



UNIVERSAL PARTS BROCHURE

AERO/EXTERIOR

ABOUT US

Established in 2000 in Colchester, Essex, UK by former Lotus engineer Simon Farren, Reverie started by designing and producing niche track day and aftermarket Carbon Fibre performance parts, primarily for Lotus models. Growing quickly, in 2001 Reverie started offering composite engineering and manufacturing services to small car manufacturers, motorsport manufacturing companies and race teams. Caterham Cars commissioned Reverie to design, manufacture and supply a complete induction silencer system for their R500 with K-Series engine. Between 2003 and 2005, Reverie was proudly involved in winning a large motorsport composite project for Foggy PETRONAS Racing, involving the manufacture of 150 full panel sets for the FP1 homologation special motorbike. All delivery times and quality targets were met for both the OEM manufacturing company and the FP1 race team. After gaining ISO9001 certification in 2014, Reverie was selected to manufacture Carbon Fibre OEM key fobs for McLaren (MP4/12 P1) to very high clear coated paint specifications. This large contract involved manufacturing over 24,000 units.#



MD, Simon J, Farren

WHY CHOOSE REVERIE?

An established world-wide market leader with passionate, professional and highly skilled staff who offer composites design, manufacturing and repair skills. A technical sales team with real practical knowledge of road/race and track applications and fitments of our Product ranges be it aerodynamics or powertrain enhancing to help you select the best solution and support you to fit our products. We have a one-stop shop - Composite cutting, laminating, curing, CNC machining, painting, polishing and inspection. We proudly supply LMP1/WRC Motorsport teams and manufacturers, not F1 including for example Cosworth Electronics, Gibson Technology, Lazer lamps, M-Sport. Because we do not supply F1 means we are not seasonal and will therefore not increase or inflate our prices or hold up your Reverie parts order. With full ISO 9001 quality status, as a customer you can be assured of the very best customer service, continuing service and product improvements and highest quality products and services, we need, like, internally monitor / report and respect your valued feedback.

View terms and conditions

WHY THE AUTOCLAVED PROCESS?

We predominantly use pre-impregnated epoxy thermoset composite materials to ensure that high fibre contents can be achieved consistently. We also CNC cut, then meticulously hand lay, vacuum bag and autoclave all the layers to further ensure low void contents and trapped volatiles to maximise interlaminar shear properties by forcing the various layers in the fibre/resin matrix together. This process as used widely in F1 results in high quality lightweight, cosmetic grade parts achievable time and time again, with low void content and surface pin-holing.





BODYWORK PARTS 1 2 **AIR INTAKE DUCTS/SCOOPS** 1 R01SB0032 Mondello - 100mm Oval Outlet R01SB0026 Mondello - 75mm Oval Outlet 2 R01SE0367 Bumper/Radiator Duct 330 x 50mm 3 R01SE0366 Rectangular Duct 75/100mm Outlet (per side) **BONNET/ROOF SCOOPS** 4 R01SE0068 150 x 140 x 49mm, Ext. Flange 5 R01SE0067 150 x 140 x 49mm, Int. Flange R01SE0070 150 x 140 x 90mm, Ext. Flange R01SE0069 150 x 140 x 90mm, Int. Flange R01SE0064 300 x 140 x 49mm, Ext. Flange R01SE0063 300 x 140 x 49mm, Int. Flange R01SE0065 300 x 140 x 90mm Int. Flange R01SE0066 300 x 140 x 90mm, Ext. Flange R01SE0365 425 x 140 x 49mm, Ext. Flange R01SE0438 425 x 140 x 49mm, Int. Flange R01SE0439 425 x 140 x 90mm, Ext. Flange R01SE0440 425 x 140 x 90mm, Int. Flange Pair shown non-handed **BONNET VENT GRILLS** 5 6 6 R01SB0404 L232mm x W56mm **NACA DUCTS** 7 R01SE0009 58mm Outlet 8 R01SE0008 58mm Triple Outlet 9 R01SE0178 75mm Outlet 10 R01SE0179 100mm Outlet II R01SB0179 Rectangular 147 x 25mm Outlet **OTHER** 12 R01SB0680 Front Bumper Lip Canards Pair NEW 7 8 Inside non-moulded paint ready 9 10 11



>> CLICK TO VIEW DIFFUSER SIZE GUIDE

UNIVERSAL DIFF

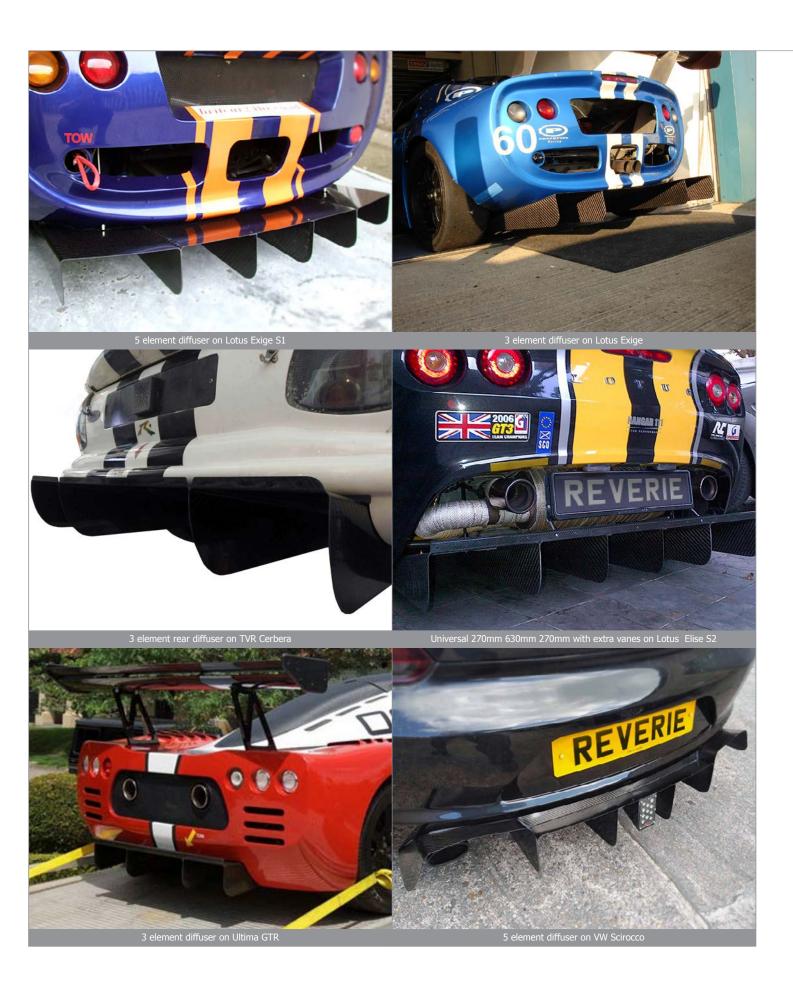
We produce universal rear diffuser tunnels in various widths that can be joined together to form a rear diffuser with a 10° ramp angle fixing along the front mounting edge which can be retained, or cut to fit almost any vehicle. Ideally, our diffusers should be mounted between 6° and 12° to the floor. We also offer a range of adjustable stainless steel stays to allow mounting the rear of the diffuser and tuning its angle. Universal diffuser elements are 800mm long and available as 127mm, 270mm, 410mm, 630mm or 790mm wide, we also offer separate diffuser vanes that can be bonded on to increase the number of elements on the diffuser. We produce a Group C style element that also allows for multiple elements to be bonded together, that is 305mm wide and 1470mm long. Length and shape of vanes available to any profile or depth please specify when ordering.







Joined diffuser tunnels



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>> CLICK TO VIEW REAR WING FAQ
>> CLICK TO VIEW WING SELECTION GUIDE

WINGS (FRONT/REAR)

We produce various styled front and rear wings in high quality, autoclaved Carbon Fibre to generate grip-enhancing down force and to tune the aero balance of a vehicle. Multiple wing profiles are available optimised using CFD software.

The wings range from simple low drag single element wings to much larger high down force dual element wings. Dual element wings can be more efficient at generating down force than larger chord single element wings, which is why we don't offer a profile with a chord of more than 310mm.

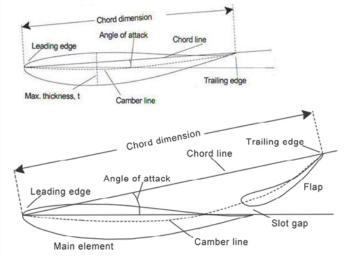
Most of our wings are supplied with end plates to give more down-force by reducing the tip losses of the high and low pressure air mixing.



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WINGS TECHNICAL INFORMATION



All data shown is based on a wing length of 1000mm and test speed of 100mph, Generally lift over drag improves as span increases, but a good estimate of downforce and drag can be obtained by multiplying the 1 metre data show below by the span of interest in metres To convert drag into BHP absorbed use the following formula;

BHP absorbed = $(2 \times Drag(N) \times Speed(m/s)) \div 1500$ Conversion for Mph to m/s 1 mph = 0.447 m/s

>> CLICK TO VIEW MORE CALCULATION EXPLANATIONS

All our wing profiles are available without mounting tabs or end plates allowing you to customise for virtually any application. The width can be specified when ordering (max. width displayed below) as well as finish (polished, sand-for-paint or painted

WING PROFILES (NO MOUNTING TABS OR END PLATES)

R01SB0640 150mm Chord x W2100mm R01SB0358 225mm Chord x W1800mm (Straight) R01SB0357 225mm Chord x W1800mm (Curved) R01SB0422 310mm Chord Low Downforce x W2100mm R01SB0430 310mm Chord High Downforce x W2100mm

R01SB0679 130mm Chord x W2100mm NEWD

kextra cost)

Part No.





AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBE
4	446	34.0	13.1	2.0
8	539	47.0	11.5	2.8
12	598	59.0	10.1	3.5
14	620	66.0	9.5	3.9
310mm CHORD LOW DRAG				



AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED
4	171	10.8	15.8	0.6
8	220	15.0	14.7	0.9
12	239	18.0	13.3	1.1
14	240	21.0	11.3	1.3
150mm CHORD				

110mm CHORD



AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED
4	403	29.0	11.5	1.7
8	518	41.0	8.9	2.4
12	613	58.0	7.6	3.5
16	678	77.0	6.5	4.6
310mm CHORD HIGH D/FORCE				



	20011111 0110112					
AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED		
4	219	16.0	13.7	1.0		
8	304	21.0	14.4	1.3		
12	331	25.0	13.3	1.5		
14	346	29.0	12.0	1.7		



JIOHIIII CHOKD HIGH D/I OKCL				
AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED
4	473	39.0	12.1	2.3
8	613	43.0	14.3	2.6
12	712	62.0	11.5	3.7
16	802	82 N	9.8	49



	225 + 110mm CHORD						
AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED			
15	1003	136.0	7.4	8.1			
19	1108	166.0	6.7	9.9			
23	1203	198.0	6.1	11.8			
25	1240	213.0	5.8	12.7			



225 + 150mm CHORD							
AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED			
17	1164	178.0	6.5	10.6			
21	1274	214.0	5.9	12.8			
25	1367	251.0	5.5	14.9			
27	1401	267.0	5.3	15.9			



23	12.10	213.0	5.0	12.7		
310 + 110mm CHORD						
AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED		
11.3	981.0	63.0	15.6	3.8		
12.5	1087.0	78.0	13.9	4.6		
13.6	1173.0	95.0	12.3	5.7		
14.8	1251.0	111.0	11.3	6.6		
15.3	1279.0	119.0	10.7	7.1		
15.9	1321.0	127.0	10.4	7.6		



	27	1401	267.0	5.3	15.9		
		310 + 150mm CHORD					
1	AoA	D/FORCE (N)	DRAG (N)	L/D	BHP ABSORBED		
	11.3	1125.0	137.0	8.2	8.2		
	12.7	1232.0	163.0	7.6	9.7		
	14.0	1281.0	185.0	6.9	11.0		
	15.4	1328.0	207.0	6.0	12.3		
	16.0	1369.0	216.0	6.3	12.9		
	16.7	1410.0	229.0	6.2	13.6		

» WINGS (FRONT/REAR) > FRONT WINGS

>> CLICK TO VIEW TECH DATA >> CLICK TO VIEW REAR WING FAQ

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FRONT WINGS

Our lightweight high-downforce Carbon Fibre front wings are designed by aerodynamics writer and designer Simon McBeath and can fit a range of different cars. Available in either 150, 225 or 310LDmm chord, our front wings can be adjustably mounted from above allowing you to fine tune the angle of attack.

Not supplied are wing mounts, only wing mount support tabs which we can pack loose for you to fit in the desired position or alternatively we can drill to the required mounting width. We can also trim the width of the wing to your application. Please contact us first before ordering.











4 R01SB0602 310mm HD/LD Endplates Pair 5 R01SB0326 150mm Support Tab LH RH R01SB0363 225mm Support Tab LH RH 6 R01SB0428 310mm LD Support Tab LH RH





» WINGS (FRONT/REAR) > SINGLE ELEMENT BOTTOM MOUNTED REAR WINGS

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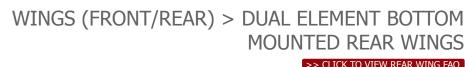
SINGLE ELEMENT BOTTOM MOUNTED





	440 00000
Part No.	110mm CHORD
R01SB0207	W1.8m Max. Straight Clam/Boot/Roof Mounted
R01SB0440	W2.1m Max. Straight Clam/Boot/Roof Mounted
R01SB0206	W1.8m Max. Curved Clam/Boot/Roof Mounted
	150mm CHORD
R01SB0201	W1.8m Max. Straight Clam/Boot/Roof Mounted
R01SB0437	W2.1m Max. Straight Clam/Boot/Roof Mounted
R01SB0200	W1.8m Max. Curved Clam/Boot/Roof Mounted
	225mm CHORD STRAIGHT
R01SB0358	W1.8m Max. Straight End Mounted, No Drop Mount Tabs
R01SB0163	W1.8m Max. Straight Clam/Boot/Roof Mounted
	225mm CHORD CURVED
R01SB0310	W1.24m Max. Drop-End Style Clam/Boot/Roof Mounted
R01SB0162	W1.8m Max. Clam/Boot/Roof Mounted
R01SB0357	W1.8m Max. End Mounted, No Drop Mount Tabs
	310mm CHORD HIGH DOWNFORCE
R01SB0430	W2.1m Max. Straight, No Drop Tabs
R01SB0429	W2.1m Max. Straight w/Drop Tabs & End Plates
	310mm CHORD LOW DRAG
R01SB0422	W2.1m Max. Straight No Drop Tabs
R01SB0421	W2.1m Max. Straight w/Drop Tabs & End Plates





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5 R01SB0641 Dual Element Wing Centre Tab Adjustment Mount Set

» WINGS (FRONT/REAR) > SINGLE ELEMENT TOP MOUNTED REAR WINGS

>> CLICK TO VIEW REAR WING FAO

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SINGLE ELEMENT TOP MOUNTED









Part No. SINGLE ELEMENT TOP MOUNTED WINGS

1 R01SB0522 225mm Chord x W1.8m Max. Straight

2 R01SB0523 225mm Chord x W1.8m Max. Curved

3 R01SB0530 225mm Chord x W1.24m Curved Drop-End Style

4 R01SB0529 310mm Chord H/Downforce x W2.1m Max. Straight R01SB0526 310mm Chord Low Drag x W2.1m Max. Straight

CNC ANODISED ALUMINIUM "SWAN" MOUNTS

5 R01SB0518 Standard Swan Mounts - Pair Black Anodised

6 R01SB0521 Standard Swan Mounts & Base - Pair Black anodised

R01SB0535 Long Swan Mounts - Pair Black Anodised

8 R01SB0541 Long Swan Mounts & Base - Pair Black Anodised

9 R01SB0536 Reverie Swan Mount Bottom Bracket Chassis Mount (Each)





Height of short mount: 338mm



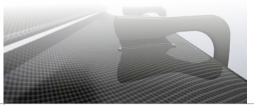
Height of short mount: 638mm



225mm wing kit with short swan mounts



For wing accessories, see page 14



» WINGS (FRONT/REAR) > DUAL ELEMENT TOP MOUNTED REAR WINGS

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ACCESSORIES

> REAR WINGS



A Gurney flap is small angled flap that fits on to the trailing edge tip of the pressure surface of a wing to increase down-force with a minimum penalty in drag. Our Gurney flaps can be trimmed to any length to fit your application and are available in a range of different sections and two different angles; 90° & 110°.



be created upon request. Scale dual element) can be downloaded allowing you to sketch your desired shape. Contact us for further details.

Part No. **GURNEY FLAPS**

R01SU0152 10 x 10 x 1800mm, 90deg - Curved R01SU0151 10 x 5 x 1800mm, 90deg - Curved R01SU0150 10 x 10 x 1800mm, 90deg - Straight R01SU0149 10 x 5 x 1800mm, 90deg - Straight R01SU0238 11 x 15 x 2100mm, 90deg - Straight R01SU0087 15 x 10 x 1240mm, 110deg - Straight R01SU0263 15 x 15 x 2100mm, 110deg - Straight R01SU0086 15 x 5 x 1240mm, 110deg - Straight

REAR WING LOWER DROP TAB BRACKETS

R01SB0554 for 110mm Chord Wing (Pair) R01SB0410 for 150mm Chord Wing (Pair) R01SB0169 for 225mm Chord Wing (Pair) R01SB0435 for 310mm HD Chord Wing (Pair) R01SB0427 for 310mm LD Chord Wing (Pair)

REAR WING UPPER DROP TAB BRACKETS

R01SB0326 for 110/150mm Chord Wing (Pair) R01SB0363 for 225mm Chord Wing (Pair) R01SB0428 for 310mm LD Chord Wing (Pair) **REAR WING END PLATES**

R01SB0257 225mm Chord Slotted End Plates - Pair

4 R01SB0182 225mm Chord Slotted End Plates - Pair (Palette Style)

5 R01SB0495 225mm Chord Angled End Plates - Pair

6 R01SB0231 225mm Chord Dual Element End Plates - Pair

7 R01SB0613 225mm Exige S3 380 V6 Style End Plates - Pair 8 R01SB0612 310LD Exige S3 380 V6 Style End Plates - Pair

9 R01SB0268 310mm Chord Wing End Plates - Pair

10 R01SB0445 310mm Chord Dual Element End Plates - Pair

REAR WING MOUNTS (UNIVERSAL)

11 R01SB0508 Universal Swept Wing Mounts Black - Each

12 R01SB0264 Universal Straight 12mm Support Mount Black - Each

13 R01SB0624 Wing Mount Angle Spacer (0 \sim +16 AoA) - Each









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Advanced search function available to show all parts that are compatible with your car.

AUTHORISED DEALER STAMP

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