Falcon 3.02.1 ja Mig 1.01.1 Reference sheet

Target Weapon choice table

target	primary	secondary
Large building	GBU, Mk84	Mk83
Factory, medium-sized building	GBU, Mk 84	Mk83
Small building	Mk83	Mk82
Bridge	GBU	Mk84
Runway	Durandal	-
Hangar	GBU	Mk83
Bunker	GBU	-
POL Tank	Mk83	Mk82
SAM launcher, radar vehicle	HARM, Shrike	Maverick
Tank	Maverick	Mk82, Mk82HD
APC	CBU	Mk82, Mk82HD
Truck, Scud launcher	CBU	Mk82, Mk82HD
Personnel	CBU	Mk82, Mk82HD
Sea based targets		
Aircraft Carrier	Harpoon	Maverick, GBU
Battle Cruiser	Harpoon	Maverick, BGU
Amphibious warfare ship	Harpoon	Maverick, GBU
Destroyer	Harpoon	Maverick, GBU
Berezina	Harpoon	Maverick, GBU
Air cushion landing craft	Maverick	LAU
LST	Maverick	LAU

Minimum release altitude

Weapon	Min. Altitude
Durandal	50 ft
Mk82 HD	100 ft
CBU	475 ft
Mk82	950 ft
Mk83	1,225 ft
Mk84	1,500 ft

Soviet air-to-ground weaponry

Code	Designation	Range	System
UB-32-57	Unguided Rocket poc	<4 miles	unguided
Kh-23	"AS-7 Kerry"	10 miles	Radar beam riding
FAB-250	general purpose bom	drop	free-fall, 550 lbs iron bomb
FAB-250h	High-drag bomb	drop	retarded, 550 lbs bomb
FAB-500	general purpose bom	drop	free-fall, 1,100 lbs iron bomb
RBK-500	Cluster Bomb	drop	free fall, cluster bomb dispenser

U.S.A air-to-air weaponry

Code	Name	Range	Speed	System	Plane
AIM -9P	Sidewinder	10 miles	Mach 2+	Rear-aspect IR	
AIM -9M	Sidewinder	10 miles	Mach 2+	All-aspect IR	
AIM -9R	Sidewinder	10 miles	Mach 2+	All-aspect Imaging IR	FSX
AIM -120	AMRAAM	25 miles	Mach 4+	Active radar	
AIM -120E	AMRAAM	29 miles	Mach 4+	Active radar (ECCM)	FSX
M61A1	Vulcan	1 mile			

U.S.A air-to-ground weaponry

Code	Designation	Range	System
AGM-65B	Maverick	14 miles	Imaging visual, day
AGM-65D	Maverick	14 miles	Imaging IR, low visibility
AGM-45A	Shrike	12 miles	Passive Radar, Anti-radiation CW
AGM-88A	HARM	30 miles	Passive Radar, Anti-radiation
LAU	LAU 5003 Rocker pod	4 miles	Unguided
Mk82	Slick	drop	freefall, 500 lbs iron bomb
Mk82HD	Snakeye	drop	freefall, 500 lbs retarded iron bomb
Mk83	?	drop	free fall, 1000 lbs iron bomb
Mk84	?	drop	free fall, 2000 lbs iron bomb
GBU-15	Guided Bomb Unit	5 miles	Imaging guided, Glide bomb, 945 lbs
CBU-84	Cluster Bomb Unit	drop	free fall, cluster bomb
BLU-107/B	Durandal	drop	retarded, Anti-runaway bomb
AGM-84A	Harpoon	57 miles	SARH, Anti-ship missile

U.S.A air-defence weaponry

Code	Designation	Range	System
FIM-92a	Stinger	3,2 miles	All-aspect infrared, shoulder launched
M163	Vulcan AAA	1,7 miles	optical targetting, mobile AAA battery
Roland	Roland	6 miles	Radar or optical
Patriot	Patriot	50 miles	Dual tracking (missile+ground radar)

Falcon 3.02.1 ja Mig 1.01.1 Reference sheet

Soviet ground-to-air defence units:

TWI code	Designation	Name	Radar	R.Range	R.type	max. Range	Speed	Floor	Ceiling
n/a	SA -7	Grail	n/a	n/a	n/a	1 mile	?	100 ft	12,000 ft
1	SA -6	Gainful	Straigh Flush	23 miles	CW	30 miles	Mach 3	300 ft	47,000 ft
2	SA -8	Gecko	Land Roll	12 miles	Pulse	10 miles	Mach 3	32 ft	20,000 ft
2	SA - N - 4	Gecko (N)	Pop Group	25-40 nm	Pulse	9,2 miles	Mach 3	(sea)	39,000 ft
2	SA - N - 9	?	Cross Swords	26 miles	Pulse	10 miles	?	(sea)	39,000 ft
3	ZSU - 23 -4	Shilka	Bass Tilt/Gun Dish	14 miles	CW	1 mile	n/a	0 ft	2,000 ft
3	AAA (30,100, 130 mm)		Bass Tilt/Gun Dish	14 miles	CW	varies	n/a	0 ft	varies
4	SA - 4	Ganef	Pat Hand	57 miles	Pulse	44 miles	Mach 2.5	?	80,000 ft
4	SA - N - 6	Grumble	Top Pair/...	150 miles	Pulse	54 miles	Mach 6	?	100,00 ft
5	Long range search	GCI	Long Track	93 miles	Pulse	n/a	n/a	varies	n/a
6	Long range multipurp.		Sky Watch	359 miles	Chirp	n7a	n/a	varies	n/a

Soviet Aircraft Arsenal

TWI code	Plane	ceiling	max.speec	type	weapons
1	Mig-29 Fulcrum	60,000 ft	Mach 2,3	Class A fighter, match for F-16!	30mm GSh-301 gun, 6 hardpoints
1	Mig-31 Foxhound	60,000 ft	Mach 2,4	Class A fighter, long r. intercepto	30mm gun, 8 A-A (Amos) missiles
1	Su-27 Fencer	60,000 ft	Mach 2,3	Class A fighter, interceptor	30mm gun, 10 hardpoints for A-A missiles
1	Mirage 2000	59,000 ft	Mach 2,35	Class A fighter, high grade	two 30mm gun, 5(fuselage)+4(wing) hardpoints
2	Mig-23 Flogger	60,000 ft	Mach 2,35	Class B fighter, swing wing	23mm GSh-23, 5 hardpoints, 8,800 lbs ordnance
2	Mig-25 Foxbat	78,000 ft	Mach 2,82	Class B fighter, two engine	4 A-A missiles
2	Mig-27 Flogger-D / -J	55,000 ft	Mach 1,75	Class A fighter, Mig-23 upgrade	23mm gun, 5 hardpoints, 10,000 lbs ordnance
3	Mig-21 Fishbed	59,000 ft	Mach 2,1	Class B fighter	23mm GSh-23, 4 A-A missiles
3	F-5E Tiger II	51,000 ft	Mach ,16	Class B fighter	two 20mm guns, 5+2 missile hardpoints
3	J-7 Airguard	60,000 ft	Mach 2,05	Class B fighter (~mig 21)	two 30mm guns, 4 hardpoints
4	Mirage III	59,000 ft	Mach 2,2	Class B fighter	DEFA 30mm cannon, 3 hardpoints, 8,800 lbs ordnance
4	Mirage 5	55,800 ft	mach 2,2	Class B fighter	DEFA 30mm cannon, 5 hardpoints, 8,800 ordnance
4	Mirage F1	56,600 ft	mach 2,2	Class A fighter, interceptor	DEFA, 5 hardpoints
5	Su-24 Fencer	57,400 ft	Mach 2,4	fighter-bomber, swing-wing	30mm gun, 8 hardpoints, 24,250 lbs ordnance
5	Q-5 Fantan	52,000 ft	Mach 1,5	Attack, dated	two 30mm guns, 5 hardpoints, 4,400 lbs.
5	Jaguar	50,000 ft	Mach 1,6	multi-role, Attack, multinational	two 30 mm guns, 5 hardpoints, 20,000 lbs (1) ordnance
6	IL-75 Mainstay	50,000 ft	530 mph	AWACS aircraft	-
-	An-12 Cub	33,500 ft	480 mph	Transport aircraft	Two NR-23 guns (rear)
-	Mi-24 Hind	14,750 ft	210 mph	Heavy assault helicopter	12,7 mm or 23 mm cannon
-	Mig-19 Farmer	58,730 ft	Mach 1,45	Class B fighter, small turn circle	30mm cannon, 4 air-to-air missiles
-	Su-25 Frogfoot	23,000 ft	Mach 0,8	Close Air support, Attack	30mm gun, 10 (!) hardpoints, CAS ordnance
-	Tu-22 Blinder	60,000 ft	Mach 1,4	Bomber, supersonic	MS-23 gun (rear), internal bay
-	SA 342 Gazelle	13,450 ft	174 mph	light attack helicopter	7,62 mm gun, anti-tank missiles
unknown	UMF-Unmanned Fight	?	?	air superiority, no G limit	??

Western Aircraft Arsenal

TWI code	Plane	ceiling	max.speec	type	weapons
1	F-14 Tomcat	56,000 ft	Mach 2,34	Class A fighter	M61A1 cannon, 8 hardpoints, 14,500 lbs all ordnance
1	F-15 Eagle	60,000 ft	Mach 2,5	Class A air superiority fighter	M61A1 cannon, 5 hardpoints 16,000 lbs ordnance
1	F/A - 18 Hornet	50,000 ft	Mach 1,8	Class A fighter	M61A1 cannon, 9 hardpoints, 17,000 lbs ordnance
1	Tornado	70,000 ft	Mach 2,2	low level strike	two IWKA 27mm cannon, 7 hardpoints, 19,800 lbs ordnance
2	F-4 Phantom II	57,200 ft	Mach 2,1	Class B fighter, older	(M61A1 gun), 8 hardpoints, 16,000 lbs ordnance
2	F-16 Fighting Falcon	60,000 ft	Mach 2	Class A multi-role Fighter	M61A1 cannon, 9+2 hardpoints, 15,200 lbs ordnance
2	F-111 Aardvark	57,100 ft	Mach 2,5	Bomber (nuclear capability)	Internal bay, 4 pylons, 31,500 lbs ordnance
2	FSX	60,000 ft	Mach 2	Upgraded F-16	
4	B-52 Stratofortress	55,000 ft	595 mph	Heavy Bomber	M61A1 tail-turret, 50,000 lbs ordnance in internal bay
4	Kfir - C7	58,000 ft	Mach 2,3	Class B fighter	DEFA 30mm cannon, 9 pylons (two A-A) 13,400 lbs ordnance
5	Mitshubishi F-1	50,000 ft	Mach 1,6	Attack	23mm gun, 5 + 2(wingtip) hardpoints
6	E-3 Sentry	30,000 ft	530 mph	AWACS	A-A missiles on underwing pylons
-	A-4 Skyhawk	42,250 ft	Mach 0,9	Attack, old	two Mk12 cannon, 5 hardpoints, 9,200 lbs ordnance
-	A-10 Thunderbolt	45,000 ft	450 mph	Close Air support	GAU-8/A Avenger 30 mm, 11 hardpoints, 16,000 lbs ordnance
-	AH-64A Apache	21,000 ft	190 mph	Attack Helicopter	M230 gun, 4 A-G hardpoints
-	C-130 Hercules	33,000 ft	380 mph	Transport	none, but gunship version AC-130A exists
-	UH-60 Black Hawk	19,000 ft	325 mph	utility helicopter	two M60 machineguns, (four A-G pylons)
stealth	F-117A Stealth Fighter	?	Mach 0,8	Stealth Bomber	2 internal pylons, 2*2000 lbs guided weapons

Soviet air-to-air weaponry:

Code	Name	Range	Speed	System	Plane
AA-2	Atoll	5 miles	Mach 2+	Rear-aspect IR	Soviet, Mirages
AA-7	Apex	25 miles	Mach 3.5	Active Radar	Mig -29, Su -27
AA-8	Aphid / R - 60	5 miles	Mach 2+	All-aspect IR	Soviet
AA-9	Amos	45 miles	Mach 4,5	SARH	Mig - 31 Foxhound
AA-10	Alamo / R - 27R	18 miles	Mach 3	SARH/All-aspect	new Soviet (Mig -29, Mig -31, Su -27)
AA-11	Archer / R - 73	10 miles	Mach 3	All-aspect IR	Mig-29, Mig -31, Su -27
R.550	Matra Magic	6 miles	Mach 3	All-aspect IR	Mirages
R.530	Matra Super	22 miles	Mach 4+	Active Radar	Mirages
GSh	GSh-301	<1 mile		Passive IR / optical	