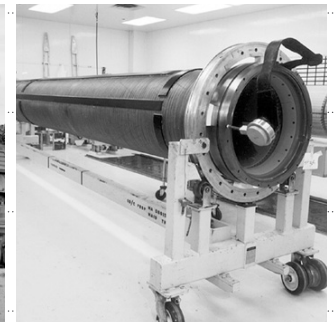




COMPOSITE ROCKET AND MISSILE LAUNCH TUBES

Launch Tube Heritage	Dimensions (in.) Diameter x Length	Description/End Use
ADATS	9.185 x 84.7	Fiberglass launch tube incorporating vapor/EMI protection and hollow internal rails. Vehicle-mounted, air defense, anti-tank missile system.
CATFAE	12.770 x 68.938	Fiberglass launch tube with dome end. Used for catapult-launched fuel air explosives.
Dragon	5 x 34	Fiberglass launch tube. Surface-to-surface, one-man portable, medium range anti-tank missile system.
FOG-M	11.0 x 9.7 (rectangular) x 86.0	Kevlar®/epoxy launch/storage canister incorporating EMI/vapor barrier. Medium-range fiber optic guided missile.
Javelin	5.67/6.2 x 42.9	Carbon/epoxy launch tube with machined build-ups. Surface-to-surface, man-portable, "fire and forget" anti-armor missile.
MLRS	12.2 x 157	Fiberglass launch tube with integrally wound rails. Vehicle-mounted, multiple launch rocket system.
RAM	7 x 115	Fiberglass launch tube with 7.9" helix molding compound rails. Surface-launch rolling airframe missile.
Redeye	2.78 x 54	Fiberglass launch tube. One-man portable, shoulder-fired anti-aircraft missile.
SADARM	12.2 x 157	Fiberglass launch tube with integrally wound rails. Derivative of FLRS launch tube.
Stinger	2.78 x 58.3	Kevlar® launch tube. One-man portable, shoulder-fired anti-aircraft missile.
STLS	2.78 x 58.3	Kevlar® launch tube for Stinger trainer.
CCLS TOMAHAWK	24.8 x 285	Graphite launch tube with fiberglass protective skin with wound-in metal rings. Sea-launched Tomahawk cruise missile.
TOW	6 x 48	Fiberglass launcher/container with electrical harness and connector. Tube launched, optically tracked, wire-gided missile system.
Viper	2.756 Inner 3.145 Outer 27 Collapsed 44.5 Extended	Two-piece fiberglass launch tube with integrally molded external features. Shoulder-fired, short range, anti-tank weapon.
VT-1	9.555 x 94.28	Graphite and fiberglass launch tube for surface to air missile.
SMAW-CS	3.26 x 38.8	Graphite and fiberglass launch tube for assault weapon.
LOSAT	7.7 x 114.5	Graphite tube with conductive features and internal helical rails.



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