

SW-4 'SOLO' RUAS ROTARY UNMANNED AIR SYSTEM (RUAS) / OPTIONALLY PILOTED HELICOPTER (OPH)

The latest Rotary Unmanned Air System (RUAS) developed by Leonardo Helicopters engineering teams at PZL-Swidnik, Poland and Cascina Costa, Italy is based on the proven SW-4 light single engine helicopter. The SW-4 'Solo' RUAS is the result of extensive cooperation within Leonardo Helicopters and benefits from the Company's continuing investment in innovation and technology development.

The SW-4 'Solo' RUAS has been designed as an Optionally Piloted Helicopter (OPH) providing users with maximum operational flexibility. Conversion from RUAS to OPH and vice versa can be achieved in less than 1 hr in flight line.

The RUAS version of the SW-4 is capable of performing a number of roles, including intelligence, surveillance and reconnaissance and cargo re-supply. When piloted, the SW-4 'Solo' can undertake manned activities including transportation of personnel, surveillance and intervention.

The SW-4 is EASA certified and ensures safe operations when operating in the manned and unmanned modes.

AgustaWestland SW-4 'Solo' RUAS



SW-4 'Solo' RUAS – MAIN CHARACTERISTICS

- Manned flight operations with pilot
- Automatic mission execution and management with full control from Ground Control Station
- Automatic flight control, including engine start-up/shut-down, auto-takeoff/landing and Autorotation
- High integrity design
- Automatic recovery procedures in case of lost link with the GCS
- Onboard interface for optionally manned mission management
- Dedicated data links for payload and mission control
- Mission payloads:
 - Radar
 - Situational Awareness
 - EO/IR
 - Customer specified (e.g. EW, ELINT, SIGINT)
- Large cabin with unobstructed sliding doors and flat floor
- Large baggage compartment
- Crashworthy design





SW-4 'Solo' RUAS/OPH CAPABILITIES

SW-4 'Solo' RUAS

- Maritime and Battlefield Intelligence, Surveillance Target Acquisition and Reconnaissance
- Coastline and Border Monitoring
- Homeland Security / Law Enforcement
- Broad Area Surveillance
- Spot Surveillance
- Environmental Monitoring
- Ground Survey and Mapping
- Pattern of Life Assessments
- Disaster / Battle Damage Assessment
- Logistics and Cargo Supply

SW-4 'Solo' OPH

- As above, plus:
- Manned Intervention
- Passenger Transport
- Training
- Surveillance

SW-4 'Solo' RUAS MAIN DATA

Basic Performances

MTOW	1800 kg
Max Endurance	6 hrs
Max Range	940 km
Max Payload	470 kg

Main Dimension

Main Rotor Diameter	9000 mm
Length	9068 mm
Height	3139 mm
Width	2280 mm



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