

This sheet is for reference with the following product(s):

PART NO.	PART DESCRIPTION	MATERIAL	FINISH (DEFAULT)	FINISH (OPTIONAL)
R01SE0009	Naca Intake Duct, Single 58mm Exit, Carbon	Carbon Fibre	Polished	Lacquered
R01SE0178	Naca Intake Duct, Single 75mm Exit, Carbon	Carbon Fibre	Polished	Lacquered
R01SE0179	Naca Intake Duct, Single 100mm Exit, Carbon	Carbon Fibre	Polished	Lacquered
R01SE0008	Naca Intake Duct, Triple 58mm Exits, Carbon	Carbon Fibre	Polished	Lacquered

PRODUCT INFORMATION:

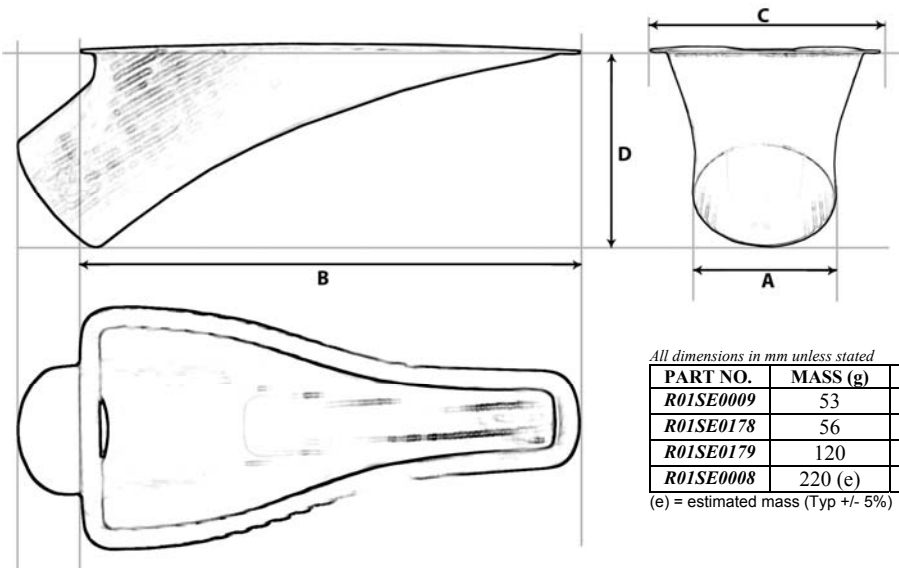
The purpose of the NACA duct is to increase the flow rate of air through it, while not disturbing the boundary layer. Naca ducts should be placed in boundary layer air (slower moving air that 'clings' to bodywork, where airflow is not being radically accelerated/decelerated). When the cross-sectional flow area of the duct is increased, the static pressure is decreased, allowing the duct to suck air in. Its clever profile does this without the drag effects of a plain scoop. The duct is narrow, then suddenly widens in a graceful arc, to increase the cross-sectional area slowly so that airflow does separate, causing unwanted turbulence (and drag).

NACA ducts are commonly sited when air needs to be drawn into an area which isn't exposed to direct air flow, for example along the sides of a car or upper surfaces of roof or bonnet.

SPECIFICATION:

- Autoclaved Pre-preg 2x2 twill composite construction
- Surface mounted with slightly crowned perimeter bond flange, for above or under skin fixing, in a bonnet or nose cone
- Max service Temp: 105°C, Max continuous Temp: 95°C

DIMENSIONS:



All dimensions in mm unless stated

PART NO.	MASS (g)	DIM A	DIM B	DIM C	DIM D
R01SE0009	53	58	190	112	105
R01SE0178	56	75	265	130	110
R01SE0179	120	100	360	175	145
R01SE0008	220 (e)	58 *3	260	220	110

(e) = estimated mass (Typ +/- 5%)

FITTING INSTRUCTIONS:

- 1) Mark out the internal perimeter of the duct hole in the nose or bonnet you are fitting it to.
- 2) Cut the marked section out with an air hacksaw, jigsaw or cut-off wheel.
- 3) Abrade 10mm around this, either under the skin or above the skin, depending upon whether you are mounting the duct above or below.
- 4) Abrade the corresponding surface on the duct and wipe faces with acetone.
- 5) Apply adhesive to the duct bond face. (Use either 3M DP490 epoxy adhesive or PU adhesive such as Sikaflex).
- 6) Clean off excess adhesive and tape duct hard in place. Allow 24 hours to dry before removing tape and cleaning up bond areas.

EXAMPLES OF USE:



2x 75mm Exit Naca Ducts (R01SE0178) fitted to Caterham SV nose cone.



340r Featuring reverie deep front spoiler (R01SB0051). The spoiler has then been modified underneath with Naca ducts as the image on the RHS shows to diffuse the air into the wheel wells, aiding front downforce by making the splitter work more effectively.



58mm (R01SE0009) & 75mm (R01SE0178) Exit Naca Ducts, angle trimmed on exit to remove snorkel & bonded under 340R Front Spoiler, Deep Version.

UV-PROTECTION:

Please Note Epoxy Pre-preg products are not UV stable. Parts that have been polished by ReVerie will then have been black waxed. This finish would be regularly lightly coated with armour all or 606 protectant which offer some UV protection.

Texallium products are particularly liable and can yellow in only 2 – 6 weeks. The epoxy resin will 'yellow' with prolonged exposure to UV radiation and material strength properties will slowly deteriorate. We recommend exterior products or those exposed to constant UV are either colour painted or at least Lacquered. We use predominately 2K car lacquers of medium solids, the DBS range has been found very suitable, although people have had equally good results with Urethanes varnishes and epoxy clear coats. The surface should be sanded so no gloss can be seen between warp and weft. The surface should be sanded with 180, 240 then 320 grit and a cleaning solvent used to remove grease or dirt prior to paint application. Several coats may be required (normally 3 to 4 light coats) to avoid pin-holing, common with painting composite products. Pin holes may be dubbed in carefully with a brush, then wet flatted for a final application of 3 thin coats. Let air dry only, you may stove the paint at 70°c once fully air dried. Please see our price list for the full list of lacquer charges.

DISCLAIMER:**WARNING, MOTORSPORT OR DRIVING CAN BE DANGEROUS RESULTING IN DEATH OR PERSONAL INJURY.**

READ OUR FITTING INSTRUCTIONS CAREFULLY

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