



# G-FORCE FLIGHT AEROBATIC TRAINER.



## TRAINING CENTER

The G-Force Flight in the Aerobatic Slingsby T-67M 200 'Firefly' is specifically designated for XCOR. Together with our partner APS Europe, we have fine-tuned a 45 minutes aerobatic flight by which you will learn to master the positive and negative G forces. This is a great step up in preparation for your spaceflight in XCOR Lynx spacecraft.

The Slingsby T-67M 200 'Firefly' is a high performance trainer aircraft. It is powered by a 200 Hp. Engine and seats two in a side by side configuration. This means that you will be seating right next to your professional Instructor Pilot. All instructors have extensive

professional experience in military and general aviation, aerobatic maneuvering, instruction, technologically advanced aircraft and commercial flight operations. This ensures the highest level of quality in the cockpit.. The Slingsby is a fully certified aerobatic aircraft (+6/-3G) and ideally suited for G-force training in anticipation for the spaceflight in the XCOR Lynx mark II.

The training session will cover half a day. The Instructor will start with a briefing in which he introduces the cockpit of the Slingsby T-67M 200. He explains the various aircraft controls and teaches the planned

maneuvers. Furthermore the instructor-pilot will give you some insight in aerodynamics directly related to the maneuvers performed during your flight, also applicable on your space flight in the Lynx. With that in mind the pilot explains to you the complete profile that will be flown and which consists of the following items:

- Start up and taxi
- Take off and climbing departure to the training area
- Level off at a suitable altitude to perform safe maneuvering
- Familiarization with the aircraft by practicing turns, climbs etc.
- Introducing 0-G flight for 10 seconds (performed twice)
- Aerobatic maneuvering to get acquainted with G-loads.
- Sustained 4-G maneuver for 20 seconds in descending turn
- When time permits any requests
- Recovery and arrival at Seppe airport

Because of the demanding nature of the flight with different levels of gravity and maneuvers of the aircraft you will be briefed on how to deal with both weightlessness and positive G-loads, up to 4G's. Last but not least the safety procedures are addressed in order to ensure that all required levels of safety are maintained.

After the briefing you will be handed over to our host

who will guide you to the Slingsby T-67M200. He will assist you putting on the safety parachute and re-brief the safety issues with you. Meanwhile our professional pilot is prepared to give you a lifetime experience. The In-flight G-force training will take 45 minutes. In the flight profile there is a parabola maneuver foreseen where you will experience different levels of gravity. Once the aircraft starts "bunting over" the top of the parabola you will have 0 G's for 10 seconds. The other demanding exercise will be the +4-G maneuver, which will be sustained for 20 seconds during a descending turn.

After landing an award ceremony will take place in which we will hand your certificate and we will celebrate together this unique achievement.

*Of course we will take care of shooting great pictures and film of this event, so you can look back on it after the event and show your friends and family.*

#### SLINGSBY T-67M 200 FIREFLY FACTS

AIRCRAFT LENGTH:	7.32 m
AIRCRAFT HEIGHT:	2.36 m
WING SPAN:	10.6 m
MAX. STRUCTURAL LIMIT:	+6G; -3G

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