





Meccanotecnica Umbra a Story of Excellence

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Meccanotecnica Umbra

a Story of Excellence



Customised Aerospace Performance

The aerospace industry demands sealing solutions that are unique in their kind, capable of meeting high standards in terms of performance.

As critical components of the aircraft, mechanical seals must withstand the most extreme conditions imaginable: high rotational speeds, extreme operating temperatures, as well as variable ranges of working pressures as the aircraft travels at different altitudes.

Meccanotecnica Umbra provides absolutely customized sealing solutions based on design data.









HGB series

Speed 100 m/s max Delta Pressure: 130 kPa Temp. 523°K max

GearBox

helicopters, transmitting power from the the aircraft when the main engines are not engine to the rotating blades. Meccano- operational, ensuring the safety and comtecnica Umbra, at its Competence Center fort of passengers and crew. They reduce in Campello sul Clitunno, designs and man-fuel consumption and emissions during engine until it can run independently. ufactures sealing systems for this specific ground operations, ensuring the efficiency application, employing the latest technolo- and proper functioning of the aircraft. gies such as surface texturing.

Auxiliary Power Units

Gearboxes are critical components of (APU) are systems that provide power to

Air Turbine Starter

(ATS) systems are used to start aircraft turbine engines. Despite their small size and lightweight, ATS systems can generate a considerable amount of torque to start the



SRS series Segmented Radial Seal for APU Speed 70.000 rpm max Delta Pressure: 130 Kpa Temp. 523°K max



AGB series **Mechanical Face Seal for GearBox** Speed 150m/s max Delta Pressure: 130 kPa Temp. 523°K max

Mechanical Face Seal for GearBox



