

Tactical Solid Rocket Motors

With over six decades of proven performance and more than 1 million tactical solid rocket motors delivered, Northrop Grumman is a trusted provider of reliable and innovative propulsion for the warfighter. Since 2018, we have delivered more than 110,000 tactical rocket motors – and nearly 20,000 in the last year alone.

Case

The “body” of the motor that serves as a pressure vessel for combustion

Thermal Protection

Internal/external insulation to protect the case from hot gases during motor operation

Propellant Grain

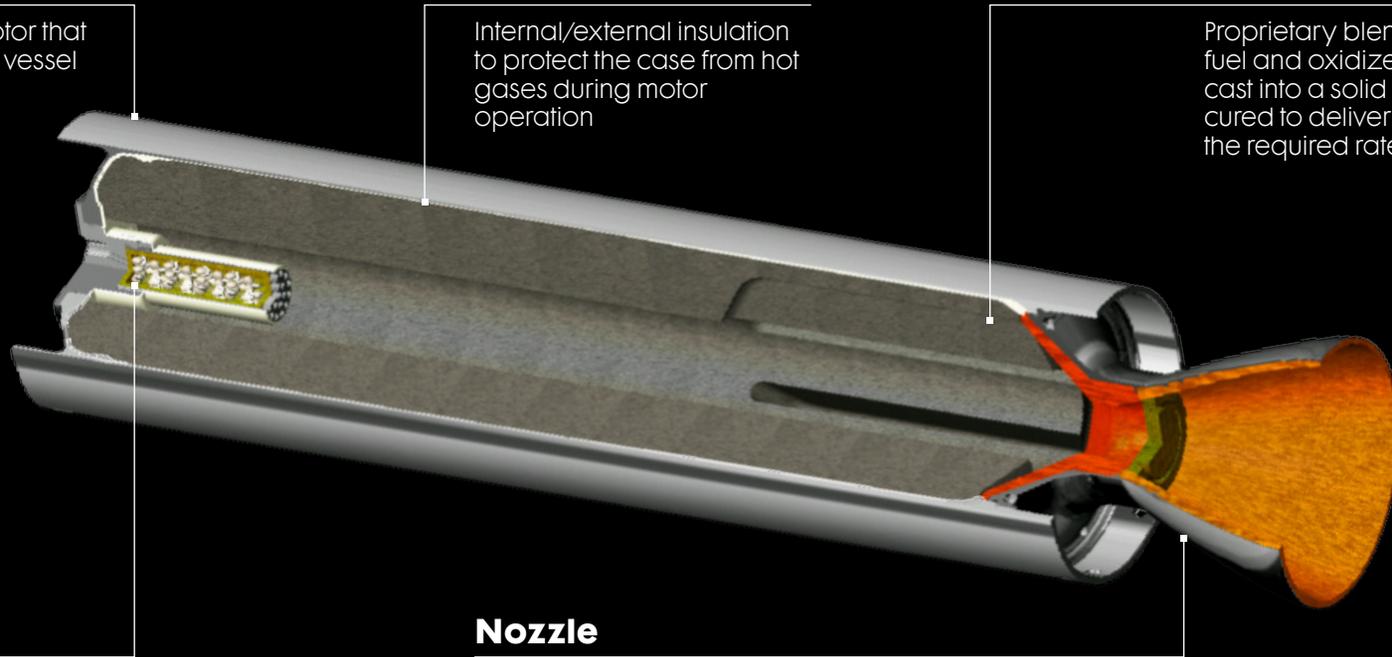
Proprietary blend of solid fuel and oxidizer that is cast into a solid shape and cured to deliver energy at the required rate

Igniter

An Ignition Safety Device (ISD) is used to send a signal to the igniter, which ignites the solid propellant grain

Nozzle

Provides for controlled expansion and acceleration of combustion gas, generating thrust for propulsion



PROPULSION TO DETER, DEFEND, AND DEFEAT