded to correct length, graphite coated.
- Reduced wiping noise.
- All Blades boxed individually.
- Colour coded Labels for type of Blade with Part No. & Bar Code.
- Pareto number means, 1 is the most popular part number.

Part No.	Pareto	Blades & Adaptors
MB11	14	11" 280mm 7x3, 8x3, 9x3, 7.2 bayonet (total 4 adaptors)
MB13	13	13" 330mm 7x3, 8x3, 9x3, 7.2 bayonet (total 4 adaptors)
MB14	11	14" 350mm U adaptor, 7.2 bayonet (total 2 adaptors)
MB15	10	15" 380mm U adaptor, 7.2 bayonet (total 2 adaptors)
MB16	6	16" 410mm U adaptor, 7.2 bayonet (total 2 adaptors)
MB17	9	17" 430mm U adaptor
MB18	1	18" 450mm U adaptor
MB18W	19	18" 450mm U adaptor with washer nozzle
MB19	4	19" 480mm U adaptor
MB20	2	20" 510mm U adaptor
MB21	5	21" 530mm U adaptor
MB22	3	22" 550mm U adaptor
MB22RR	20	Special Standard Blade 22" 550mm RR Special adaptor
MB22W	17	22" 550mm U adaptor with washer nozzle
MB24	7	24" 600mm U adaptor and restricted lift adaptor (total 2 adaptors)
MB24W	15	24" 600mm U adaptor with washer nozzle
MB26	8	26" 650mm U adaptor and restricted lift adaptor (total 2 adaptors)
MB26RR	18	Special Standard Blade 26" 650mm RR Special adaptor
MB26W	16	26" 650mm U adaptor with washer nozzle
MB28	12	28" 700mm 12x4, 9x4, 9x4 U adaptor

## Spoiler Blades: 18" to 26"



Part No.	Pareto	Blades & Adaptors
MSB18	6	18" 450mm 8x3, 9x3, 9x4 Hook
MSB19	7	19" 480mm 8x3, 9x3, 9x4 Hook
MSB20	5	20" 510mm 8x3, 9x3, 9x4 Hook
MSB21	3	21" 530mm 8x3, 9x3, 9x4 Hook
MSB22	1	22" 550mm 8x3, 9x3, 9x4 Hook
MSB24	2	24" 600mm 8x3, 9x3, 9x4 Hook
MSB26	4	26" 650mm 8x3, 9x3, 9x4 Hook

# Rear Wiper Blades



- 82 different part numbers.
- Exact fit as OE, no complex adaptors.
- Quick & easy installation.
- Both Plastic & Steel types as fitted from new some complete with arms.
- No hassle trying to sort out & fit the correct adaptor, there's only one!
- 100% Natural Rubber injection moulded to correct length, graphite coated.
- Some complete with Wiper Arm.
- Rubber refills also available.
- All Blades boxed individually.
- Colour coded Labels for type of Blade with Part No. & Bar Code.
- Part Number: MRB = rear blade  
MRFB = rear flat blade  
MRBA = rear blade and arm



Part No.	Pareto	Description	Spindle Diameter mm
MRB12	1	Rear Blade Plastic 12" 310mm	4
MRB16	2	Rear Blade Plastic 16" 415mm	3.8
MRB14	3	Rear Blade Plastic 14" 365mm	4
MRB11.5	4	Rear Blade Plastic 11" 285mm	3.7
MRB143	5	Rear Blade Plastic 14" 360mm	4
MRB12Y	6	Rear Blade Plastic 12" 310mm	6.7
MRB12J2	7	Rear Blade Plastic 12" 315mm	6.2
MRFB11B	8	Rear Flat Blade 11" 280mm	
MRFB14	9	Rear Flat Blade 14" 350mm	
MRFB14G	10	Rear Flat Blade 14" 350mm	
MRB14J	11	Rear Blade Plastic 14" 350mm	7
MRFB11	12	Rear Flat Blade 11" 280mm	
MRB122	13	Rear Blade Plastic 12" 305mm	3.7
MRFB14K	14	Rear Flat Blade 14" 350mm	
MRB14J2	15	Rear Blade Plastic 14" 335mm	6.7
MRFB11K	16	Rear Flat Blade 11" 280mm	
MRFB15K	17	Rear Flat Blade 15" 380mm	
MRB10	18	Rear Blade Plastic 10" 255mm	7
MRB9AR	19	Rear Blade Plastic 9" 225mm	3.9
MRFB11C	20	Rear Flat Blade 11" 280mm	
MRFB16	21	Rear Flat Blade 16" 410mm	
MRFB16C	22	Rear Flat Blade 16" 410mm	
MRFB13	23	Rear Flat Blade 13" 330mm	
MRFB16G	24	Rear Flat Blade 16" 410mm	
MRFB18	25	Rear Flat Blade 18" 450mm	
MRB11	26	Rear Blade Plastic 11" 270mm	4.5
MRB14V	27	Rear Blade Plastic 14" 350mm	7
MRB123	28	Rear Blade Plastic 12" 310mm	3.8
MRB14X	29	Rear Blade Plastic 14" 355mm	7
MRFB16B	30	Rear Flat Blade 16" 410mm	
MRFB9B	31	Rear Flat Blade 9" 225mm	
MRB11X	32	Rear Blade Plastic 11" 280mm	6.8
MRB12J	33	Rear Blade Plastic 12" 310mm	5.4
MRFB10C	34	Rear Flat Blade 10" 250mm	
MRFB13ARD	35	Rear Flat Blade 13" 330mm	
MRFB16K	36	Rear Flat Blade 16" 410mm	
MRB15AR	37	Rear Blade Plastic 15" 380mm	4.1
MRFB15B	38	Rear Flat Blade 15" 380mm	
MRB142	39	Rear Blade Plastic 14" 360mm	5
MRBA12	40	Rear Blade & Arm 12" 300mm	
MRFB13G	41	Rear Flat Blade 13" 330mm	
MRB12U	43	Rear Blade Plastic 12" 310mm	6.7
MRB13A	44	Rear Blade Plastic 13" 325mm	4
MRB20	45	Rear Blade Plastic 20" 500mm	4
MRB20F	46	Rear Blade Plastic 20" 500mm	4
MRBA13	47	Rear Blade & Arm 13" 330mm	
MRFB10K	48	Rear Flat Blade 10" 250mm	
MRFB13H	49	Rear Flat Blade 13" 330mm	
MRFB15C	50	Rear Flat Blade 15" 380mm	
MRB12AR5	52	Rear Blade Plastic 12" 300mm	6.5
MRBA13S	53	Rear Blade & Arm 13" 330mm	
MRB15J	54	Rear Blade Plastic 15" 380mm	6.8

Part No.	Pareto	Description	Spindle Diameter mm
MRB16X	55	Rear Blade Plastic 16" 410mm	6.7
MRB17	56	Rear Blade Plastic 14" 370mm	2 lugs
MRB18	57	Rear Blade Plastic 13" 340mm	2 lugs
MRB8J	58	Rear Blade Plastic 8" 200mm	6
MRBA12Y	59	Rear Blade & Arm 12" 300mm Poly Bagged	
MRBA13R	60	Rear Blade & Arm 13" 330mm Poly Bagged	
MRBA13T	61	Rear Blade & Arm 13" 330mm Poly Bagged	
MRBA13U	62	Rear Blade & Arm 13" 330mm	
MRBA13V	63	Rear Blade & Arm 13" 330mm	
MRBA13X	64	Rear Blade & Arm 13" 330mm	
MRBA14U	65	Rear Blade & Arm 14" 350mm	
MRBA14T	66	Rear Blade & Arm 14" 350mm	
MRBA16	67	Rear Blade & Arm 16" 410mm Poly Bagged	
MRBA19	68	Rear Blade & Arm 19" 480mm	
MRFB12	69	Rear Flat Blade 12" 300mm	
MRFB12ARC	70	Rear Flat Blade 12" 300mm	
MRFB12ARH	71	Rear Flat Blade 12" 300mm	
MRFB14C	72	Rear Flat Blade 14" 350mm	
MRFB14T	73	Rear Flat Blade 13" 330mm	
MSRB15	74	Rear Steel Blade 15" 380mm	4
MRFB15AR	75	Rear Flat Blade 15" 380mm	

#### Front Blades Fitted as Rear

MB16	1	Standard Blade 16" 400mm	"U" Hook
MB15	2	Standard Blade 15" 380mm	"U" Hook
MB18	3	Standard Blade 18" 450mm	"U" Hook
MB13	4	Standard Blade 13" 330mm	"U" Hook
MB20	5	Standard Blade 20" 500mm	"U" Hook
MB17	6	Standard Blade 17" 430mm	"U" Hook
MB14	7	Standard Blade 14" 350mm	"U" Hook
MB19C	8	Flat Blade 19" 480mm	"C" Adaptor
MB11	9	Standard Blade 11" 280mm	"U" Hook
MB19	10	Standard Blade 19" 480mm	"U" Hook
MB22	11	Standard Blade 22" 550mm	"U" Hook
MB21	12	Standard Blade 21" 530mm	"U" Hook
MB20B	13	Flat Blade 20" 500mm	"B" Adaptor
MB20C	14	Flat Blade 20" 500mm"	"C" Adaptor





# Hybrid Wiper Blades

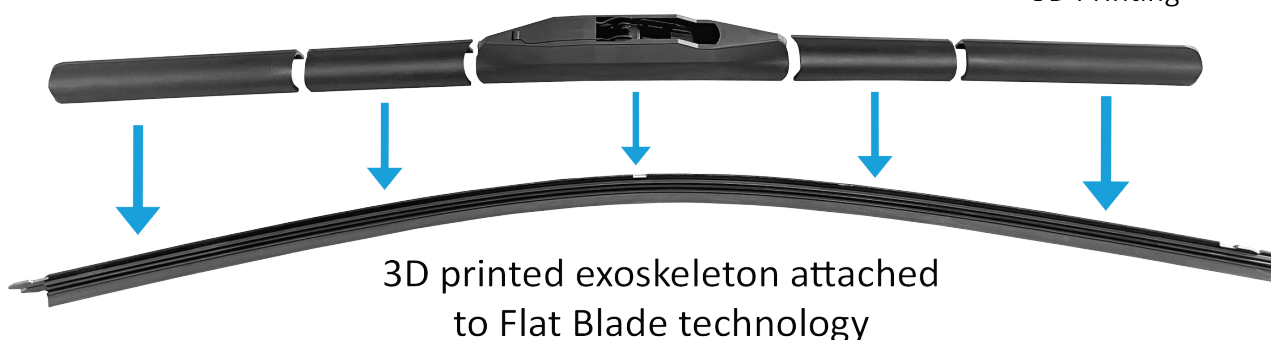


Different isn't always better, however when it comes to Hybrid Blade performance it definitely is.

Our Unique Hybrid is designed to look like a Standard Hybrid Blade but incorporates the latest Flat Blade technology. Customers can now have blades that look the same but have advanced wiping performance.



3D Printing



3D printed exoskeleton attached to Flat Blade technology



Final Product



All Hybrid Blades come with the Universal Hook type adaptor for use with the standard U Hook Wiper Arm

# Rear Wiper Blades



- 82 different part numbers.
- Exact fit as OE, no complex adaptors.
- Quick & easy installation.
- Both Plastic & Steel types as fitted from new some complete with arms.
- No hassle trying to sort out & fit the correct adaptor, there's only one!
- 100% Natural Rubber injection moulded to correct length, graphite coated.
- Some complete with Wiper Arm.
- Rubber refills also available.
- All Blades boxed individually.
- Colour coded Labels for type of Blade with Part No. & Bar Code.
- Part Number: MRB = rear blade  
MRFB = rear flat blade  
MRBA = rear blade and arm



Part No.	Pareto	Description	Spindle Diameter mm
MRB12	1	Rear Blade Plastic 12" 310mm	4
MRB16	2	Rear Blade Plastic 16" 415mm	3.8
MRB14	3	Rear Blade Plastic 14" 365mm	4
MRB11.5	4	Rear Blade Plastic 11" 285mm	3.7
MRB143	5	Rear Blade Plastic 14" 360mm	4
MRB12Y	6	Rear Blade Plastic 12" 310mm	6.7
MRB12J2	7	Rear Blade Plastic 12" 315mm	6.2
MRFB11B	8	Rear Flat Blade 11" 280mm	
MRFB14	9	Rear Flat Blade 14" 350mm	
MRFB14G	10	Rear Flat Blade 14" 350mm	
MRB14J	11	Rear Blade Plastic 14" 350mm	7
MRFB11	12	Rear Flat Blade 11" 280mm	
MRB122	13	Rear Blade Plastic 12" 305mm	3.7
MRFB14K	14	Rear Flat Blade 14" 350mm	
MRB14J2	15	Rear Blade Plastic 14" 335mm	6.7
MRFB11K	16	Rear Flat Blade 11" 280mm	
MRFB15K	17	Rear Flat Blade 15" 380mm	
MRB10	18	Rear Blade Plastic 10" 255mm	7
MRB9AR	19	Rear Blade Plastic 9" 225mm	3.9
MRFB11C	20	Rear Flat Blade 11" 280mm	
MRFB16	21	Rear Flat Blade 16" 410mm	
MRFB16C	22	Rear Flat Blade 16" 410mm	
MRFB13	23	Rear Flat Blade 13" 330mm	
MRFB16G	24	Rear Flat Blade 16" 410mm	
MRFB18	25	Rear Flat Blade 18" 450mm	
MRB11	26	Rear Blade Plastic 11" 270mm	4.5
MRB14V	27	Rear Blade Plastic 14" 350mm	7
MRB123	28	Rear Blade Plastic 12" 310mm	3.8
MRB14X	29	Rear Blade Plastic 14" 355mm	7
MRFB16B	30	Rear Flat Blade 16" 410mm	
MRFB9B	31	Rear Flat Blade 9" 225mm	
MRB11X	32	Rear Blade Plastic 11" 280mm	6.8
MRB12J	33	Rear Blade Plastic 12" 310mm	5.4
MRFB10C	34	Rear Flat Blade 10" 250mm	
MRFB13ARD	35	Rear Flat Blade 13" 330mm	
MRFB16K	36	Rear Flat Blade 16" 410mm	
MRB15AR	37	Rear Blade Plastic 15" 380mm	4.1
MRFB15B	38	Rear Flat Blade 15" 380mm	
MRB142	39	Rear Blade Plastic 14" 360mm	5
MRBA12	40	Rear Blade & Arm 12" 300mm	
MRFB13G	41	Rear Flat Blade 13" 330mm	
MRB12U	43	Rear Blade Plastic 12" 310mm	6.7
MRB13A	44	Rear Blade Plastic 13" 325mm	4
MRB20	45	Rear Blade Plastic 20" 500mm	4
MRB20F	46	Rear Blade Plastic 20" 500mm	4
MRBA13	47	Rear Blade & Arm 13" 330mm	
MRFB10K	48	Rear Flat Blade 10" 250mm	
MRFB13H	49	Rear Flat Blade 13" 330mm	
MRFB15C	50	Rear Flat Blade 15" 380mm	
MRB12AR5	52	Rear Blade Plastic 12" 300mm	6.5
MRBA13S	53	Rear Blade & Arm 13" 330mm	
MRB15J	54	Rear Blade Plastic 15" 380mm	6.8

Part No.	Pareto	Description	Spindle Diameter mm
MRB16X	55	Rear Blade Plastic 16" 410mm	6.7
MRB17	56	Rear Blade Plastic 14" 370mm	2 lugs
MRB18	57	Rear Blade Plastic 13" 340mm	2 lugs
MRB8J	58	Rear Blade Plastic 8" 200mm	6
MRBA12Y	59	Rear Blade & Arm 12" 300mm Poly Bagged	
MRBA13R	60	Rear Blade & Arm 13" 330mm Poly Bagged	
MRBA13T	61	Rear Blade & Arm 13" 330mm Poly Bagged	
MRBA13U	62	Rear Blade & Arm 13" 330mm	
MRBA13V	63	Rear Blade & Arm 13" 330mm	
MRBA13X	64	Rear Blade & Arm 13" 330mm	
MRBA14U	65	Rear Blade & Arm 14" 350mm	
MRBA14T	66	Rear Blade & Arm 14" 350mm	
MRBA16	67	Rear Blade & Arm 16" 410mm Poly Bagged	
MRBA19	68	Rear Blade & Arm 19" 480mm	
MRFB12	69	Rear Flat Blade 12" 300mm	
MRFB12ARC	70	Rear Flat Blade 12" 300mm	
MRFB12ARH	71	Rear Flat Blade 12" 300mm	
MRFB14C	72	Rear Flat Blade 14" 350mm	
MRFB14T	73	Rear Flat Blade 13" 330mm	
MSRB15	74	Rear Steel Blade 15" 380mm	4
MRFB15AR	75	Rear Flat Blade 15" 380mm	

## Front Blades Fitted as Rear

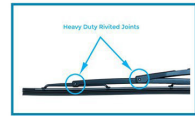
MB16	1	Standard Blade 16" 400mm	"U" Hook
MB15	2	Standard Blade 15" 380mm	"U" Hook
MB18	3	Standard Blade 18" 450mm	"U" Hook
MB13	4	Standard Blade 13" 330mm	"U" Hook
MB20	5	Standard Blade 20" 500mm	"U" Hook
MB17	6	Standard Blade 17" 430mm	"U" Hook
MB14	7	Standard Blade 14" 350mm	"U" Hook
MFB19C	8	Flat Blade 19" 480mm	"C" Adaptor
MB11	9	Standard Blade 11" 280mm	"U" Hook
MB19	10	Standard Blade 19" 480mm	"U" Hook
MB22	11	Standard Blade 22" 550mm	"U" Hook
MB21	12	Standard Blade 21" 530mm	"U" Hook
MFB20B	13	Flat Blade 20" 500mm	"B" Adaptor
MFB20C	14	Flat Blade 20" 500mm"	"C" Adaptor



# Mehr CV & PSV Blades 20" - 40"



- Compact range.
- Stainless Steel construction corrosion resistant.
- Heavy Duty riveted joints for extra strength & reduced noise.
- Selection of adaptors for each part number.
- Quick & easy installation.
- 100% Natural Rubber injection moulded to correct length, graphite coated.
- All Blades boxed individually.
- Colour coded Labels for type of Blade with Part No. & Bar Code.



Part No.	Description	Technical Description	Adaptor Fitting
MCVB20H	CV Blade 20" 510mm	CV Blade 20" 510mm 8x3, 9x3, 9x4 Hook	1
MCVB22S	CV Blade 22" 550mm	CV Blade 22" 550mm Bolt type 2 holes 13,6-16 with spacer	6
MCVB24H	CV Blade 24" 600mm	CV Blade 24" 600mm 12x4, 9x4, 9x4 short hook	3, 4 & 8
MCVB24W	CV Blade 24" 600mm Washer Nozzle	CV Blade 24" 600mm Spray nozzle + Multifit adaptor	2
MCVB26B	CV Blade 26" 650mm	CV Blade 26" 650mm Bolt type 2 holes 13,6-16 with spacer	6
MCVB26H	CV Blade 26" 650mm 12mm fitting	CV Blade 26" 650mm 12x4, 9x4, 9x4 short hook	3, 4 & 8
MCVB26H2	CV Blade 26" 650mm 14mm fitting	CV Blade 26"- 650mm 14x4 hook	9
MCVB26W	CV Blade 26" 650mm Washer Nozzle	CV Blade 26"- 650mm Spray nozzle + Multifit adaptor	2
MCVB28	CV Blade 28" 700mm	CV Blade 28" 700mm 12x4, 9x4, 9x4 short hook	3, 4 & 8
MCVB28B	CV Blade 28" 700mm	CV Blade 28" 660mm Bolt type 2 holes 13,6-16 with spacer	6
MCVB28W2	CV Blade 28" 700mm Washer Nozzle	CV Blade 28" 700mm Spray nozzle + 12x4, 9x4 short hook	2, 4 & 8
MCVB32B	CV Blade 32" 800mm	CV Blade 32" 800mm 25/27mm Bolt Type with spacer	7
MCVB36B	CV Blade 36" 900mm Poly Bagged	CV Blade 36" 900mm Bolt type 25/27mm with spacer	7
MCVB36H	CV Blade 36" 900mm Poly Bagged	CV Blade 36" 900mm 16x6mm Hook Adapter pre-mounted	5
MCVB40B	CV Blade 40" 1000mm Poly Bagged	CV Blade 40" 1000mm 22/25/27mm Bolt Type	7
MCVB40H	CV Blade 40" 1000mm Poly Bagged	CV Blade 40" 1000mm 16x6mm Hook Adapter pre-mounted	5

<b>1</b>	<b>ADAPTOR</b>	<b>ARM</b>	<b>ADAPTOR</b>	<b>ARM</b>	<b>6</b>
	MULTIFIT	9x3mm & 9x4mm Hook Arm	17mm Spacer	13mm & 17mm Saddle	
<b>2</b>					<b>7</b>
	MULTIFIT	9x3mm & 9x4mm + Spray Nozzle	22mm, 25mm & 27mm Spacer	22mm, 25mm & 27mm Saddle	
<b>3</b>					<b>8</b>
	9x4mm Hook	9x4mm Hook Arm	9x4mm Short Hook	9x4mm Hook Arm	
<b>4</b>					<b>9</b>
	12x4mm Hook	12x4mm Hook Arm	14x4mm Hook	14x4mm Hook Arm	
<b>5</b>					
	16x6mm Hook	16x6mm Hook Arm			

# Mehr LCV & Accessories

## LCV Wiper Blades

The majority of new Light Commercial Vehicles are fitted with Flat Blades. There are currently over 100 types fitted with Flat Blades with this figure set to increase further.

Mehr cover:

Citroen, Fiat, Ford, Mercedes Benz, Mitsubishi, Nissan, Peugeot, Renault, Toyota, Vauxhall & Volkswagen.



## Wiper Blade Accessories

Mehr offer a full range of accessories:



SCREEN WASHER PARTS	AUTOLAMPS PART NO.	DESCRIPTION	PACK QTY
	MW775181	WASHER PUMP 12V	1
	MW775191	WASHER PUMP 24V	1
	MW775111	30M PVC WASHER TUBING (CLR) 3MM	1
	MW775112	30M PVC WASHER TUBING (CLR) 5MM	1
	MW775162	WASHER SINGLE OUTLET JETS 5mm	5
	MW775172	WASHER DOUBLE OUTLET JETS 5mm	5
	MW775132	WASHER NON RETURN FOOTVALVES 5mm	5
	MW775142	WASHER NON RETURN IN-LINE VALVES 5mm	5
	MW775122	WASHER T PIECES 5mm	5

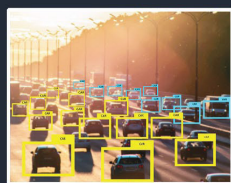


## Wiper Blade Rack

Content tailored to your demands



Wiper Blade Refills



As well as manufacturing the latest Wiper Blades for the latest vehicles, we also back this up with industry leading application data. This can be found on MAM V8.







# **MACSEN LAMPS**

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