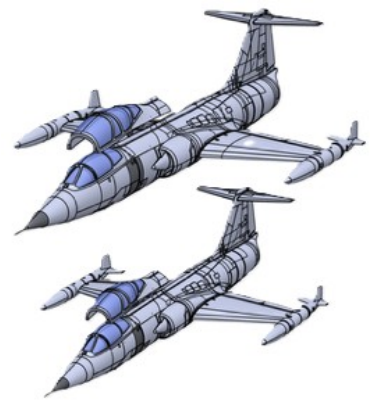


Projekt/ *Project*: F-104 Version: 1.0 (12.2025)



Projekteigentümer/*Project owner*: Joel Vlashof, Andreas Siek, Wim Aubroeck

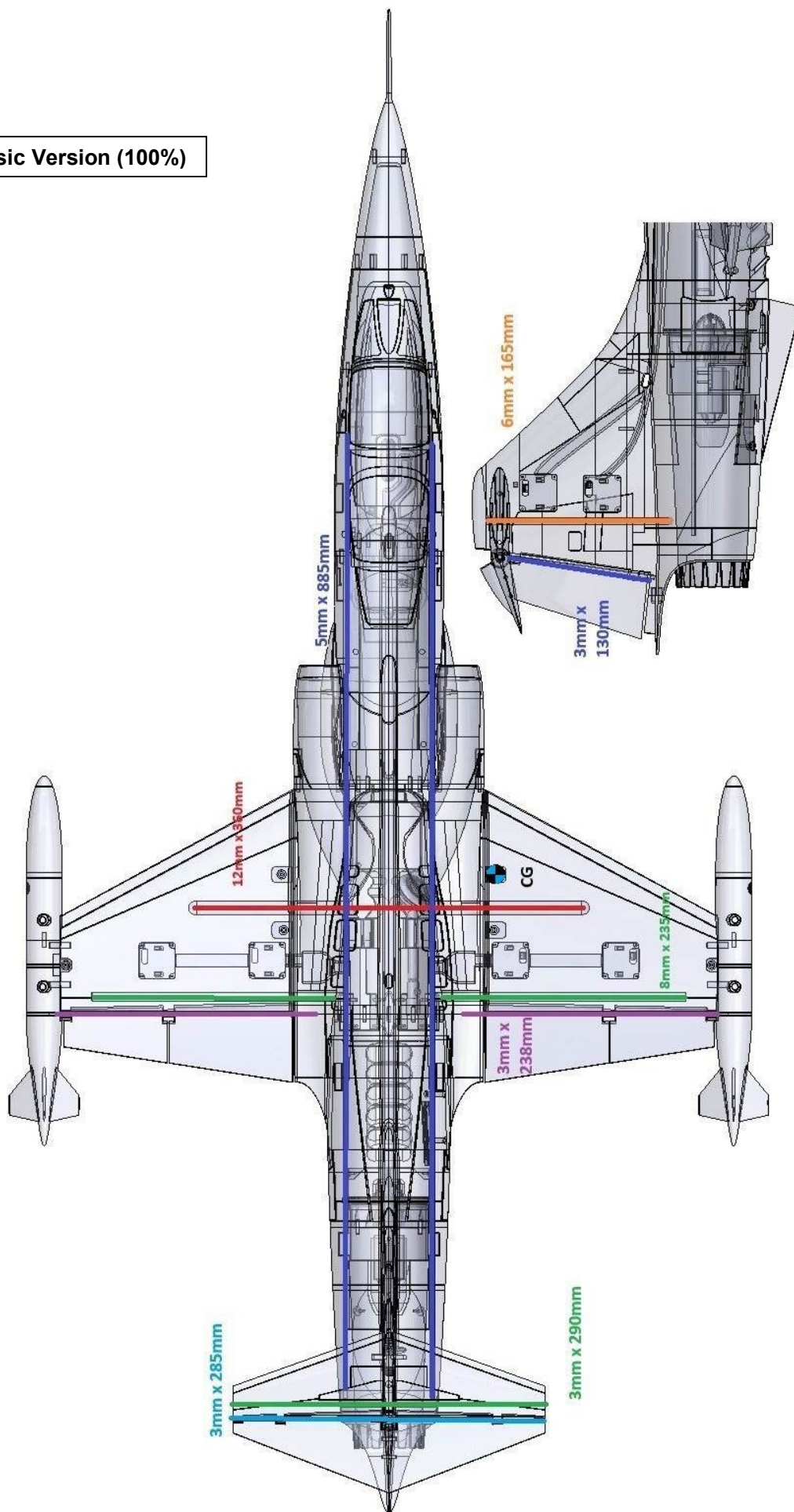
Veröffentlicher/ *Published by*: RC-Jetprint.de

Spezifikationen und Zubehör/ *Specifications and list of components*:

Basic Version (100%)

Spannweite/ <i>Wingspan</i> :	690 mm
Länge/ <i>Length</i> :	1.380 mm
Flächenbelastung/ <i>Wing load</i> :	Area: 8.70 dm ² ; Load: 224.1 g/dm ²
Luft-Geschwindigkeiten/ <i>Air speeds</i> :	65-160km/h
Haupt-EDF/ <i>Main-EDF</i> :	JP 70 mm – 6S - 2250Kv (CCW rotation) >Affiliate Link<
Hauptluftführung/ <i>Main ducting</i> :	closed Ducting
MAX Gewicht/ <i>Weight</i> :	App. 1.950 gr
Stand Schub / <i>Horizontal thrust</i> :	2.400 gr @ 5S
Vertikaler Stand Schub/ <i>Vertical thrust</i> :	n.a.
Haupt-Lipo/ <i>Main-Lipo</i> :	5S, 30C 4.000 mAh
Haupt Regler/ <i>Main ESC</i> :	1x 120A 12S
Spannungsversorgung/ <i>BEC</i> :	10A
Seitenruder Servo/ <i>Rudder servo</i> :	1 x CHAservo DS06
Querruder Servo/ <i>Ailerons servo</i> :	2 x CHAservo DS06
Höhenruder Servo/ <i>Elevator servo</i> :	2 x CHAservo DS06
Vorflächen Servo/ <i>Flaps servo</i> :	2 x CHAservo DS06
Empfänger/ <i>Receiver</i> :	Min. 8 Channel
Vektorsteuerung/ <i>Thrust vectoring</i> :	n.a.
Vektordrehung/ <i>Vecor turning servo</i> :	n.a.
EZF Bug/ <i>Front gear retract</i> :	JP Hobby ER-005 5mm Alloy Electric 3 Retracts Set >Affiliate Link<
Lenkung Bugservo/ <i>Front gear servo</i> :	1 x CHAservo DS06
EZF Haupt/ <i>Main gear retract</i> :	JP Hobby ER-005 5mm Alloy Electric 3 Retracts Set >Affiliate Link<
EZF Fläche/ <i>Wing gear retarct</i> :	n.a.
Vorderer Impeller/ <i>Front EDF</i> :	n.a.
Flächenimpeller/ <i>Wing EDF</i> :	n.a.
Flächen Regler/ <i>Wing ESC</i>	n.a.
Stabi-Lipo/ <i>Leveling-Lipo</i> :	n.a.
Stabi-System/ <i>Leveling system</i> :	n.a.
Flugstabilisierung/ <i>Flight Controller</i> :	Recommended
Telemetrie/ <i>Telemetry</i> :	Capacity, Voltage, Air speed, etc. (user dependant)

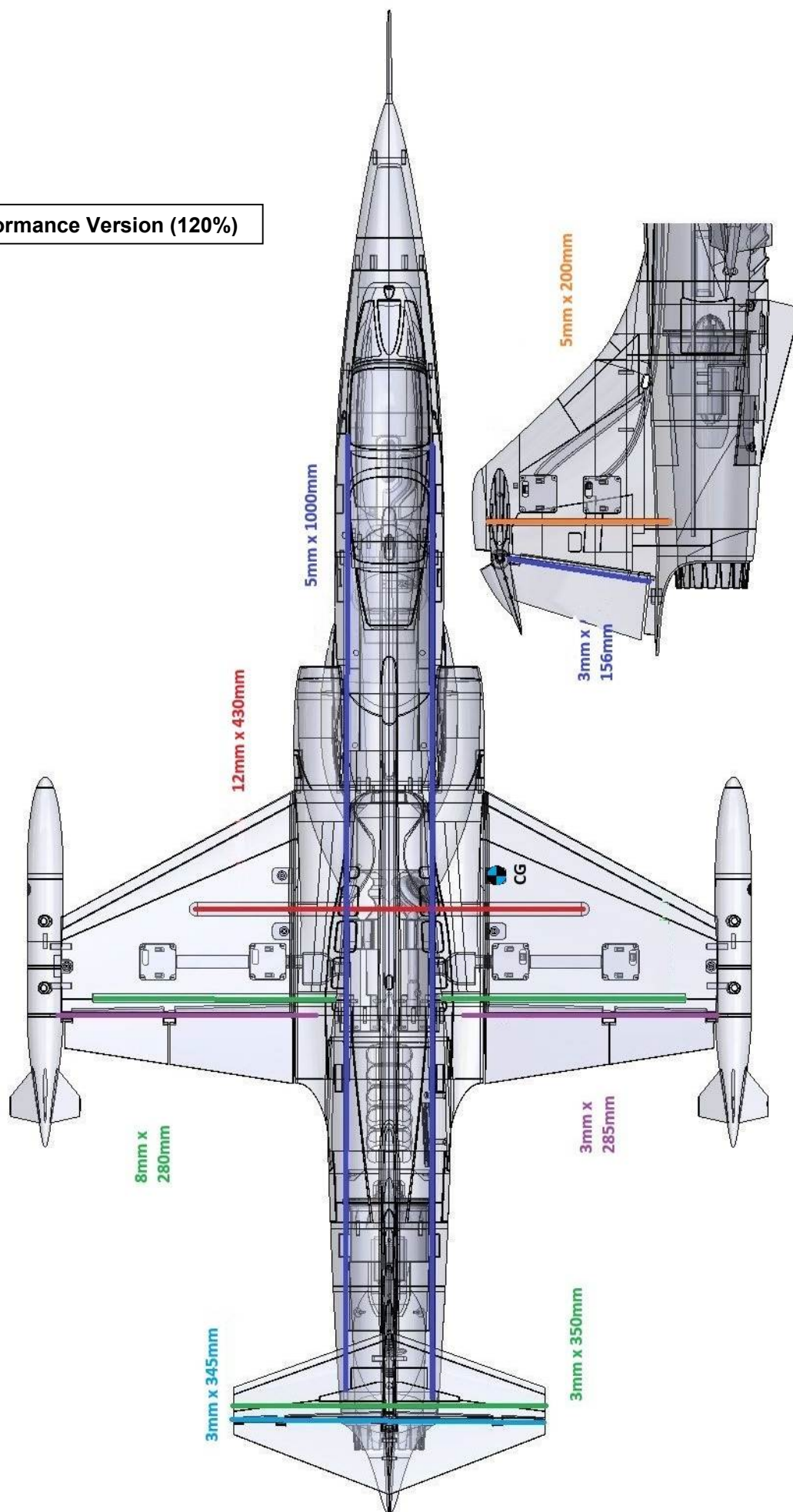
Basic Version (100%)



Performance Version (120%)

Spannweite/ Wingspan:	740 mm
Länge/ Length:	1.600mm
Flächenbelastung/ Wing load:	Area: 12,00 dm ² ; Load: 189 g/dm ²
Luft-Geschwindigkeiten/ Air speeds:	55-180km/h
Haupt-EDF/ Main-EDF:	JP 70 mm – 6S - 2250Kv (CCW rotation) >Affiliate Link<
Hauptluftführung/ Main ducting:	closed Ducting
MAX Gewicht/ Weight:	App. 2.600 gr
Stand Schub / Horizontal thrust:	2.800 gr @ 6S
Vertikaler Stand Schub/ Vertical thrust:	n.a
Haupt-Lipo/ Main-Lipo:	6S, 30C 4.000 mAh
Haupt Regler/ Main ESC:	1x 120A 12S
Spannungsversorgung/ BEC:	10A
Seitenruder Servo/ Rudder servo:	1 x CHAservo DS06
Querruder Servo/ Ailerons servo:	2 x CHAservo DS06
Höhenruder Servo/ Elevator servo:	2 x CHAservo DS06
Vorflächen Servo/ Flaps servo:	2 x CHAservo DS06
Empfänger/ Receiver:	Min. 8 Channel
Vektorsteuerung/ Thrust vectoring:	n.a
Vektordrehung/ Vecor turning servo:	n.a
EZF Bug/ Front gear retract:	JP Hobby ER-005 5mm Alloy Electric 3 Retracts Set >Affiliate Link<
Lenkung Bugservo/ Front gear servo:	1 x CHAservo DS06
EZF Haupt/ Main gear retract:	JP Hobby ER-005 5mm Alloy Electric 3 Retracts Set >Affiliate Link<
EZF Fläche/ Wing gear retracts:	n.a
Vorderer Impeller/ Front EDF:	na
Flächenimpeller/ Wing EDF:	n.a
Flächen Regler/ Wing ESC	n.a
Stabi-Lipo/ Leveling-Lipo:	n.a
Stabi-System/ Leveling system:	n.a
Flugstabilisierung/ Flight Controller:	Recommended
Telemetrie/ Telemetry:	Capacity, Voltage, Air speed, etc. (user dependant)

Performance Version (120%)



Hinweise:

Die hier gelisteten Komponenten sind Empfehlungen des Projekteigentümers, die ausgesucht und getestet wurden, um ein optimiertes Schub-Gewichtsverhältnis darzustellen, bei gleichzeitiger verlässlicher Funktionalität der Komponenten. **Die Druckdateien sind auf diese Komponenten ausgelegt!**

Notes:

The components listed are the project owners recommendations that have been selected and tested to provide an optimized thrust-to-weight ratio while maintaining reliable component functionality. **The print files are designed for these components!**

Teile Liste/ Part List		
Part	Amount	Recommendations/ Links
Materials		
LW-ASA	2.000 gr.	ColorFabb
PLA-CF	250 gr.	ColorFabb
3D Lac Plus	1	
Super Glue	150 gr.	
Super Glue Accelerator	1 bottle	
Sand Paper 120 grid	5 sheets	
Fork heads plastic M2	20 pc.	Linkages
Ball joints M2	20 pc.	Linkages
M2 threaded rod	1 m	Linkages
12x1mm Carbon Tube	500 mm	1x
8x1mm Carbon Tube	500 mm	1x
5x1mm Carbon Tube	1000 mm	3x
3x1 mm Carbon Rod	1000 mm	2x
Nylon screws and nuts M3	M3x20	12x for retracts
Stainless steel screws M2/ M3	20 pc.	Fastenings
Magnets round 5x5 mm	8 pc.	Canopy
Wheels 55mm diameter (foam)	2x	Main wheels
Wheel 40 mm diameter (foam)	1x	Front wheel
Several servo extension cables	6 - 10 pc.	User dependant
Several servo Y-cables	6– 10 pc.	User dependant

Additional Information:

*An actual **RC-Jetprint LWASA-profile** for the Bambulab X1C printer will be part of the downloadable file-set! This profile is tested on ColorFabb LWASA only, because the Basic Version (100%) must stay under 2,0 Kg and the Performance Version under 2,6 Kg. More wingload means higher stall speeds!*

The file names within the complete STL-file set are organized and to read as follows:

“Part name” – “Material to print” – “Recommended infill density” – “Recommended wall loops”

Example: *“Fuse section part 2-LWASA 5-1”*

*Material for this part to use is: **LWASA***

*Recommended infill density is: **5%***

*Recommended wall loops is: **1***