

Motor Behavior Complex (Area 1-36)



Description: Pad 1-36A is a bermed, horizontal position stand rated for thrusts up to 4,000,000 pounds, typically used for thrust determination, structural integrity, and destruct system evaluation. The pad is 260 feet long by 55 feet wide with floor thickness ranging from 3 to 20 feet. Pad 1-36B is a vertical nozzle up facility rated for thrusts up to 4,000,000 pounds.

The facility consists of

two 30 foot by 95 foot high towers resting on a 12 foot thick concrete pad. The towers are designed for six component thrust measurement of 156 inch diameter motors.

Pad 1-36D is a 150 foot diameter decomposed granite pad designed to support a 120 inch diameter solid rocket propellant motor with up to 1,000,000 pounds of TNT equivalent propellant.

Purpose:

Full scale research on solid rocket motors. Remote testing includes risky high temperature firings, destruction or intentional detonation of solid rocket motors. Development of hazardous classification, quantity distance, and compatibility standards for newly developed propellants.

Products:

Static Test Firing and Evaluation of Large Solid Propellant Motors and Their Associated Systems.

Availability:

U.S. Government agency use, DoD contractors and dual use/defense conversion use-limited on an as available basis.

Contact POC for additional information.