

## Charts and Tables on U.S. and Russian Nuclear Missiles

Warhead	Yield	Type	Fuzing	# Made	Service	Weight	Size
Mk-1	15-16 Kt		A	5	Service	8,900lb	28" x 120"
Mk-3	18-49 Kt		A	120	Service	10,300lb	60" x 128"
Mk-4	1-32 Kt		A	550	Service	10,800-10,900lb	60" x 128"
Mk-5	6-120 Kt		A or C	140	Service	3,025-3,125lb	43.75" x 129" or 132"
Mk-6	8-160 Kt		A or C	1100	Service	7,600-8,500lb	61" x 128"
Mk-7	8-61 Kt		A or C	1700-1800	7/52 - 2/63. 1967	1,645-1,700lb	61" x 128"
Mk-8	25-30 Kt		F	40	11/51 - 5/53. 6/57	3,230-3,280lb	14.5" x 116" or 132"
Mk-11	25-30 Kt		F	40	1956 - 1957. 1960	3,210-3,500lb	14" x 147"
Mk-12	12-14 kT		T or C	250	12/54 - 2/57. 7/58	1,000-1,200lb	22" x 155"
Mk-14	5-7 Mt		A	5	Recycled into Mk-17s by 9/56	28,954-31,000lb	61.4" x 222" or 223.5"
Mk-15	1.6-3.9 Mt		A	1500	Service	7,600lb	34.4" x 140"
Mk-16	6-8 MT		A	5	Stockpiled 1-3/54	39,000-42,000lb	61.4" x 296.7"
Mk-17	10-15 MT		A or C	200	7/54 - 11/55. 11/56	41,400-42,000lb	61.4" x 296.7"
Mk-18	500 kT		A or C	90	3/53 - 2/55. 1956	8,600lb	60" x 128"
Mk-21	4-5 MT		A/C/L	275	12/55 - 7/56. Second half of 1957	15,000-17,700lb	58" x 150"
Mk-24	10-15 MT		A or C	105	7/54 - 11/55. 1956	41,400-42,000lb	61.4" x 296.7"
Mk-28	70 Kt - 1.1 Mt		A or C	4500	Service	1,700-2,320lb	22" x 170"
Mk-36	9-10 MT		A/C/R	940	Service	17,500-17,700lb	58" x 150"
Mk-39	3-4 MT		A/C/RL	700	Service	6,650-6,750lb	35" x 140"
Mk-41	25 MT		RA/C/L	500	Service	10,500-10,670lb	52" x 148"
Mk-43	70 Kt - 1 Mt		RA/C/L	1000	Service	2,060-2,125lb	18" x 150" or 164"
Mk-53	9 MT		RA/C/L	350	Service	8,850-8,900lb	50" x 150"
Mk-57	5-20 Kt		RA/C/L	3100	Service	490-510lb	14.75" x 118"
Mk-61	80-340 Kt		RA/C/L	3150	Service	695-716lb	13.3" x 141"
Mk-83	Low Kt to 1.2 Mt		RA/CL	650	Service	2,400lb	18" x 145"

A = Airburst | C = Contact | CL = Contact Laydown | F = Pyrotechnic Delay | L = Laydown | R = Retarded | RA = Retarded Airburst | RL = Retarded Laydown | T = Timer

SS-1 Scud B 1 L 50-112 mi. 930-1500 m. 1 40-kT / 100-kT 40-kT / 100-kT 6370 kg. 11.4 m. 0.84 m.  
 SS-4 Sandal 1 L 1250 mi. 2400 m. 1 1-MT 1-MT 27215 kg. 20.7 m. 1.6 m.  
 SS-5 Slean 2 L 2175 mi. 1 1-MT 1-MT 60000 kg. 25 m. 2.44 m.

## Russian ICBMs

Missile	Stages	Range	CEP	RV	Yield	Throw Weight	Weight	Length	Dia.
SS-6 Sapwood	2 L			1	3-5-MT	3-5-MT	295000 kg.	30.5 m.	2.95 m.
SS-7 Saddler	2 L			1	20-MT	20-MT	102000 kg.	31.8 m.	2.8 m.
SS-8 Sasin	2 L			1	20-MT	20-MT	102000 kg.	31.8 m.	2.8 m.
SS-9 Scarp	2 L			1/3	25-MT / -kT	25-MT / -kT	190000 kg.	36 m.	3.1 m.
SS-10 Scrag	2 L			1/3	25-MT / -kT	25-MT / -kT	190000 kg.	36 m.	3.1 m.
SS-11 Segoe	2 L			1/3	1-MT / 250-kT	1-MT / 250-kT	41410 kg.	20.0 m.	2.0 m.
SS-12 Scaleboard	2 L			1/3	1-MT / 250-kT	Throw Weight	41410 kg.	20.0 m.	2.0 m.
SS-13 Savage	3 S			1	750-kT	Throw Weight	35000 kg.	20 m.	1.7 m.
SS-14 Scamp	3 S			1	600-kT	Throw Weight	34090 kg.	20.5 m.	1.8 m.
SS-15 Scrooge	3 S			1	600-kT	600-kT	34090 kg.	20.5 m.	1.8 m.
SS-16 Sinner	3 S			1	600-kT	600-kT	34090 kg.	20.5 m.	1.8 m.
SS-17 Spanker	2 L			4	750-kT	Throw Weight	65000 kg.	24 m.	2.5 m.
SS-18 Satan	2 L		250 m.	10*	500-kT	Throw Weight	214000 kg.	35 m.	3.0 m.
SS-19 Stiletto	2 L			6	500-kT	Throw Weight	90445 kg.	20.0 m.	2.5 m.
SS-20 Saber	2 S			3	150-kT	Throw Weight	18181 kg.	16.5 m.	1.8 m.
SS-21 Scarab	2 S	8.7-74.6 mi.	50-100 m.	1	10-kT / 100-kT	10-kT / 100-kT	3000 kg.	6.0 m.	0.85 m.
SS-23 Spider	2 S	50-311 mi.	300 m.	1	200-kT	200-kT	18181 kg.	16.5 m.	1.8 m.
SS-24 Scapel	3 S			10	300-kT	Throw Weight	100000 kg.	21.25 m.	2.0 m.
SS-25 Sickel	3 S			1	550-kT	Throw Weight	37070 kg.	18.0 m.	1.7 m.

\* The SS-18 has the capacity to carry 14 warheads but is restricted to 10 by the SALT II Treaty.

## US ICBMs

Missile	IOC	#	St.	Range	CEP	RV	Yield	Throw Weight	Launch Weight	Length	Dia.
Atlas D	9/59	127	2 L	16673 km.		1 W-49	1.44-MT	1.44-MT	115668 kg.	25.2 m.	3.05 m.
Atlas E/F	9/59	127	2 L	18507 km.		1 W-38	3.75-MT	3.75-MT	117936 kg.	25.2 m.	3.05 m.
Titan I	4/62	54	2 L	12875 km.		1 W-38	3.75-MT	3.75-MT	99792 kg.	29.9 m.	3.05 m.
Titan II	IOC	54	2 L	15000 km.		1 W-53	9-MT	9-MT	149688 kg.	31.4 m.	3.05 m.
Minuteman I	11/62	800	3 S	10000 km.		1 W-56/W-59	1.3-MT	1.3-MT	29400 kg.	17.0 m.	1.84 m.
Minuteman II	IOC	1000	3 S	11250 km.		1 W-56	1.2-MT	1.2-MT	31750 kg.	18.2 m.	1.84 m.
Minuteman III	IOC	1000	3 S	13000 km.	300/200 m.	3 W-62/W-78	200-kT/350-kT	0.6-MT/1.05-MT	34500 kg.	18.2 m.	1.84 m.
Peacekeeper	86	50	4 S	14000 km.	100 m.	10 W-87	300-kT	3 MT	87727 kg.	21.6 m.	2.33 m.

## US SLBMs and SLCMs

Missile	IOC	#	St.	Range	CEP	RV	Yield	Throw Weight	Launch Weight	Length	Dia.
Polaris A-1	-	-	2 S	2305 km.	2000 m.	1 W47	500-kT	0.5-MT	8536 kg.	8.53 m.	1.27 m.
Polaris A-2	-	-	2 S	2884 km.	2000 m.	1 W47	500-kT	0.5-MT	13607 kg.	9.37 m.	1.27 m.
Polaris A-3	-	-	2 S	4810 km.	1000 m.	3 W58	200-kT	0.6 MT	15909 kg.	9.85 m.	1.27 m.
Poseidon	1971	-	2 S	5394 km.	500 m.	10* W68	50-kT	0.5-MT	29545 kg.	10.36 m.	1.88 m.
Trident I C-4	1979	-	3 S	7298 km.	250-500 m.	8 W76	100-kT	0.8-MT	31818 kg.	10.39 m.	1.88 m.
Trident II D-5	1990	-	3 S	11523 km.	250 m.	8* W76/W88	100-kT/475-kT	0.8-MT/3.8-MT	57272 kg.	13.96 m.	2.10 m.

## Russian SLBM and SLCMs

Missile	Stages	Range	CEP	RV	Yield	Throw Weight	Weight	Length	Dia.
SS-N-2 Styx	1 L	50-112 mi.	930-1500 m.	1	40-kT / 100-kT	40-kT / 100-kT	6370 kg.	11.4 m.	0.84 m.
SS-N-3 Shaddock	1 L	1250 mi.	2400 m.	1	1-MT	1-MT	27215 kg.	20.7 m.	1.6 m.
SS-N-6 Sawfly	2 L	2175 mi.		1/1/2	700-kT/600-kT/350-kT	-	60000 kg.	25 m.	2.44 m.
SS-N-7 Siren	2 L			W	3-5-MT	-	295000 kg.	30.5 m.	2.95 m.
SS-N-8	2 L			1	20-MT	20-MT	102000 kg.	31.8 m.	2.8 m.
SS-N-9 Starbright	2 L			1	20-MT	20-MT	102000 kg.	31.8 m.	2.8 m.
SS-N-12 Sandbox	2 L			1/3	25-MT / -kT	25-MT / -kT	190000 kg.	36 m.	3.1 m.
SS-N-14 Silex	2 L			1/3	25-MT / -kT	25-MT / -kT	190000 kg.	36 m.	3.1 m.
SS-N-15 Starfish	2 L			1/3	1-MT / 250-kT	1-MT / 250-kT	41410 kg.	20.0 m.	2.0 m.
SS-N-16 Stallion	2 L			1/3	1-MT / 250-kT	Throw Weight	41410 kg.	20.0 m.	2.0 m.
SS-N-17 Snipe	3 S			1	750-kT	Throw Weight	35000 kg.	20 m.	1.7 m.
SS-N-18 Stingray	3 S			1	600-kT	Throw Weight	34090 kg.	20.5 m.	1.8 m.
SS-N-19 Shipwreck	3 S			1	600-kT	600-kT	34090 kg.	20.5 m.	1.8 m.
SS-N-20 Sturgeon	3 S			1	600-kT	600-kT	34090 kg.	20.5 m.	1.8 m.

SS-N-21 Sampson	2 L			4	750-kT	Throw Weight	65000 kg.	24 m.	2.5 m.
SS-N-22 Sunburn	2 L		250 m.	10*	500-kT	Throw Weight	214000 kg.	35 m.	3.0 m.
SS-N-23 Skiff	2 L			10	100-kT	-	90445 kg.	20.0 m.	2.5 m.
SS-N-24	2 S			3	150-kT	Throw Weight	18181 kg.	16.5 m.	1.8 m.

### U.S. Nuclear Free-Fall Bombs

Nuclear Bomb	Yield	= to how many Hiroshima blasts	Type	Weight of Bomb
B28	70kt to 1.45 MT	4.6 - 95	Fusion	919kg-1152kg (2,026-2,540 lb)
B43	1MT	66.6	Fusion	934kg-971kg (2,060-2,141 lb)
B53	9MT	600	Fusion	4014kg (8,850 lb)
B57	5kT to 10kT	0.3 - 0.6	Fission	231kg-322kg (509-710 lb)
B61	10kT to 500kT	0.6 - 33.3	Boosted Fission	326kg-347kg (719-765 lb)
B83	1-2 MT	66.6-133.3	Fission	1092kg (2,407 lb)

Mods-3, -4, -10. The Mod-10 is a converted warhead. All have CAT F PALs and IHE. Each Mod has four yield options: The B61-3 (0.3, 1.5, 60, and 170 kilotons), the B61-4 (0.3, 1.5, 10, and 45 kilotons), and the B61-10 (0.3, 5, 10, and 80 kilotons).