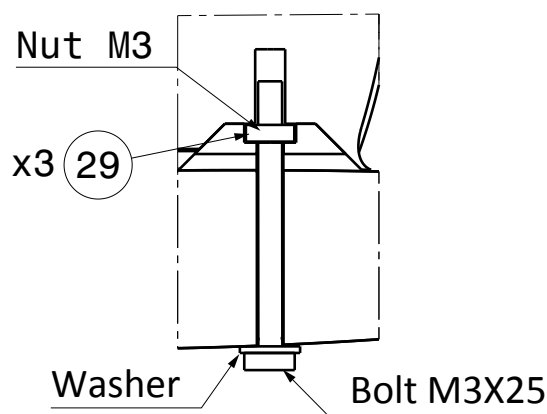
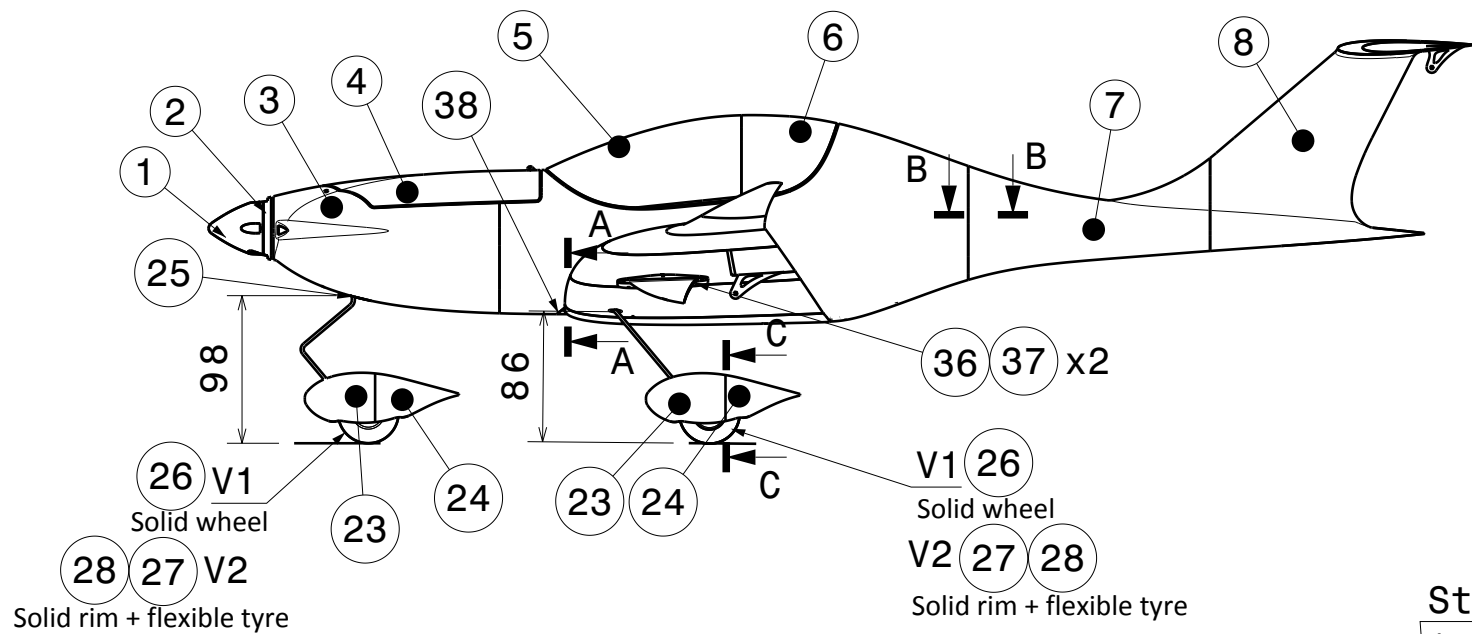
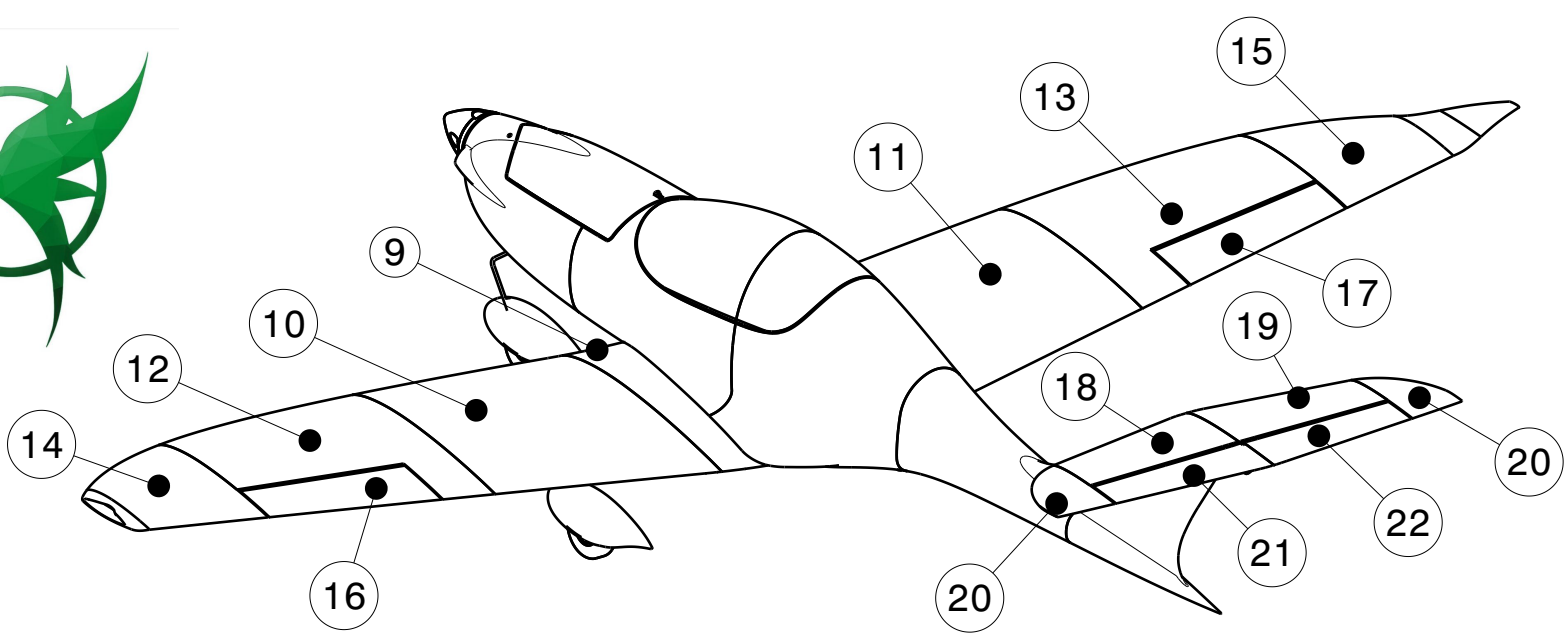
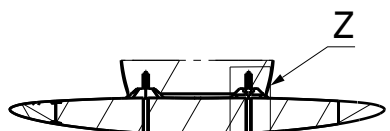


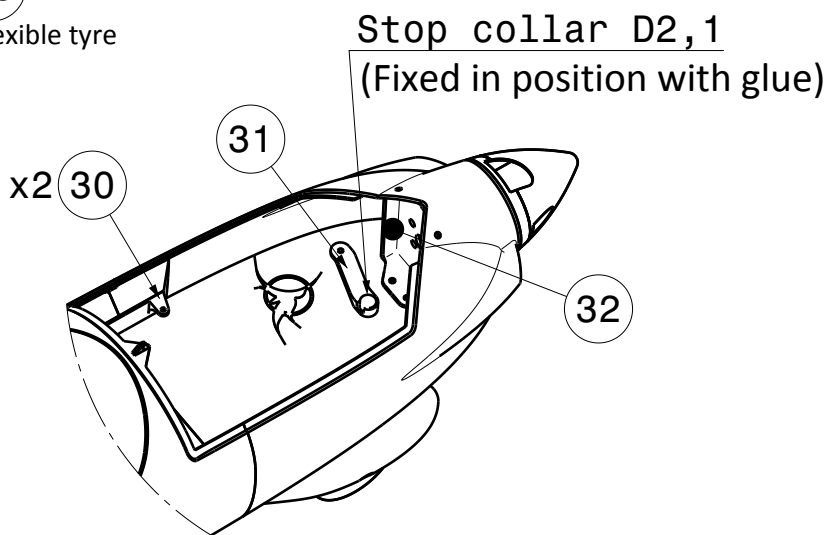


### Detail Z

(Typical detail for interface between fuselage and wing)

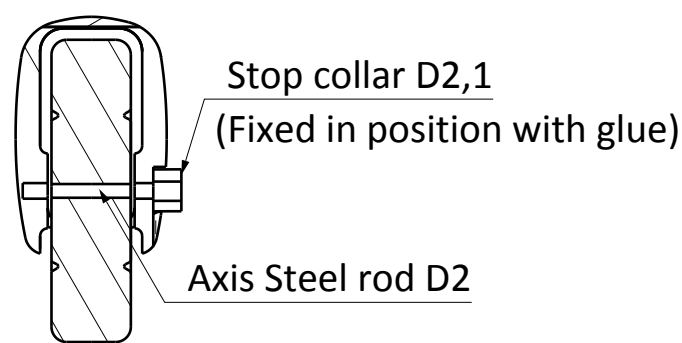


### Section A-A

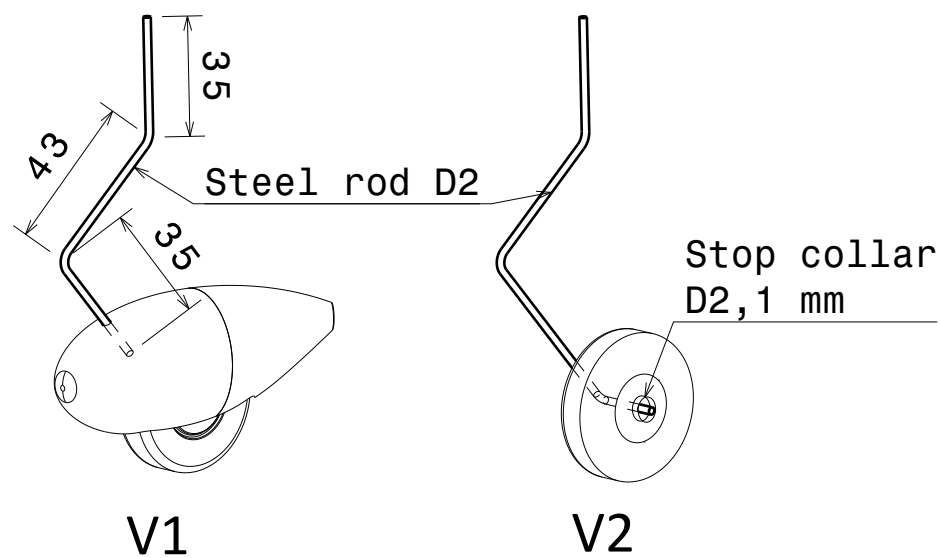


### Section B-B

(Concept valid also for join between WingC and Wing1R)

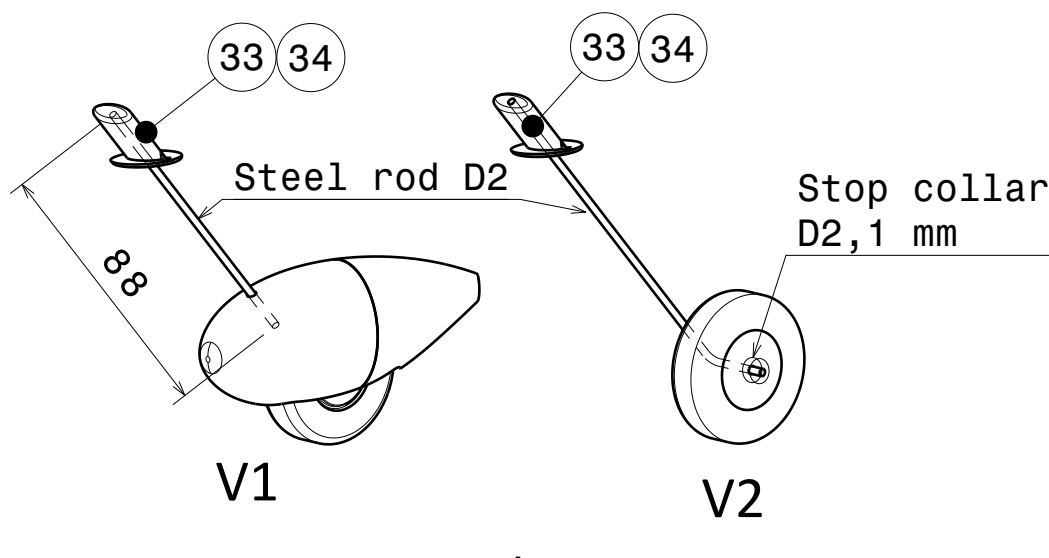


### Section D-D



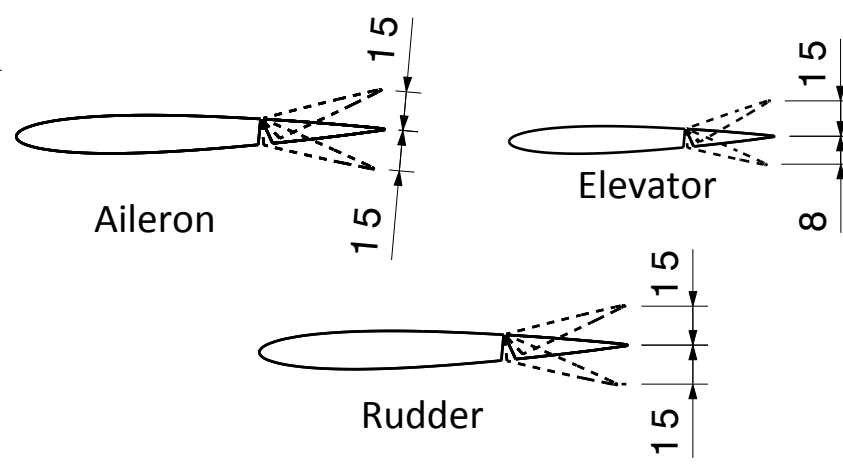
### Nose Landing Gear

For V2 the rod dimensions will vary with the wheel size chosen  
adjust the values to accomplish the distance to ground marked in the lateral view



### Main Landing Gear

For V2 the rod dimensions will vary with the wheel size chosen  
adjust the values to accomplish the distance to ground marked in the lateral view



Recommended throw

| ITEM | NAME               | CATEGORY |
|------|--------------------|----------|
| 1    | Spinner1           | C        |
| 2    | Spinner2           | C        |
| 3    | Fus1               | A / A-LW |
| 4    | Canopy             | A / A-LW |
| 5    | Fus2               | A / A-LW |
| 6    | Fus3               | A / A-LW |
| 7    | Fus4               | A / A-LW |
| 8    | Fus5               | A / A-LW |
| 9    | WingC              | A / A-LW |
| 10   | Wing1L             | A / A-LW |
| 11   | Wing1R             | A / A-LW |
| 12   | Wing2L             | A / A-LW |
| 13   | Wing2R             | A / A-LW |
| 14   | Wing3L             | A / A-LW |
| 15   | Wing3R             | A / A-LW |
| 16   | AileronL           | A / A-LW |
| 17   | AileronR           | A / A-LW |
| 18   | HTP_1L             | A / A-LW |
| 19   | HTP_1R             | A / A-LW |
| 20   | HTP_2              | A / A-LW |
| 21   | Elev_L             | A / A-LW |
| 22   | Elev_R             | A / A-LW |
| 23   | Wheel_fairing_1    | C        |
| 24   | Wheel_fairing_2    | A / A-LW |
| 25   | NLG_stopper        | C        |
| 26   | Wheel              | C / C-LW |
| 27   | Rim                | C / C-LW |
| 28   | Tyre               | C        |
| 29   | Anchor_nut_M3_wing | C        |
| 30   | Servo_holder_fus   | C        |
| 31   | NLG_horn           | C        |
| 32   | Motor mount        | C        |
| 33   | MLG_root_L         | C        |
| 34   | MLG_root_R         | C        |
| 35   | Guide              | C        |
| 36   | Servo_holder_Wing  | C        |
| 37   | Cover_horn         | C        |
| 38   | Root_LE            | C        |

- 11 Add 2 top layers
- 10 Add 8 bottom layers
- 9 Add 2 bottom layers (parts marked with this flag note)
- 8 Print "tyre" with flexible material.
- 7 If you can not use fan, ensure enough time between layers to cool down material.
- 6 If you can not heat the bed use Spray Adhesive
- 5 If your motor reach temperatures over 50 °C use ABS or PETG for "Motor\_mount"  
4-Center of gravity marking under the wing.  
It is recommended to set the C.G. 5 mm forward for the maiden flight  
3-Do not print LW-PLA parts at the same time with others to avoid stringing in the outer surface.  
2-Stringing can not be eliminated for LW-PLA material.  
1- Red parameters are mandatory to ensure airplane functionality, assembly or weight target.

| PRINTING PARAMETER                 | CATEGORY |              |          |                      |
|------------------------------------|----------|--------------|----------|----------------------|
|                                    | A-LW     | A            | C-LW     | C                    |
| Layer height (mm)                  | 0.25     | 0,2          | 0,15     | 0,13                 |
| Bottom layers                      | 0        | 0            | 4        | 4                    |
| Top layers                         | 0        | 0            | 6        | 6                    |
| Wall lines / perimeter             | 1        | 1            | 2        | 2                    |
| Nozzle diameter (mm)               | 0,4      | 0,4          | 0,4      | 0,4                  |
| Material                           | LW-PLA   | PLA/<br>PETG | LW-PLA   | PLA/PETG<br>FLEX/ABS |
| Infill density (%)                 | 0        | 0            | 10       | 10                   |
| Printing temp (°C)                 | 235      | 220          | 235      | 205 to 240           |
| Bed temp (°C)                      | 60       | 60           | 60       | 60                   |
| Flow (%)                           | 53       | 100          | 53       | 100                  |
| Retraction (mm)                    | 0,5 to 3 | 0,5 to 3     | 0,5 to 3 | 3                    |
| Retraction extra prime amount (mm) | 0 to 0,7 | 0 to 0,7     | 0        | 0                    |
| Speed (mm/s)                       | 55       | 50           | 35       | 25 to 50             |
| Fan                                | YES      | YES          | YES      | YES                  |
| Brim (mm)                          | 3 to 5   | 3 to 5       | 0 to 3   | 0 to 3               |
| Minimun layer time (s)             | 5        | 5            | 5        | 5                    |
| Support                            | NO       | NO           | NO       | NO                   |