



# TR 60-30

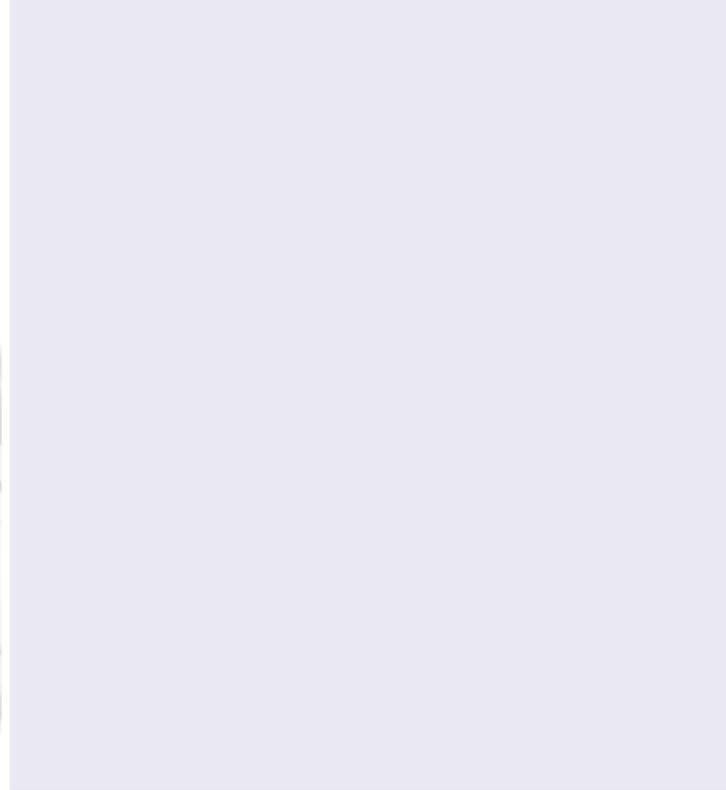
## TURBOJET ENGINE

The TR 60-30 jet engine has been developed to power the «Apache» and «Storm Shadow/Scalp EG» weapon systems used by the French Air Force and several foreign air forces.

Based on the experience that Microturbo has acquired on the TR 60 family, the TR 60-30 has the highest thrust-diameter-weight ratios in this category of turbojet engine.

Its reliability and operational performance were demonstrated in action during many conflicts.

More than 2,300 TR 60-30 engines have already been manufactured.



**Operating envelope**

<b>Flight:</b>	Altitude:	0 to 32,370 ft
	Speed:	< Mach 0,95
<b>Windmill start:</b>	Altitude:	0 to 24,610 ft
	Speed:	Mach 0,7 to 0,9

**Performance**

<b>Maximum thrust:</b>	550 daN
<b>Specific fuel consumption:</b>	< 2,31 lbs/daN/h
<b>Electrical power:</b>	1,8 kW

**Dimensions and weight**

<b>Length (excluding jetpipe):</b>	34 in
<b>Maximum diameter:</b>	13,6 in
<b>Dry weight (depending on applications):</b>	143 lbs

**Applications**

Scalp EG, Storm Shadow et Black Shaheen (MBDA)

**Contact**

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Microturbo (Safran) specializes in the design and production of high-technology power systems and propulsion systems. State-of-the-art and reliable power solutions offered include the large proven range in Microturbo gas turbines, but also innovations resulting of an important R&D investment and strategic partnerships. Microturbo is a world leader in the field of power systems and propulsion systems and has delivered over 13,000 units.

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