

DCS REFERENCE GUIDE



05/30/24
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REFERENCES & THANKS

Information for this guide was collected from various websites and from DCS itself.

Key contributors to the information are:

- airgoons.com
- wikipedia.org
- the Vault (A guide to weapons in Falcom BMS).
- Aerodrome Data and Frequencies by Dmitriy Kozyrev

All weapon illustrations were created by Goldwolf. Aircraft illustrations were created by Kaboldy and Goldwolf.

Aircraft information has been taken from DCS, Aircraft Manuals, online and Chuck's guides.

Turn rates are based on max sustained turn rate on this [website](#).

Thank you to the Hoggit community and everyone who gave their feedback and helped make the guide more complete.

DCS Files created by Goldwolf

Find below other files online, each is clickable.

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[DCS Beginners Guide](#) - Beta out now!

[DCS Stream Deck Profiles](#)

[A-10C HOTAS](#)

[F-16C HOTAS](#)



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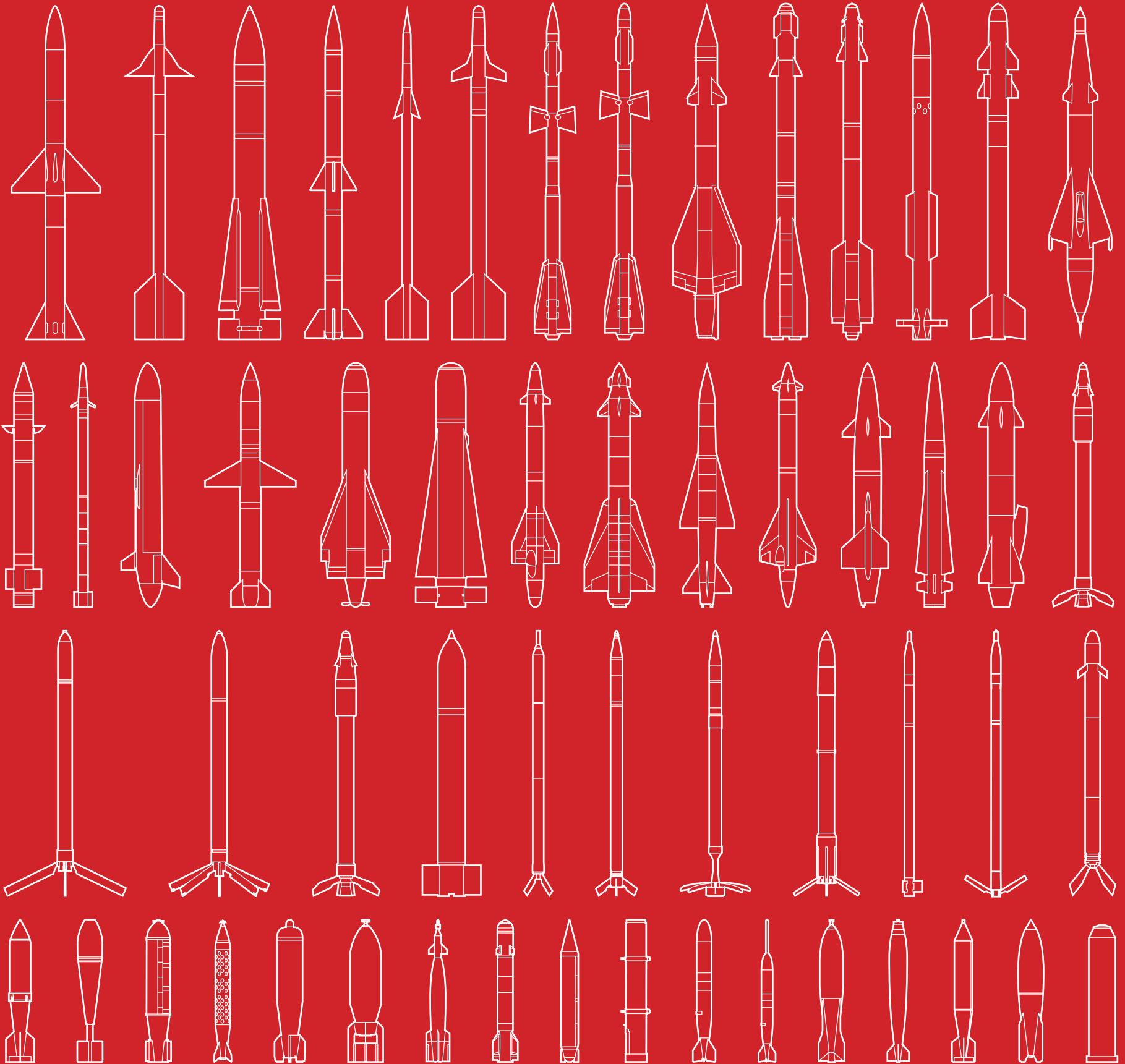
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WEAPON SYSTEMS



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WEAPON SYSTEMS







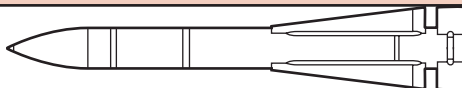
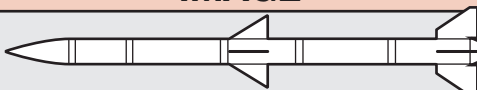
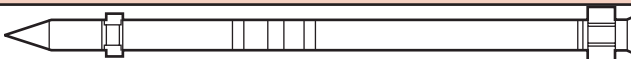


Introduction

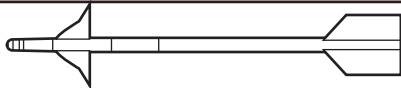
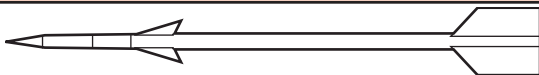


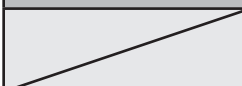
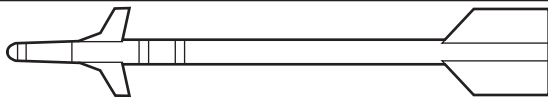
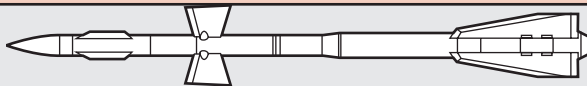
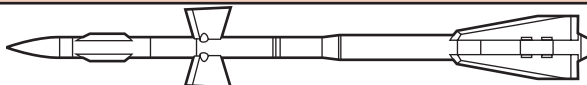
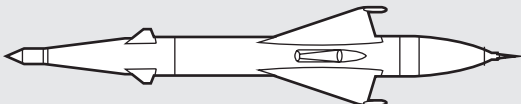
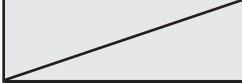
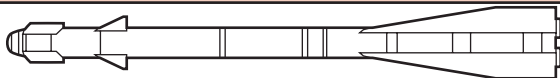

All air to air missiles in DCS fall under one of three categories; infrared, semi-active radar or active radar. All missile ranges are an approximation of **maximum range under ideal conditions** and is for initial reference only. Many factors can influence overall range and therefore ranges can vary greatly.

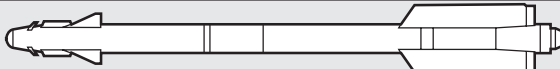
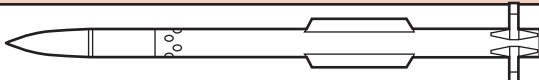
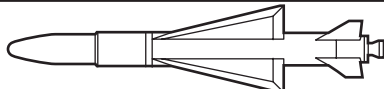
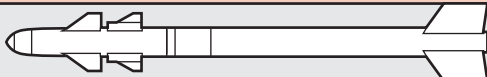
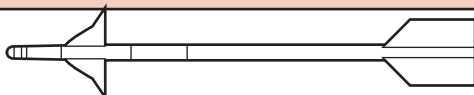
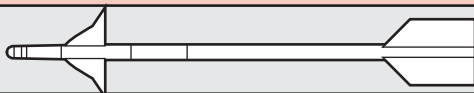
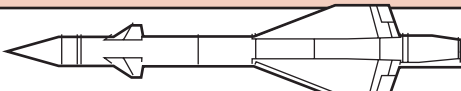
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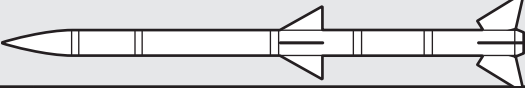
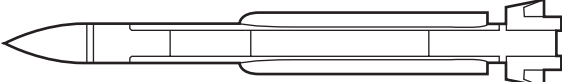
- Fox One:** Indicates launch of a semi-active radar-guided missile (such as the AIM-7 Sparrow).
- Fox Two:** Indicates launch of an infrared-guided missile (such as the AIM-9 Sidewinder).
- Fox Three:** Indicates launch of an active radar-guided missile (such as the AIM-120 AMRAAM).
- Maddog:** Indicates launch of a Fox Three missile without radar guidance from launch aircraft. The missile will rely on its own radar.
- Pitbull:** Indicates that the Fox Three missile is at active range and no longer requires radar input from launch aircraft.

AIR TO AIR WEAPONS						
WEAPON		TYPE	IMAGE		NAME	RANGE
9M39		INFRARED			IGLA	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
	3.2 nm 6 km	ALL	1983	Black Shark 3	More resistant to flares and jamming compared to earlier models.	
WEAPON		TYPE	IMAGE		NAME	RANGE
9M220		RADIO GUIDED			ATAKA	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
O	3.8 nm 7 km	ALL	1980	Mi-24P	Anti-Air variation with a proximity fuse.	

AIR TO AIR WEAPONS						
WEAPON		TYPE	IMAGE		NAME	RANGE
AIM-7		SEMI-ACTIVE RADAR			SPARROW	MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
E	24 nm 45 km	ALL	1970	F-4E, F-15C	First model.	
F	38 nm 70 km		1976	F-4E, F-14 A/B, F-15C, F-15E, F/A-18C	Improved range.	
M			1982		Improved warhead.	
MH			1985		Improved tracking and loft.	
P			1987	F-14 A/B, F/A-18C	Improved guidance.	
WEAPON		TYPE	IMAGE		NAME	RANGE
AIM-9		INFRARED			SIDEWINDER	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
B	2.5 nm 4.6 km	REAR	1956	A-4E, F-4E, F-5E, F-86F, Mirage F1	Early model.	
CAPTIVE M	N/A	N/A	1975	F-15E	Inert version.	
J	10 nm 18.5 km	LIMITED ALL	1975	F-4E, Mirage F1, F-15E	Improved over early model.	
JULI		ALL	1980		Improved guidance over the J.	
L			1977	A-10A, A-10C, A-10CII, AV-8B, F-4E, F-14 A/B, F-15C, F-15E, F-16, F/A-18C	9G launch capable, CM resistant.	
M			1982	A-10A, A-10C, A-10CII, AV-8B, C-101CC, F-4E, F-5E, F-14 A/B, F-15C, F-15E, F-16, F/A-18C	Improved slightly over L.	
P		REAR	1975	A-4E, A-10A, C-101CC, F-4E, F-5E, F-15C, F-15E, F-16, Mirage F1	Improved over B.	
P3		LIMITED ALL		F-16, Mirage F1	Improved over P.	
P5		ALL		A-4E, A-10A, F-5E, F-15C, F-16	Improved over P3.	
X	2003		F-16, F/A-18C	High off boresight.		
WEAPON		TYPE	IMAGE		NAME	RANGE
AIM-54		ACTIVE RADAR			PHOENIX	LONG
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
A MK47	120 nm 222.2 km	ALL	1974	F-14 A/B	Earliest model	
A MK60	145 nm 268.5 km		1975		High-thrust / long burn engine	
C MK47	130 nm 240.7 km		1986		Smokeless engine, improved seeker	
WEAPON		TYPE	IMAGE		NAME	RANGE
AIM-120		ACTIVE RADAR			AMRAAM	MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	NOTE	
B	40 nm 75 km	ALL	1994	F-15C, F-15E, F-16, F/A-18C	Improved variant over A.	
C-5	60 nm 111 km		1996		Smaller control surfaces over B.	
WEAPON		TYPE	IMAGE		NAME	RANGE
MISTRAL		INFRARED				SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM		INFO
	4 nm 7 km	ALL	1988	SA342 Mistral	Laser proximity or impact triggered.	

AIR TO AIR WEAPONS						
WEAPON		TYPE	IMAGE		NAME	RANGE
PL-5		INFRARED			THUNDERBOLT	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
EII	10 nm 18 km	ALL	1994	JF-17	Based on the AA-2 Atoll.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R-3R		SEMI-ACTIVE RADAR			AA-2 ADV-ATOLL	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
	4.5 nm 8 km	ALL	1966	MiG-21	Up to 2G maneuvers.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R-3S		INFRARED			AA-2 ATOLL	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
	4 nm 7 km	REAR	1962	L-39C, MiG-19, MiG-21	Slow lock, Up to 3G maneuvers.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R-13		INFRARED			AA-2 ADV-ATOLL	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
M	8.1 nm 15 km	REAR	1974	MiG-21	Up to 7G maneuvers.	
M1	9.2 nm 17 km		1976		Up to 8G maneuvers.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R-27		SEMI-ACTIVE RADAR			AA-10 ALAMO	MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
ER	70 nm 130 km	ALL	1986	J-11, MiG-29, Su-27, Su-33	Lock on after launch capability.	
R	43 nm 80 km		1983			
WEAPON		TYPE	IMAGE		NAME	RANGE
R-27		INFRARED			AA-10 ALAMO	MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
ET	65 nm 120 km	ALL	1983	J-11, MiG-29, Su-27, Su-33	Lock on before launch.	
T	38 nm 70 km		1986			
WEAPON		TYPE	IMAGE		NAME	RANGE
R-55		BEAM RIDING			AA-1 ALKALI	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
	2.7 nm 5 km	REAR	1957	MiG-21	Semi-active homing radar.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R-60		INFRARED			AA-8 APHID	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
	5.7 nm 10 km	REAR	1974	MiG-21	Up to 5G maneuvers.	
M		LIMITED ALL	1978	L-39, Mi-24P, MiG-21, MiG-29, Su-25		

AIR TO AIR WEAPONS						
WEAPON		TYPE	IMAGE		NAME	RANGE
R-73		INFRARED			AA-11 ARCHER	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
<div></div>	16 nm 30 km	ALL	1982	J-11, MiG-29, Su-25T, Su-27, Su-33	High off boresight.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R-77		ACTIVE RADAR			AA-12 ADDER	MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
<div></div>	54 nm 100 km	ALL	1992	J-11, MiG-29	Can be used against missiles.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R.530		SEMI ACTIVE OR INFRARED			MATRA	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
F EM	10.8 nm 20 km	LIMITED FRONT	1962	Mirage F1 (only 1 or 2 can be equiped)	Semi active radar homing variant.	
F IR					Infrared homing variant.	
WEAPON		TYPE	IMAGE		NAME	RANGE
R.550		INFRARED			MAGIC	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
1	8 nm 15 km	LIMITED FRONT	1972	Mirage F1	Limited frontal engagement.	
2	8 nm 15 km	ALL	1986	C-101CC, M-2000C, Mirage F1	Frontal engagement.	
WEAPON		TYPE	IMAGE		NAME	RANGE
RB-24		INFRARED			SIDEWINDER	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
<div></div>	2.5 nm 4.6 km	REAR	1956	AJS-37	Early model. Equivalent to the AIM-9B.	
J	10 nm 18.5 km	LIMITED ALL	1975		Improved over early model. Equivalent to the AIM-9P.	
WEAPON		TYPE	IMAGE		NAME	RANGE
RB-74		INFRARED			SIDEWINDER	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
<div></div>	10 nm 18.5 km	ALL	1977	AJS-37	9G launch capable, CM resistant. Equivalent to the AIM-9L.	
WEAPON		TYPE	IMAGE		NAME	RANGE
RS		SEMI-ACTIVE RADAR			AA-1 ALKALI	SHORT
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
2US	2.7 nm 5 km	REAR	1965	MiG-21	Beam riding missile.	

AIR TO AIR WEAPONS						
WEAPON		TYPE	IMAGE		NAME	RANGE
SD-10		ACTIVE RADAR			LIGHTNING	MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
	50 nm 100 km	ALL	2005	JF-17	Comparable to the AIM-120.	
WEAPON		TYPE	IMAGE		NAME	RANGE
SUPER 530		SEMI-ACTIVE RADAR				MEDIUM
VERSION	MAX RNG	ASPECT	YR	PLATFORM	INFO	
F	10 nm 18 km	ALL	1979	Mirage F1	Comparable to the AIM-7.	
D	20 nm 37 km	ALL	1988	M-2000C		

WEAPON SYSTEMS



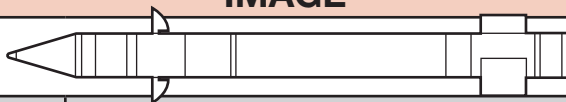
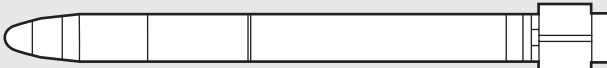

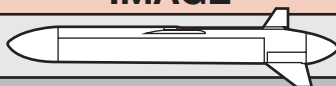
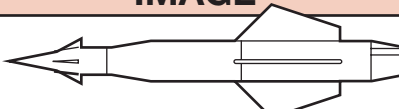

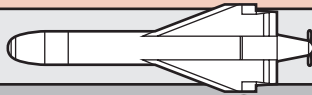

Introduction

All missile ranges are an approximation of maximum range and for initial reference only. Many factors can influence overall range and therefore ranges can vary greatly.

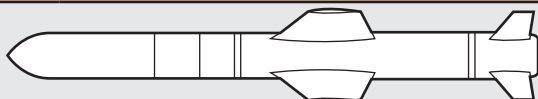

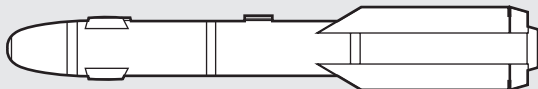
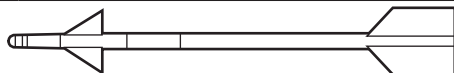

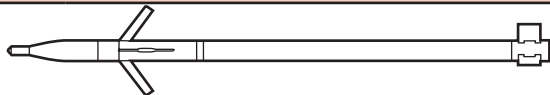

The brevity code used when launching is as follows:

- Bruiser:** Indicates launch of an air to ship missile.
- Duck:** Indicates launch of a tactical air-launched decoy (TALD).
- Magnum:** Indicates the release of an anti-radiation missile.
- Pickle:** Indicates release of a bomb or munition.
- Pig:** Indicates launch of a JSOW.
- Rifle:** Indicates launch of an air to ground missile.





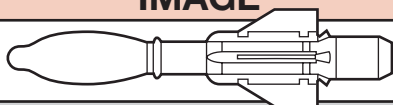
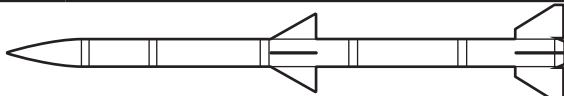
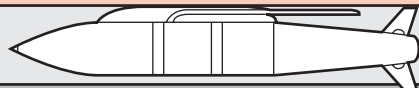
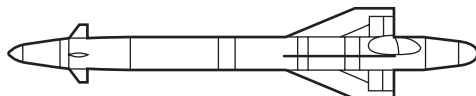
AIR TO GROUND WEAPONS - MISSILES

WEAPON		TYPE	IMAGE		NAME
9M114		RADIO GUIDED			SHTURM
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	2.7 nm 5 km	ANTI-ARMOR	1976	Mi-24P	HEAT Charge, Armor penetrator.
WEAPON		TYPE	IMAGE		NAME
9M120		RADIO GUIDED			ATAKA
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	3.2 nm 6 km	ANTI-ARMOR	1980	Mi-24P	HEAT Tandem warhead.
F		SOFT TARGET			Thermobaric warhead.
WEAPON		TYPE	IMAGE		NAME
9M121		LASER GUIDED			VIKHR
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	6.5 nm 12 km	ANTI-ARMOR	1990	Ka-50, Su-25T	HEAT Charge, Armor penetrator. Proximity fuse can be used against air and groups.
WEAPON		TYPE	IMAGE		NAME
ADM-141		DECOY			TALD
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	82 nm 150 km	AIR DEFENCE	1990	F14 A/B, F/A-18C	Tactical Air Launched Decoy. Range shown at 45,000ft @ M 0.9
WEAPON		TYPE	IMAGE		NAME
AGM-12		AIR TO SURFACE			BULLPUP
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
A / B	10 nm 19 km	HARD TARGET	1970	F-4E	Command guided missile
WEAPON		TYPE	IMAGE		NAME
AGM-45		ANTI-RADIATION			SHRIKE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
A	16 nm 8.6 km	RADAR	1965	A-4E, F-4E	Passive radar homing, fragmentation warhead.
WEAPON		TYPE	IMAGE		NAME
AGM-62		GLIDE BOMB			WALLEYE II ER/DL
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	30 nm 55.6 km	HARD TARGET	1972	F/A-18C, F-4E	TV guided 2000 lb bomb.
WEAPON		TYPE	IMAGE		NAME
AGM-65		AIR TO SURFACE			MAVERICK
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
A / B	8 nm 15 km	ANTI-ARMOR	1972	F-4E	Electro-Optical TV. Shaped charge.
D			1975	A-10A, A-10C, A-10CII, F-4E, F-16	
E		AV-8B, F/A-18C		Semi-active laser. Penetrating blast fragmentation.	
F		AV-8B, F/A-18C		Infrared Seeker. Penetrating blast fragmentation.	
G	15 nm 27 km	HARD TARGET			A-10A, A-10C, A-10CII, F-16
H	5 nm 9 km	ANTI-ARMOR		Electro-Optical TV. Shaped charge.	
K		HARD TARGET, SHIP	1986		A10C-II, AV-8B
L				Semi-active laser. Penetrating blast fragmentation.	

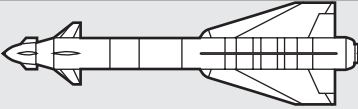
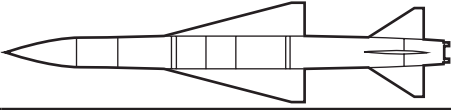
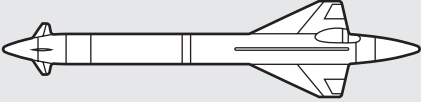
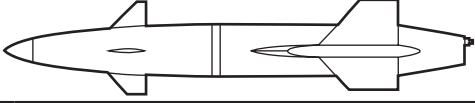
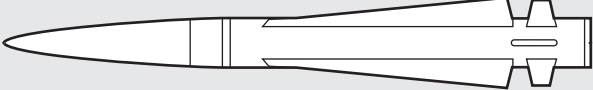
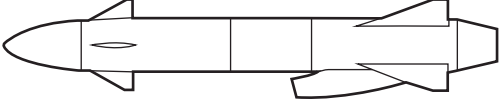
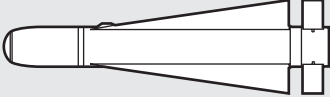
AIR TO GROUND WEAPONS - MISSILES

WEAPON		TYPE	IMAGE		NAME
AGM-84		ANTI-SHIP			HARPOON
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
D	50 - 70 nm 92 - 130 km	SHIPS	1977	F/A-18C	Active radar homing.
E		STATIONARY TARGET, SHIP	1990		SLAM. Standoff Land Attack Missile. Man-In-The-Loop (MITL) control.
H	120 - 155 nm 222 - 287 km		2000		SLAM-ER. Standoff Land Attack Missile-Expanded Response. Man- In-The-Loop (MITL) control.
WEAPON		TYPE	IMAGE		NAME
AGM-88		ANTI- RADIATION			HARM
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
C	80 nm 150 km	RADAR	1983	F-16, F/A-18C	Can detect and home in on multiple radar antennas or transmitters.
WEAPON		TYPE	IMAGE		NAME
AGM-114		LASER/ RADAR GUIDED			HELLFIRE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
K	5.1 nm 9.5 km	ANTI-ARMOR	1993	AH-64D	Semi-Active Laser Homing (SALH).
L			1995		Radar guided fire and forget.
WEAPON		TYPE	IMAGE		NAME
AGM-122		ANTI- RADIATION			SIDEARM
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	9 nm 16 km	RADAR	1986	AV-8B	Based on the AIM-9C Sidewinder.
WEAPON		TYPE	IMAGE		NAME
AGM-154		GLIDE BOMB			JSOW
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
A	12 - 70 nm 22 - 130 km	SOFT TARGET	1998	F-16, F/A-18C	GPS/INS guided. 145 bomb submunitions.
C		HARD TARGET		F/A-18C	GPS/INS guided.
WEAPON		TYPE	IMAGE		NAME
AGR-20		LASER HOMING			APKWS
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
M151	6 nm 11 km	SOFT TARGET	2008	A10C-II, AV-8B	High explosive 10 pounder.
M282		LIGHT ARMOR			Multi-purpose penetrator warhead.
WEAPON		TYPE	IMAGE		NAME
BK-90		GLIDING CLUSTER BOMB			MJÖLNER
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
MJ1	5.5 nm 10 km	SOFT TARGET	1990	AJS37	INS-guided bomb has 24 barrels and 72 submunitions. Code 921 for Long Area. Code 922 for Wide Area. Code 923 for Compact Area.
MJ2		ANTI-ARMOR			
MJ1+2		SOFT TARGET & ANTI-ARMOR			

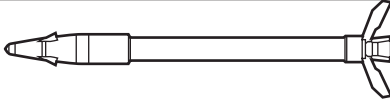
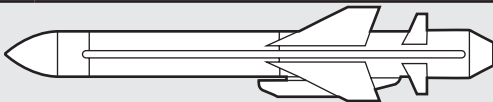
AIR TO GROUND WEAPONS - MISSILES

WEAPON		TYPE	IMAGE		NAME
C-701		AIR TO SURFACE			
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
IR	8 nm 15 km	ANTI-ARMOR	2004	JF-17	Infrared guidance. Similar to the AGM-65.
T					Passive homing TV guidance. Similar to the AGM-65.
WEAPON		TYPE	IMAGE		NAME
C-802		ANTI-SHIP			SACCADE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
AK	97 nm 180 km	SHIP	1998	JF-17	Active radar homing.
WEAPON		TYPE	IMAGE		NAME
CM-802		AIR TO SURFACE			SACCADE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
AKG	97 nm 180 km	HARD TARGET	1998	JF-17	Infrared seeker. Man-In-The-Loop (MITL) control.
WEAPON		TYPE	IMAGE		NAME
GB-6		GLIDE BOMB			
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
HE SFW	42 nm 77.8 km	SOFT TARGET	2006	JF-17	GPS guided bomblets.
		HARD TARGET			GPS guided hgh explosive warhead.
		ANTI-ARMOR			GPS guided smart bomblets.
WEAPON		TYPE	IMAGE		NAME
HOT3		AIR TO SURFACE			HOT
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	2.2 nm 4 km	ANTI-ARMOR	1977	SA342 M	High subsonic, optical, remote-guided, tube launched.
WEAPON		TYPE	IMAGE		NAME
LD		ANTI-RADIATION			THUNDERBOLT 12
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
10	32 nm 59 km	RADAR	2012	JF-17	20 kg warhead.
WEAPON		TYPE	IMAGE		NAME
LS-6		GLIDE BOMB			THUNDER STONE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
100	50 nm 92.6 km	SOFT TARGET	2006	JF-17	Both laser and GPS guided
250					GPS Precision-guided munition.
500		HARD TARGET			GPS Precision-guided munition.
WEAPON		TYPE	IMAGE		NAME
Kh-25		AIR TO SURFACE			KAREN
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
ML	6 nm 11 km	ANTI-ARMOR	1975	Ka-50, Su-25	Semi-active laser guidance.
MP	10 nm 18 km	RADAR	1977	Su-25T	AS-12 Kegler. Modular anti-radiation variant.
MPU	16 nm 30 km		1979	Su-25T	AS-12 Kegler. Updated version of the MP.

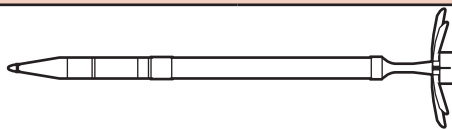
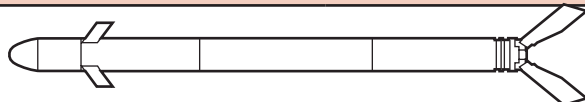
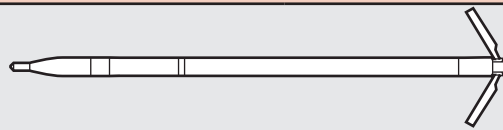
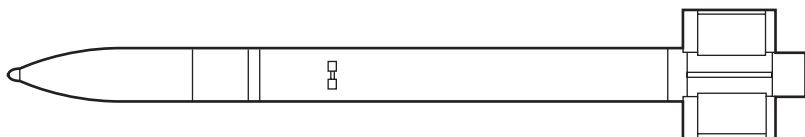
AIR TO GROUND WEAPONS - MISSILES

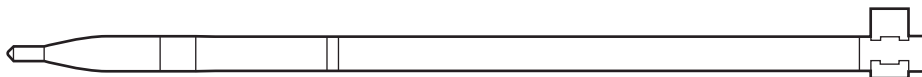
WEAPON		TYPE	IMAGE		NAME
Kh-29		AIR TO SURFACE			KEDGE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
L	5 nm 10 km	HARD TARGET, SHIP	1980	Su-25	Semi-active laser guidance. Similar to the AGM-65.
T	6 nm 12 km			Su-25T	Passive homing TV guidance. Similar to the AGM-65.
WEAPON		TYPE	IMAGE		NAME
Kh-58		ANTI-RADIATION			KILTER
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
U	130 nm 250 km	RADAR	1982	Su-25T	Improved version with longer range and lock-on-after-launch
WEAPON		TYPE	IMAGE		NAME
Kh-66		BEAM RIDING			KERRY
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	5.5 nm 10 km	HARD TARGET	1968	MiG-21	Heavy warhead and beam riding version of the K-8.
WEAPON		TYPE	IMAGE		NAME
RB-04		ANTI-SHIP			ROBOT 04
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
E	17 nm 32 km	SHIPS	1975	AJS37	Long-range fire-and-forget air-to-surface, anti-ship missile
WEAPON		TYPE	IMAGE		NAME
RB-05		GUIDED AIR TO SURFACE			ROBOT 05
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
E	5 nm 9 km	HARD TARGETS	1972	AJS37	Tracking flare helps the pilot steer the missile towards the target.
WEAPON		TYPE	IMAGE		NAME
RB-15		ANTI-SHIP			ROBOT 15
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
F	37 nm 70 km	SHIPS	1989	AJS37	Multiple waypoint capable cruise missile.
WEAPON		TYPE	IMAGE		NAME
RB-75		AIR TO SURFACE			ROBOT 75
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
A	11.9 nm 22 km	ANTI-ARMOR	1970	AJS37	Electro-Optical TV. Equivalent to the AGM-65A. Shaped charge.
B					Electro-Optical TV. Equivalent to the AGM-65B. Magnified seeker. Shaped charge.
T		LARGE TARGET			Electro-Optical TV. Equivalent to the AGM-65A. Blast Fragmentation.

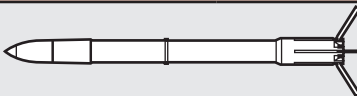
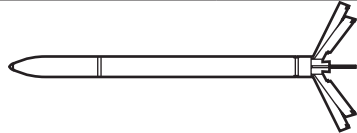
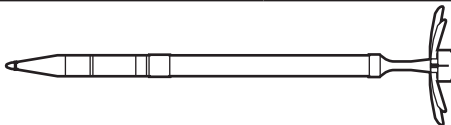
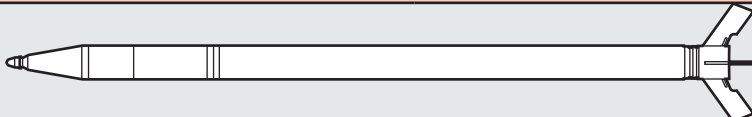
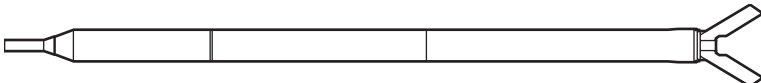
AIR TO GROUND WEAPONS - MISSILES

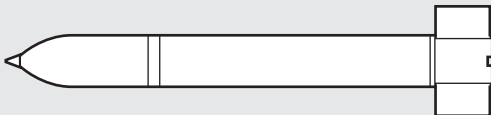
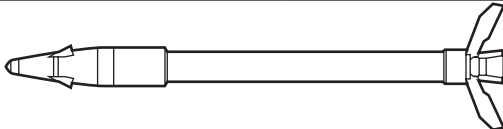
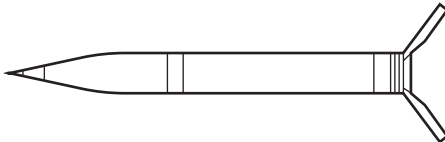
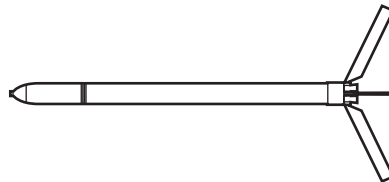
WEAPON		TYPE	IMAGE		NAME
S-25		LASER HOMING			
VERSION	MAX RNG	TARGET	YR	PLATFORM	
L	4 nm 7 km	HARD TARGET	1980	Su-25, Su-25T	Limited range rocket with laser guidance.
WEAPON		TYPE	IMAGE		NAME
SEA EAGLE		ANTI-SHIP			SEA EAGLE
VERSION	MAX RNG	TARGET	YR	PLATFORM	INFO
	50 - 70 nm 92 - 130 km	SHIP	1980	C-101CC	BAE anti-ship missile.


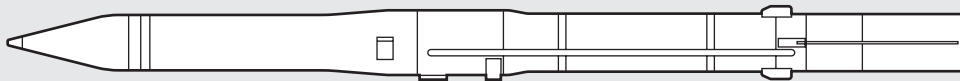
AIR TO GROUND WEAPONS - ROCKETS

WEAPON		SIZE	IMAGE		
ARF-8		1.9 in 50 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
API	HARD TARGET	LR-25	25	MB-339	Anti-armor.
HEI	SOFT TARGET				High explosive warhead.
TP-SM	TARGET MARKING				Smoke.
WEAPON		SIZE	IMAGE		
BRM		3.54 in 90 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
1	HARD TARGET	LAU-68	16	JF-17	Laser Guided High Explosive.
WEAPON		SIZE	IMAGE		
FFAR		2.75 in 70 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
M156	TARGET MARKING	LAU-3	19	A-4E, F-4E, F-5E, AV-8B	White phosphorus.
		LAU-68	7	A-4E, F-5E	
M257		LAU-3	19		A-4E, F-5E
M274				A-4E	Parachute smoke.
MK1				SOFT TARGET	A-4E, AV-8B
MK5	HARD TARGET	LAU-68	7	A-4E, F-4E	
		LAU-3	19	A-4E, AV-8B, F-4E, F-5E	High explosive Anti-Tank warhead.
LAU-68	7				
WEAPON		SIZE	IMAGE		
HVAR		5 in 127 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
	SOFT TARGET		2	F-86F	High explosive warhead.

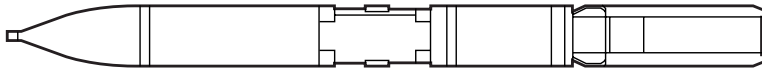
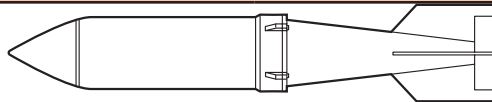


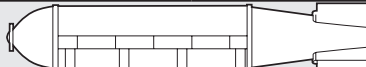
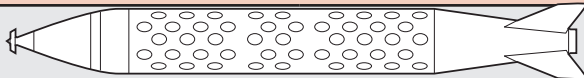
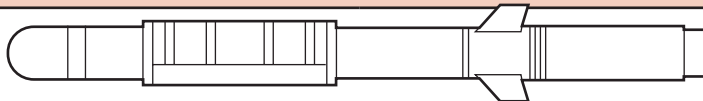
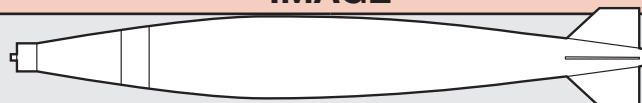
AIR TO GROUND WEAPONS - ROCKETS					
WEAPON		SIZE	IMAGE		
HYDRA		2.75 in 70 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
M151	SOFT TARGET	BRU-42	21	A-10C, A-10CII	High Explosive.
		LAU-3/61	19	AV-8B, F-16, F/A-18C, MB-339	
		LAU-68/131	7	A-10A, A-10C, A-10CII, AV-8B, C-101CC, F-5E, F/A-18C	
		M261	19	AH-64D, UH-1H	
		XM158	7		
M156	TARGET MARKING	BRU-42	21	A-10C, A-10CII	White phosphorus.
		LAU-3/61	19	AV-8B, F-16, MB-339	
		LAU-68/131	7	A-10A, A-10C, A-10CII, AV-8B, C-101CC, F-5E	
		XM158		UH-1H	
M229	HARD TARGET	M261	19	AH-64D	High Explosive 17 Pounder.
M257	TARGET MARKING	BRU-42	21	A-10C, A-10CII	Parachute illumination.
		LAU-68/131	7	A-10A, A-10C, A-10CII, A-4E, AV-8B, C-101CC, F-5E	
		M261	19	AH-64D, AV-8B	
		XM158	7	UH-1H	
M274		BRU-42	21	A-10C, A-10CII	Parachute smoke.
		LAU-68/131	7	A-10A, A-10C, A-10CII, AV-8B, C-101CC, F-5E	
		M261	19	AH-64D, AV-8B	
		XM158	7	UH-1H	
M282	HARD TARGET	M261	19	AH-64D	Multipurpose Penetrator.
MK1	SOFT TARGET	BRU-42	21	A-10C, A-10CII	Unarmored targets. Blast fragmentation.
		LAU-68/131	7	A-10A, A-10C, A-10CII, F-5E	
		XM158		UH-1H	
MK5	HARD TARGET	BRU-42	21	A-10C, A-10CII	High explosive Anti-Tank warhead.
		LAU-3/61	19	AV-8B, F-16	
		LAU-68/131	7	A-10A, A-10C, A-10CII, A-4E, AV-8B, F-5E, F/A-18C, JF-17	
		M261	19	UH-1H	
		XM158	7		
MK61	TARGET MARKING	BRU-42	21	A-10C, A-10CII	Smoke.
		LAU-3/61	19	AV-8B, F-16	
		LAU-68/131	7	A-10A, A-10C, A-10CII, F-5E	
WTU-1/8	PRACTICE TARGET	BRU-42	21	A-10C, A-10CII	Inert warhead for training purposes.
		LAU-3/61	19	AV-8B, F-16, MB-339	
		LAU-68/131	7	A-10A, A-10C, A-10CII, AV-8B, F-5E	



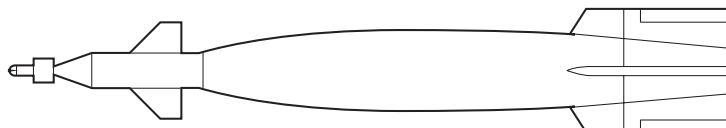
AIR TO GROUND WEAPONS - ROCKETS					
WEAPON		SIZE	IMAGE		
M/70B		5.3 in 135 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
AP	HARD TARGET	ARAK	6	AJS37	Anti-armor.
HE	SOFT TARGET				High explosive.
WEAPON		SIZE	IMAGE		
MATRA/SNEB		2.7 in 68 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
155	SOFT TARGET	MATRA TYPE 155	18 / 36	M-2000C, MB-339	Lightly armored targets.
250	TARGET MARKING		18 / 36	Mirage F1	Training smoke.
251	SOFT TARGET				High explosive.
252	PRACTICE				Training.
253	HARD TARGET				High explosive Anti-Tank warhead.
254	TARGET MARKING				Available in green, red or yellow smoke.
256	SOFT TARGET				High explosive fragmentation.
257	HARD TARGET				High explosive fragmentation large warhead.
259E	TARGET MARKING				Illumination.
WEAPON		SIZE	IMAGE		
S-5		2.2 in 57 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
KO	HARD TARGET	UB-32A	32	L-39C, Mi-24P, Su-25	Lightly armored targets.
M	SOFT TARGET	UB-16UM	16	Mi-24P, MiG-19P, MiG-21	Unarmored targets. Blast fragmentation.
		UB-32UM	32		
WEAPON		SIZE	IMAGE		
S-8		3.2 in 80 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
KOM	HARD TARGET	B-8MI	20	J-11, MiG-29, Su-25, Su-27, Su-33	High explosive Anti-Tank warhead.
		B-8V20A	10	KA-50, Mi-8, Mi-24P, Su-27, Su-33	
OFP2	SOFT TARGET	B-8MI	20	J-11, MiG-29, Su-25, Su-27, Su-33	Unarmored targets. Blast fragmentation.
		B-8V20A	10	KA-50, Mi-8, Mi-24P, Su-27,Su-33	
OM	TARGET MARKING			KA-50, Mi-8, Mi-24P	Illumination.
TsM	TARGET MARKING	B-8MI	20	J-11, MiG-29, Su-25, Su-27, Su-33	Smoke.
		B-8V20A	10	KA-50, Mi-8, Mi-24P, Su-27, Su-33	
WEAPON		SIZE	IMAGE		
S-13		4.8 in 122 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
OF	SOFT TARGET	B-13L	5	J-11, KA-50, Mi-24P, Su-25, Su-27, Su-33	Unarmored targets. Blast fragmentation.

AIR TO GROUND WEAPONS - ROCKETS					
WEAPON		SIZE	IMAGE		
S-24		9.4 in 240 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
A	SOFT TARGET		1	MiG-21	Lightly armored targets.
B				Mi-24P, MiG-21, MiG-29, Su-25	Reduced smoke version of A.
WEAPON		SIZE	IMAGE		
S-25		13.4 in 340 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
OFM	HARD TARGET		1	J-11, Su-25, Su-27, Su-33	High explosive Anti-Tank warhead.
WEAPON		SIZE	IMAGE		
UG		3.6 in 90 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
	HARD TARGET		1	JF-17	High explosive Anti-Tank warhead.
WEAPON		SIZE	IMAGE		
ZUNI		5 in 127 mm			
VERSION	TARGET	LAUNCHER	QTY	PLATFORM	INFO
MK71	SOFT TARGET	LAU-10	4	A-4E, AV-8B, F-14A/B, F/A-18C, MB-339	High explosive warhead.

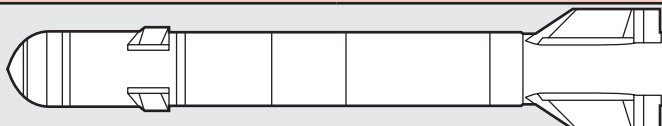
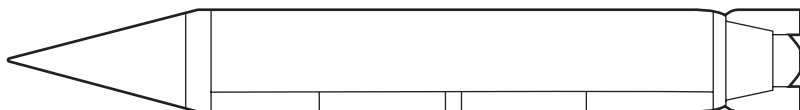
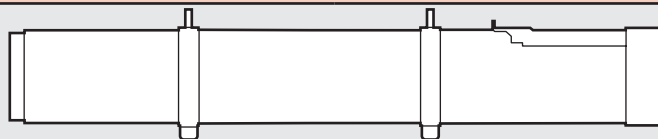
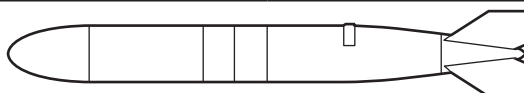
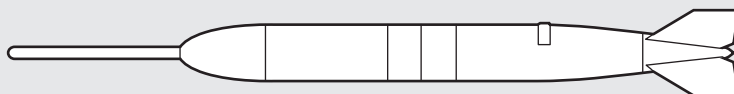
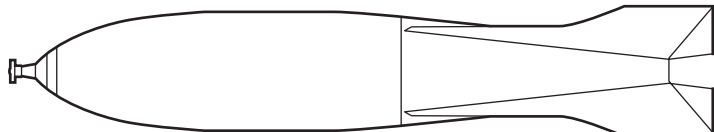
AIR TO GROUND WEAPONS - BOMBS					
WEAPON		TYPE	IMAGE		
AN (Army Navy)		FREE FALL			
VERSION	TARGET	WEIGHT	PLATFORM		INFO
M30A1	SOFT TARGET	100 lbs 45.4 kg	A-4E		High-explosive.
M57		250 lbs 113.4 kg			
M64	LT STRUCTURE	500 lbs 227 kg	A-4E, F-86F		
M65	SOFT TARGET	1000 lbs 453.6 kg	A-4E		
M66A2	HARD TARGET	2000 lbs 907.2 kg			
M81	SOFT TARGET	260 lbs 117.9 kg			
M88		220 lbs 100 kg	Fragmentation bomb		
WEAPON		TYPE	IMAGE		
BAP		ANTI-RUNWAY			
VERSION	TARGET	WEIGHT	PLATFORM		INFO
100	RUNWAY	100 lb 45.4 kg	M-2000C, MB-339		Anti-runway bomb.



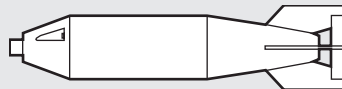
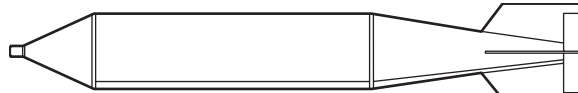
AIR TO GROUND WEAPONS - BOMBS

WEAPON		TYPE	IMAGE	
BAT		ANTI-RUNWAY		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
120	RUNWAY	120 lbs 54.4 kg	MB-339	Anti-runway bomb.
WEAPON		TYPE	IMAGE	
BETAB		FREE FALL		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
500	BUNKER	1,100 lbs 477 kg	J-11, MiG-21, MiG-29, Su-25, Su-27, Su-33	Concrete piercing bomb.
500ShP	RUNWAY			
WEAPON		TYPE	IMAGE	
BDU		TRAINING		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
33	TRAINING TARGET	25 lbs 11.3 kg	A-10A, A-10C, A-10CII, AV-8B, C-101CC, F-4E, F-5E, F-14A/B, F-16	Training smoke.
45		500 lbs 226.8 kg	F-4E, F-14A/B, F/A-18C	Training smoke. Mk-82.
45B			A-10A, A-10C, A-10CII, F-4E, F-5E, F-15E	Training smoke. Mk-82 AIR.
50HD				Training smoke. Mk-82.
50LD				A-10C, A-10CII, F-5E, F-15E
50LGB				
WEAPON		TYPE	IMAGE	
BIN		INCENDIARY BOMB		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
200	SOFT TARGET	441 lbs 200 kg	C-101CC	Spanish incendiary bomb.
WEAPON		TYPE	IMAGE	
BL755		CLUSTER		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
	HARD TARGET	1,000 lbs 453.6 kg	C-101CC, MB-339, MiG-21	Multiple armored targets.
WEAPON		TYPE	IMAGE	
BLG / BELOUGA		CLUSTER		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
66	SOFT TARGET	672.4 lb 305 kg	C101CC, M-2000C, MB-339, Mirage F1	High-drag HEAT.
WEAPON		TYPE	IMAGE	
BLU / DURANDAL		ANTI-RUNWAY		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
107	RUNWAY	750 lbs 340 kg	MB-339, Mirage F1, F-15E	Parachute deployed anti-runway bomb.
WEAPON		TYPE	IMAGE	
BR		FREE FALL		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
250	LIGHT STRUCTURE	551.2 lbs 250 kg	C-101CC, Mirage F1	Low-drag, high explosive.
500	MEDIUM STRUCTURE	1102.3 lbs 500 kg		


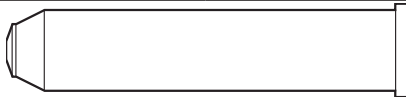

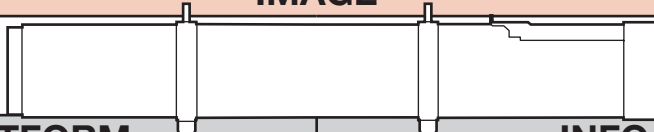
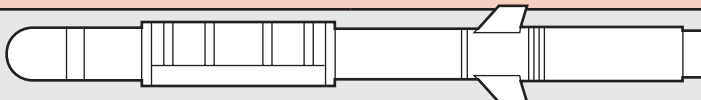
AIR TO GROUND WEAPONS - BOMBS				
WEAPON		SIZE	IMAGE	
CBU		CLUSTER		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
52B	SOFT TARGET	785 lbs 356 kg	F-4E, F-5E	High-explosive.
87 CEM		950 lbs 431 kg	A-10A, A-10C, A-10CII, F-4E, F-15E, F-16	
97 SFW	ANTI-ARMOR	1000 lbs 453.6 kg		HEAT.
99	HARD TARGET	490 lbs 222.3 kg	AV-8B, F/A-18C	
100			F/A-18C, JF-17	
103	SOFT TARGET	950 lbs 431 kg	A-10C, A-10CII, F-16	INS-guided, wind-corrected CBU-87.
105	ANTI-ARMOR	1000 lbs 453.6 kg		INS-guided, wind-corrected CBU-97.
WEAPON		TYPE	IMAGE	
FAB		FREE FALL		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
50	SOFT TARGET	110.2 lbs 50 kg	MiG-19P	Low-drag, high explosive.
100		220.5 lbs 100 kg	J-11, L-39C, Mi-8, Mi-24P, MiG-19P, MiG-21, Su-25, Su-27	
250	LIGHT STRUCTURE	551.2 lbs 250 kg	J-11, L-39C, Ka-50, Mi-8, Mi-24P, MiG-21, MiG-29, Su-25, Su-27, Su-33	
250 M54			MiG-21	
500 M62	MEDIUM STRUCTURE	1102.3 lbs 500 kg	J-11, Ka-50, Mi-8, Mi-24P, MiG-21, MiG-29, Su-25, Su-27, Su-33	
WEAPON		TYPE	IMAGE	
GBU		GUIDED		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
8 / 10	HARD STRUCTURE	2,000 lbs 907.2 kg	A-10C, A-10CII, F-4E, F-14A/B, F-15E, F-16, F/A-18C, JF-17, Mirage F1	Laser guided Mk-84.
12	MEDIUM STRUCTURE	500 lbs 226.8 kg	A-10C, A-10CII, AV-8B, F-5E, F-14A/B, F-15E, F-16, F/A-18C, JF-17, M-2000C, Mirage F1	Laser guided Mk-82.
15	HARD STRUCTURE	1,000 lbs 453.6 kg	F-4E	Radio guided Mk-84.
16			AV-8B, F-14A/B, F/A-18C, JF-17, M-2000C, Mirage F1	Laser guided Mk-83.
24		2,000 lbs 907.2 kg	F-4E, F-14A/B, F-15E, F-16, F/A-18C, M-2000C	Laser guided Mk-84 with penetrator.
31(V)1/B			A-10C, A-10CII, F-16, F/A-18C	INS guided Mk-84.
31(V)2/B			F/A-18C	
31(V)3/B			A-10C, A-10CII, F-16, F/A-18C	INS guided BLU-109 hardened penetration.
31(V)4/B			F/A-18C	
32(V)2/B		MEDIUM STRUCTURE	1,000 lbs 453.6 kg	AV-8B, F/A-18C
38	500 lbs 226.8 kg		A-10C, A-10CII, AV-8B, F-16, F/A-18C	INS guided Mk-82.
54			A-10C II, AV-8B	Dual guidance Mk-82.
54(V)1/B			AV-8B	

AIR TO GROUND WEAPONS - BOMBS

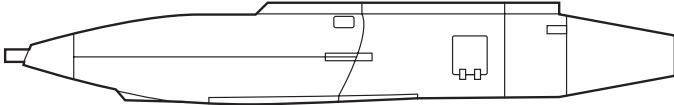
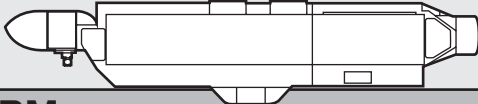
WEAPON		TYPE	IMAGE	
KAB		GUIDED		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
500kr	MEDIUM STRUCTURE	1146.4 lbs 520 kg	Su-25T	TV guided.
WEAPON		TYPE	IMAGE	
KMGU		MUNITION DISPENSER		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
A0-2.5RT	SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	J-11, Ka-50, Mi-24P, MiG-29, Su-25, Su-27, Su-33	Fragmentation
PTAB-2.5K0	MEDIUM TARGET			HEAT anti-tank
WEAPON		TYPE	IMAGE	
LUU		ILLUMINATION FLARE		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
2	TARGET MARKING	30 lbs 13.6 kg	A-10A, A-10C, A-4E, AV-8B, F-5E, F-14A/B	Illuminating targets.
WEAPON		TYPE	IMAGE	
LysB		ILLUMINATION		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
	TARGET MARKING	176.4 lbs 80 kg	AJS-37	Illuminating targets.
WEAPON		TYPE	IMAGE	
M/71		HIGH & LOW DRAG		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
HD	LIGHT STRUCTURE, STATIONARY VEHICLES	275.6 lbs 125 kg	AJS-37	High-explosive, high-drag.
LD				High-explosive, Low-drag.
WEAPON		TYPE	IMAGE	
M117		FREE FALL		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
	MEDIUM STRUCTURE	750 lbs 340 kg	F-5E, F-86F	High-explosive.

AIR TO GROUND WEAPONS - BOMBS					
WEAPON		TYPE	IMAGE		
MK		HIGH & LOW DRAG			
VERSION	TARGET	WEIGHT	PLATFORM	INFO	
20	ANTI-ARMOR	222.3 lbs 490 kg	A-10A, A-4E, AV-8B, F-14A/B, F-15E, F/A-18C, JF-17	Cluster Bomb.	
77 MOD 0	SOFT TARGET	750 lbs 340 kg	A-4E	Incendiary napalm bomb.	
77 MOD 1		500 lbs 226.8 kg			
81	SOFT TARGET	250 lbs 113.4 kg	A-4E, AV-8B, F-14A/B, MB-339	High-explosive, low-drag.	
81 SE			A-4E	Mk-81 with high-drag fin kit.	
81 LD			A-4E, AV-8B, F-14A/B	High-explosive, low-drag.	
82	LIGHT STRUCTURE	500 lbs 226.8 kg	A-10A, A-10C, A-10CII, A-4E, AV-8B, C-101CC, F-5E, F-14A/B, F-15E, F-16, F/A-18C, JF-17, M-2000C, MB-339, Mirage F1		
82 SE			A-4E, AV-8B, F-5E, F-14A/B, F-15E, F-16, F/A-18C, JF-17, M-2000C, MB-339		Mk-82 with high-drag fin kit.
82 AIR			A-10A, A-10C, A-10CII, AV-8B, F-14A/B, F-15E, F-16, M-2000C		Mk-82 with high-drag ballute kit.
82Y			F/A-18C	Mk-82 with higher-drag ballute kit.	
83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	A-4E, AV-8B, F-5E, F-14A/B, F/A-18C, JF-17, MB-339	High-explosive, low-drag.	
84	HARD STRUCTURE	2000 lbs 907.2 kg	A-10A, A-10C, A-10CII, A-4E F-5E, F-15E, F-16, F/A-18C, JF-17		
84 AIR GP			F-15E	High-explosive, high-drag.	
84 AIR TP	TRAINING			Training	
WEAPON		TYPE	IMAGE		
OFAB		FREE FALL			
VERSION	TARGET	WEIGHT	PLATFORM	INFO	
100	SOFT TARGET	220.5 lbs 100 kg	L-39	General purpose high explosive	
WEAPON		TYPE	IMAGE		
P-50		TRAINING			
VERSION	TARGET	WEIGHT	PLATFORM	INFO	
T	TRAINING TARGET	110.2 lbs 50 kg	L-39	Practice bomb.	
WEAPON		TYPE	IMAGE		
RBK		CLUSTER			
VERSION	TARGET	WEIGHT	PLATFORM	INFO	
250 PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	J-11, MiG-21, MiG-29, Su-25, Su-27, Su-33	High-drag.	
250 A0-1Sch	SOFT TARGET				
500 PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank	
500 PTAB-10.5					
500 OAB-2.5RT	SOFT TARGET			High-drag. Fragmentation	

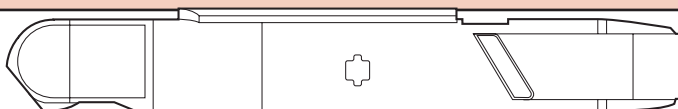
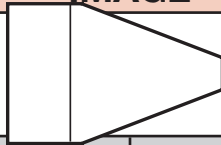
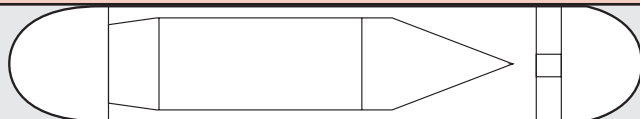

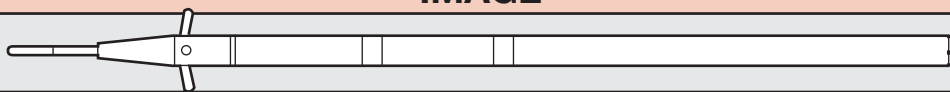

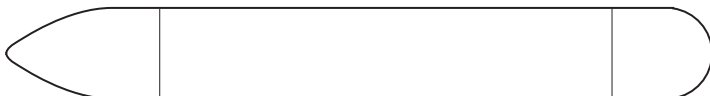
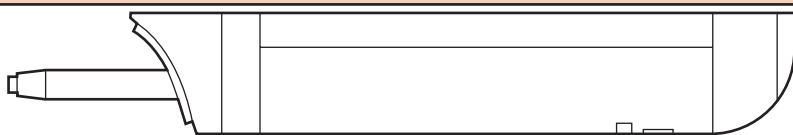
AIR TO GROUND WEAPONS - BOMBS

WEAPON		TYPE	IMAGE	
RN		NUCLEAR		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
24	LARGE TARGET	1 kt	MiG-21	Nuclear bomb.
28		10 kt		
WEAPON		TYPE	IMAGE	
SAB		ILLUMI-NATION		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
100	TARGET MARKING	220.5 lbs 100 kg	J-11, Mi-8, MiG-21, Su-25, Su-27, Su-33	Illuminating targets.
WEAPON		TYPE	IMAGE	
SAMP		HIGH & LOW DRAG		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
125	LIGHT STRUCTURE	275.6 lbs 125 kg	Mirage F1	GP Bomb in high or low drag
250		551.2 lbs 250 kg	M-2000C, Mirage F1	GP Bomb in high or low drag
400	MEDIUM STRUCTURE	882 lbs 400 kg	Mirage F1	GP Bomb in high or low drag
WEAPON		TYPE	IMAGE	
SUU		ILLUMI-NATION		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
25	TARGET MARKING	110.2 lbs 50 kg	F-4E	Illuminating targets.
WEAPON		TYPE	IMAGE	
TYPE-200		ANTI-RUNWAY		
VERSION	TARGET	WEIGHT	PLATFORM	INFO
A	RUNWAY	750 lbs 340 kg	JF-17	Parachute deployed anti-runway bomb.

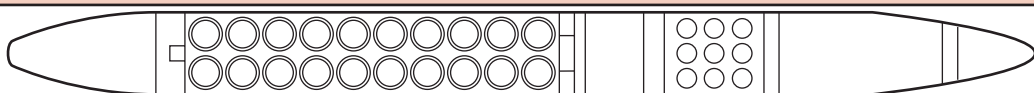




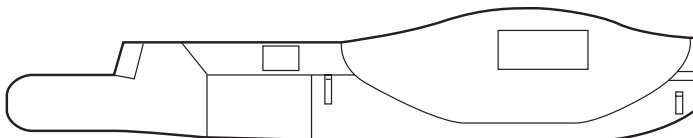
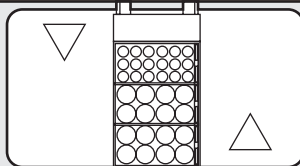
AIR TO GROUND WEAPONS - PODS

POD		TYPE	IMAGE	
AKAN		GUN		
MODEL		WEIGHT	PLATFORM	INFO
30/55		608 lbs 275.8 kg	AJS37	ADEN 30mm gun with 150 rounds.
POD		TYPE	IMAGE	
ALQ		ECM		
MODEL		WEIGHT	PLATFORM	INFO
131		672 lbs 304.8 kg	A-10A, A-10C, F-4E	Electronic countermeasures pod.
184		648 lbs 294 kg	A-10A, A-10C, F-16	

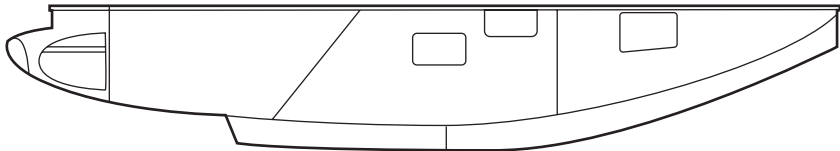
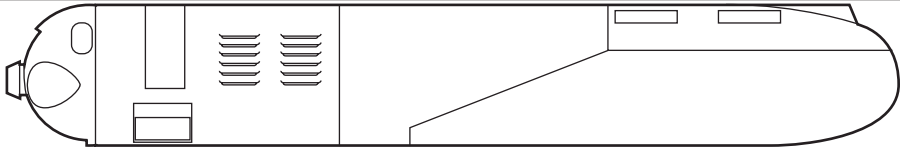
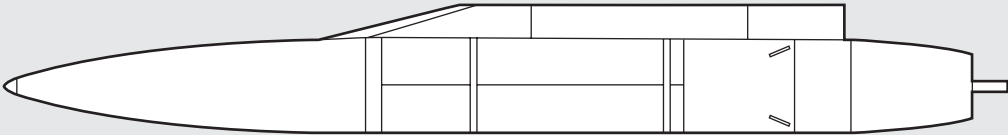
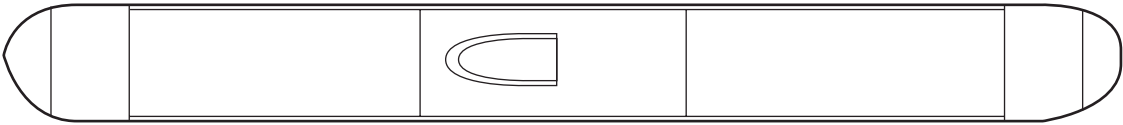
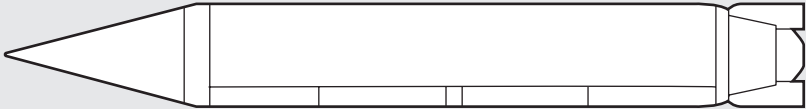
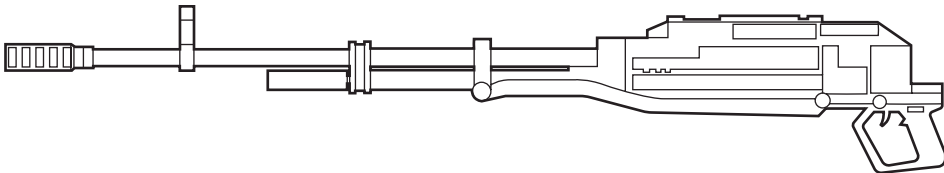
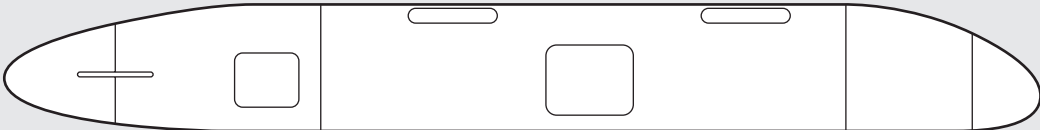
AIR TO GROUND WEAPONS - PODS

AIR TO GROUND WEAPONS - PODS			
POD	TYPE	IMAGE	
AN/AAQ	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
13 LANTIRN	754 lbs 342 kg	F-15E	NAVFLIR/TFR pod.
14 LANTIRN	754 lbs 342 kg	F-14A/B, F-15E	IR/Laser target spotting and marking pod.
28 LITENING	458 lbs 207.7 kg	A-10C, AV-8B, F-16, F/A-18C	
POD	TYPE	IMAGE	
AN/ALE	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
40		F-4E	Chaff and Flare dispensers.
POD	TYPE	IMAGE	
AN/ALQ	ECM ELINT		
MODEL	WEIGHT	PLATFORM	INFO
164 DECM	317 lbs 143.8 kg	AV-8B	ECM/ELINT pod.
POD	TYPE	IMAGE	
AN/ASQ	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
213 HTS	126 lbs 57 kg	F-16	HARM targeting pod. Used to locate SAM radar emitters.
228 ATFLIR	336 lbs 152.4 kg	F/A-18C	ATFLIR targeting pod.
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
MODEL	WEIGHT	PLATFORM	INFO
T50 TCTS	139 lbs 63 kg	A-10A, A-10C, A-4E, AV-8B, F-5E, F-14A/B, F-15C, F-16, F-18C	Recording/simulation pod.
POD	TYPE	IMAGE	
AN/AVQ	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
23		F-4E	Pave Spike Targeting Pod
POD	TYPE	IMAGE	
AN/AXQ	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
14 DATALINK	661 lbs 300 kg	F-15E	Data link pod.
POD	TYPE	IMAGE	
AN	GUN		
MODEL	WEIGHT	PLATFORM	INFO
M3	481 lbs 218.2 kg	C-101CC, MB-339	Browning .50 caliber machine guns.



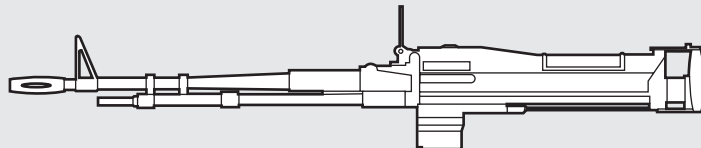
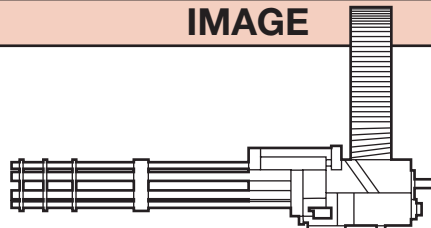
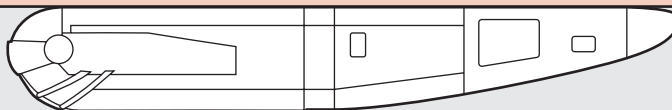
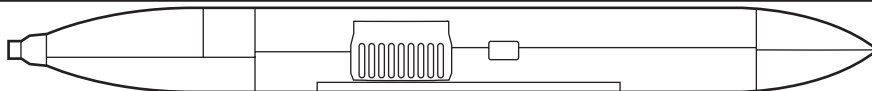
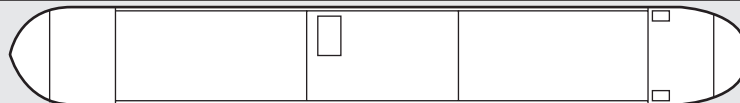
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
ASO	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
2	49 lbs 22.2 kg	MiG-21	Countermeasures pod.
POD	TYPE	IMAGE	
AWW	DATA LINK		
MODEL	WEIGHT	PLATFORM	INFO
13 DATALINK	752 lbs 341.1 kg	F/A-18C	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
BRD-4-250	PRACTICE BOMBS		
MODEL	WEIGHT	PLATFORM	INFO
MK-106	209 lb 95 kg	MB-339	5 lb practice bombs, 4 per pod.
MK-76	289 lb 131 kg		25 lb practice bombs, 4 per pod.
POD	TYPE	IMAGE	
CBU	SUB-MUNITION DISPENSER		
MODEL	WEIGHT	PLATFORM	INFO
1/A	Dependant on submunition	A-4E	Submunition dispenser.
POD	TYPE	IMAGE	
DATA-LINK	DATA LINK		
MODEL	WEIGHT	PLATFORM	INFO
2	651 lbs 295.3 kg	JF-17	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
DEFA	GUN	 DEFA 553 SHOWN	
MODEL	WEIGHT	PLATFORM	INFO
550	452 lbs 205 lbs	Mirage F1	30mm caliber rounds.
553	481 lbs 218.2 kg	C-101CC, MB-339	
POD	TYPE	IMAGE	
ECLAIR	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
	44 lbs 20 kg	M-2000C	Extended countermeasures pod. Replaced drag chute.

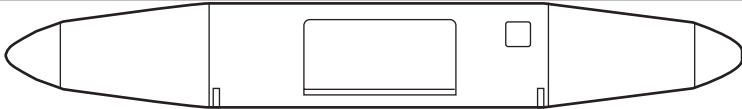
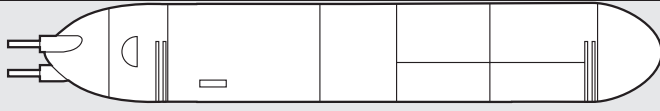
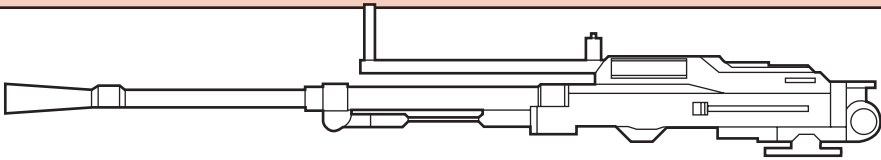
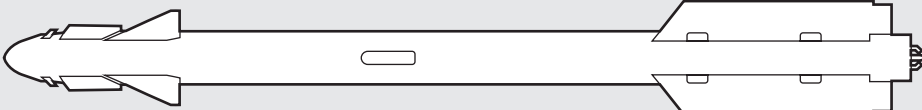
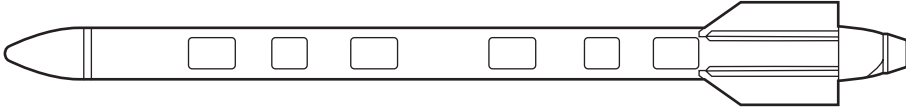


AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
GAU	GUN		
MODEL	WEIGHT	PLATFORM	INFO
12	626 lbs 284 kg	AV-8B	25mm gun pod.
POD	TYPE	IMAGE	
GUV	GUN		
MODEL	WEIGHT	PLATFORM	INFO
AP-30	604 lbs 274 kg	Mi-8, Mi-24P	30mm automatic grenade launcher
YakB GSHP	996 lbs 451.8 kg		2×7.62mm + 1×12.7mm machine gun pod.
POD	TYPE	IMAGE	
KB F/C	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
12	653 lbs 296.2 kg	AJS37	Countermeasure dispenser used in conjunction with U22 or U22/A.
POD	TYPE	IMAGE	
KG / SPJ	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
600	595 lbs 269.9 kg	JF-17	Self-protection jammer pod.
POD	TYPE	IMAGE	
KMGU	BOMB DISPENSER		
MODEL	WEIGHT	PLATFORM	INFO
2	Dependant on submunition	Ka-50, MiG-29, Su-25, Su-27, Su-33	Submunition dispenser pod.
POD	TYPE	IMAGE	
KORD	GUN		
MODEL	WEIGHT	PLATFORM	INFO
25	209 lbs 94.8 kg	Mi-8	12.7mm gun emplacement.
POD	TYPE	IMAGE	
L-081	ELINT		
MODEL	WEIGHT	PLATFORM	INFO
FANTASMAGORIA	662 lbs 300.3 kg	Su-25T	Electronic intelligence (ELINT) emission targeting for Kh-25MP/MPU and Kh-58U.

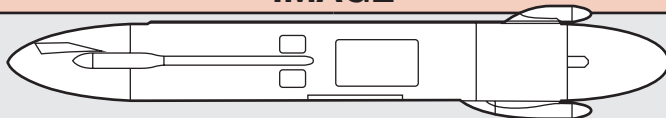
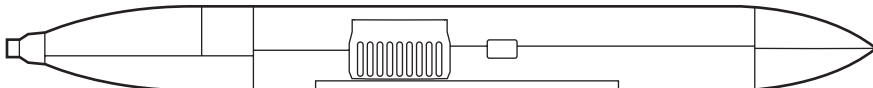


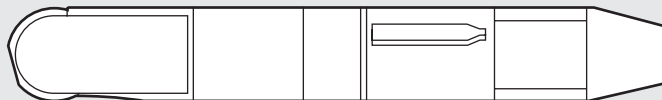
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
L005	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
SORBTSIYA	661 lbs 299.8 kg	J-11, Su-27, Su-33	Electronic countermeasures (ECM) pod.
POD	TYPE	IMAGE	
LUGGAGE	TRAVEL		
MODEL	WEIGHT	PLATFORM	INFO
	XXX lbs XXX kg	MB-339	Travel/cargo pod.
POD	TYPE	IMAGE	
M60	GUN		
MODEL	WEIGHT	PLATFORM	INFO
	311 lbs 141.1 kg	UH-1H	7.62mm M60 machine gun emplacement.
POD	TYPE	IMAGE	
M134	GUN		
MODEL	WEIGHT	PLATFORM	INFO
PYLON	322 lbs 146 kg	UH-1H	7.62mm Minigun emplacement with 6,400 rounds.
WINDOW	595 lbs 269.9 kg		
POD	TYPE	IMAGE	
MERCURY	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
	1,047 lbs 474.9 kg	Su-25T	Low-light television (LLTV) EO targeting for Kh-29T, KAB-500kr.
POD	TYPE	IMAGE	
MK4	GUN		
MODEL	WEIGHT	PLATFORM	INFO
HIPEG	1,349 lbs 611.9 kg	A-4E	20mm cannon. 750 rounds.
POD	TYPE	IMAGE	
MPS	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
410	871 lbs 398.1 kg	Su-25T	Electronic countermeasures (ECM) pod.

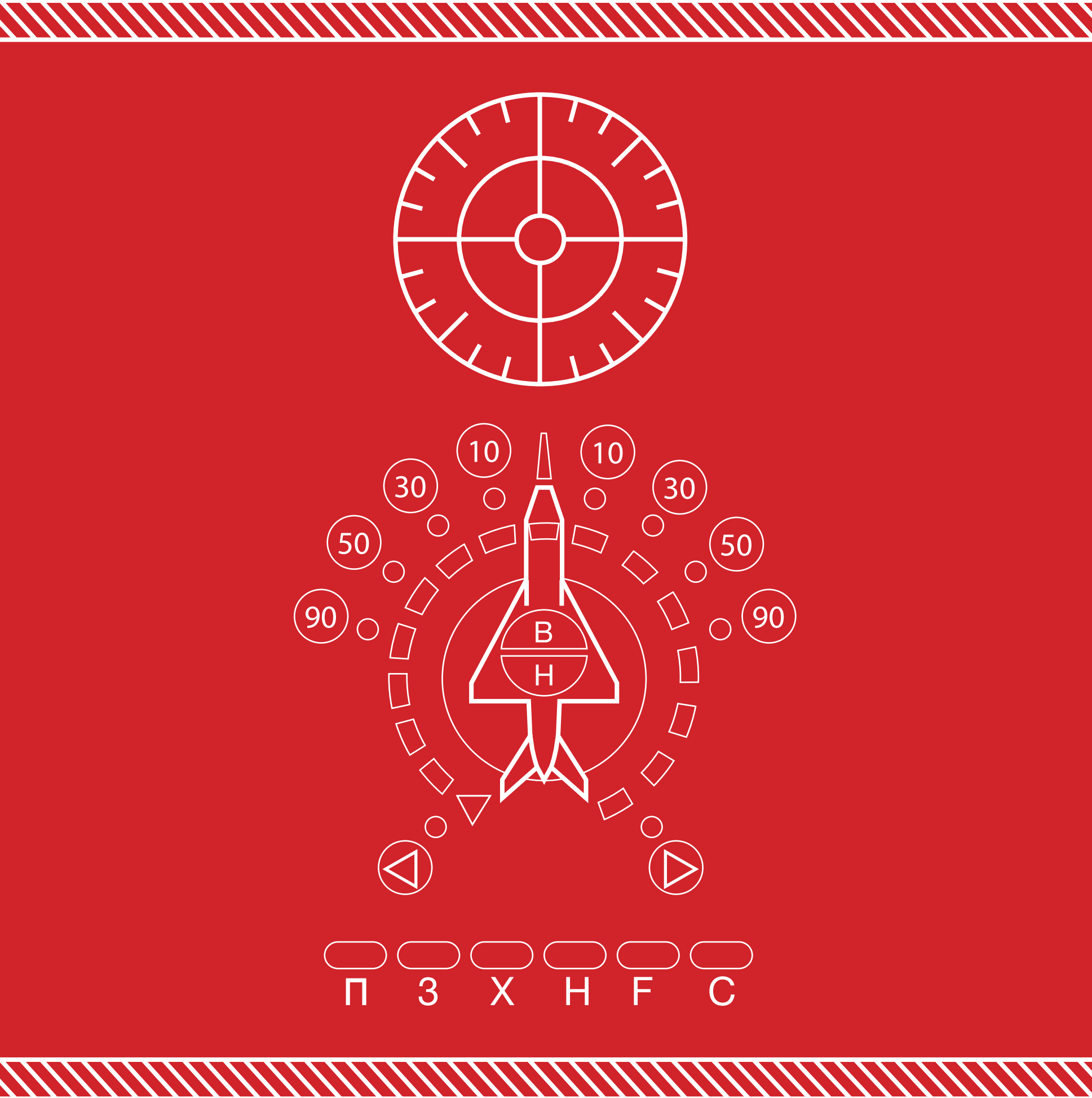
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
MXU	TRAVEL		
MODEL	WEIGHT	PLATFORM	INFO
648	662 lbs 300.3 kg	A-10C, F-5E, F-15E, F-16	Travel/cargo pod.
POD	TYPE	IMAGE	
PK	GUN		
MODEL	WEIGHT	PLATFORM	INFO
3	480 lbs 217.7 kg	L-39	3 7.62mm guns.
POD	TYPE	IMAGE	
PKT	GUN		
MODEL	WEIGHT	PLATFORM	INFO
	198 lbs 89.8 kg	Mi-8	7.62mm gun emplacement.
POD	TYPE	IMAGE	
SMOKE GENERATOR	SMOKE		
MODEL	WEIGHT	PLATFORM	INFO
	1,025 lbs 464.9 kg	JF-17, MiG-19P, MiG-29, Su-25, Su-27, Su-33	Smoke pod for wing tip pylons.
POD	TYPE	IMAGE	
SMOKE WINDER	SMOKE		
MODEL	WEIGHT	PLATFORM	INFO
	441 lbs 200 kg	A-10A, A-10C, A-4E, AV-8B, F-5E, F-14A/B, F-15C, M-2000C	Smoke pod for wing tip pylons.
POD	TYPE	IMAGE	
SPPU	GUN		
MODEL	WEIGHT	PLATFORM	INFO
22-1	1,179 lbs 534.8 kg	Su-25	Dual traversable 23mm GSh-23.
POD	TYPE	IMAGE	
SPRD	TAKE OFF		
MODEL	WEIGHT	PLATFORM	INFO
99	1,103 lbs 500.3 kg	MiG-21	Take-off assist rockets.

AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
SPS	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
141	331 lbs 150.1 kg	Su-25	Electronic countermeasures (ECM) pod with ASO countermeasures. ASO Pod cannot be used when equipped.
141-100		MiG-21	
POD	TYPE	IMAGE	
SUU	GUN		
MODEL	WEIGHT	PLATFORM	INFO
23		Ka-50, Mi-8, MiG-21	1,200 rounds per 20mm Gun pod.
POD	TYPE	IMAGE	
U22	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
/A	767 lbs 347.9 kg	AJS37	Electronic countermeasures (ECM) used in conjunction with KB F/C.
			ECM and ELINT gathering pod used in conjunction with KB F/C.
POD	TYPE	IMAGE	
UPK	GUN		
MODEL	WEIGHT	PLATFORM	INFO
23-250	481 lbs 218.2 kg	Ka-50, Mi-8, MiG-21	Dual GSh-23L 23mm gun pod.
POD	TYPE	IMAGE	
WMD7	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
99	651 lbs 295.3 kg	JF-17	IR/Laser target spotting and marking pod.

DEFENSIVE SYSTEMS



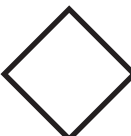
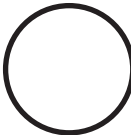


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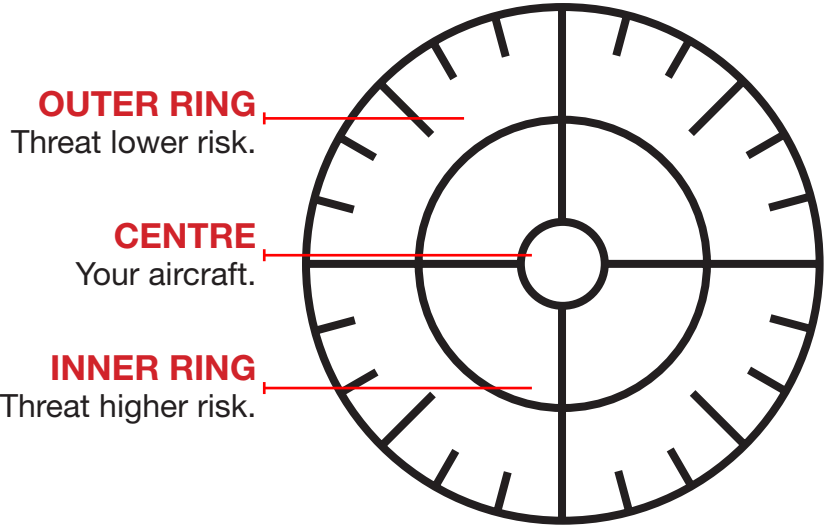
DEFENSIVE SYSTEMS

RADAR WARNING RECEIVER (RWR) SYMBOLISM

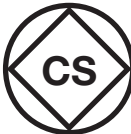

BLUFOR Threat Display - A-10, F-5, F-15, F-16, F-18

The BLUFOR RWR displays radar warning threats being received by your aircraft. Your aircraft is located in the very centre of these circles. The closer the threat is to the centre of the circle the greater the threat to you. The threats position around the circle represents approximately where that threat is coming from. The display does not convey distance to threat, only the greatest threat to you. If an **F** is shown in the centre, the RWR has failed.

-  **PRIMARY THREAT**
-  **THREAT IS TRACKING/LOCKED ON YOU**
-  **NEWEST THREAT DETECTED**
-  **AIRBORNE THREAT**



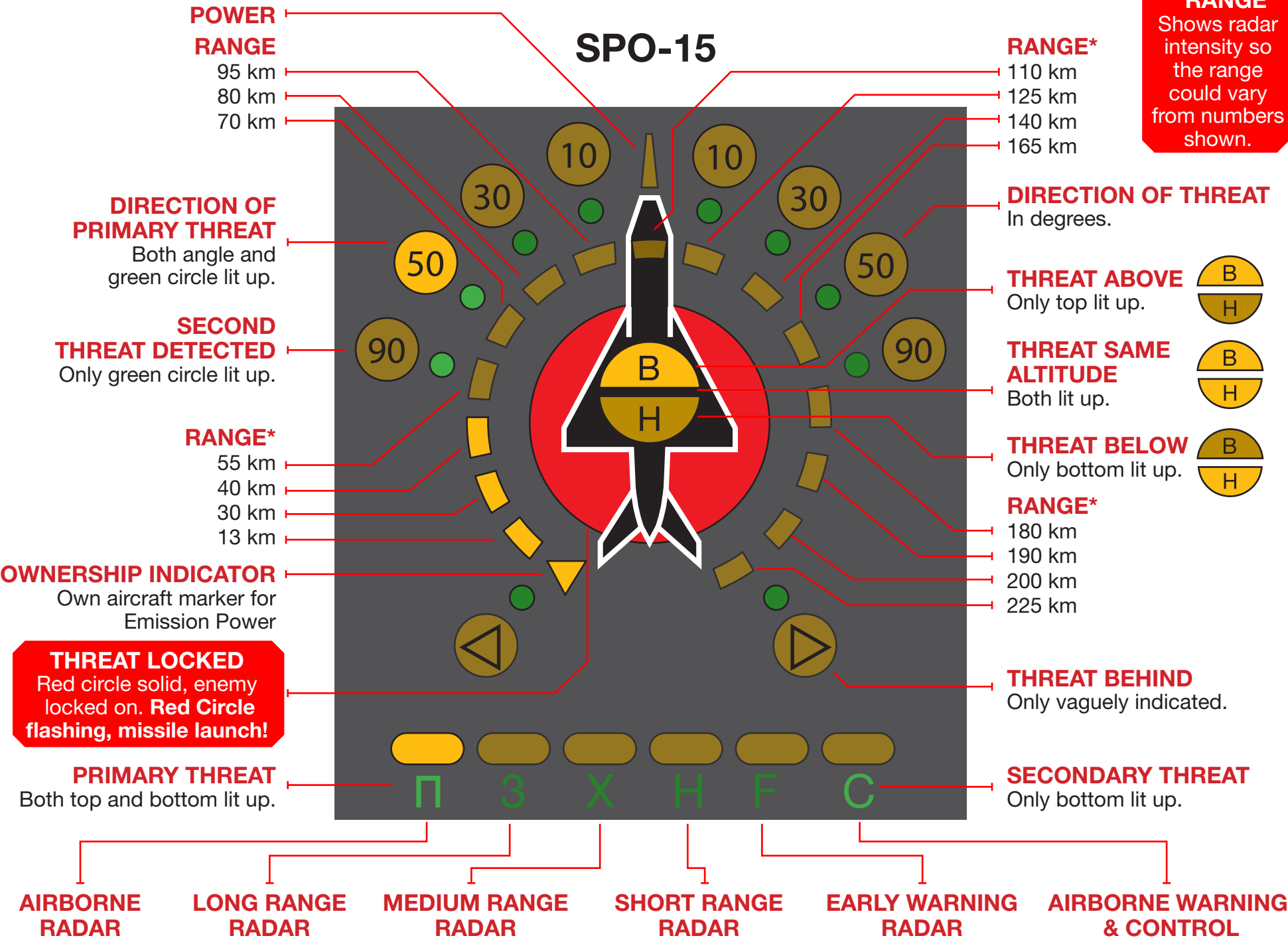
EXAMPLES:

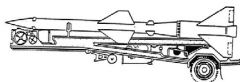


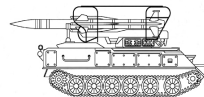
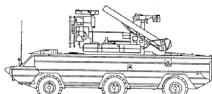
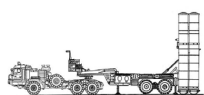
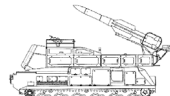

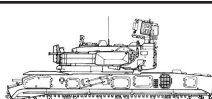
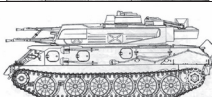
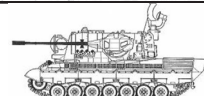
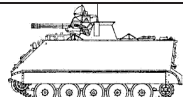
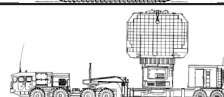
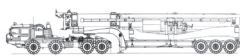
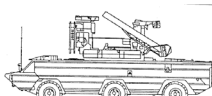
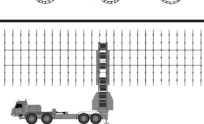

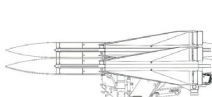



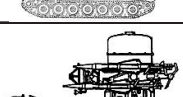
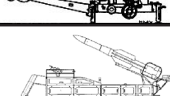
-  S-300 Clam Shell is tracking/locked on to you and is the primary threat.
-  SA-3 Flat Face is the newest threat detected but not the primary threat. It is not tracking you.

AUDIBLE WARNINGS

- SINGLE BEEP** - A new ground or sea based emitter has been detected.
- DOUBLE BEEP** - A new airborne emitter has been detected.
- REPEATING BEEP** - An emitter is tracking.
- FAST REPEATING BEEP** - An emitter is guiding a missile or is a missile.

REDFOR Threat Display - J-11, MiG-29, Su-25, Su-27, Su-33

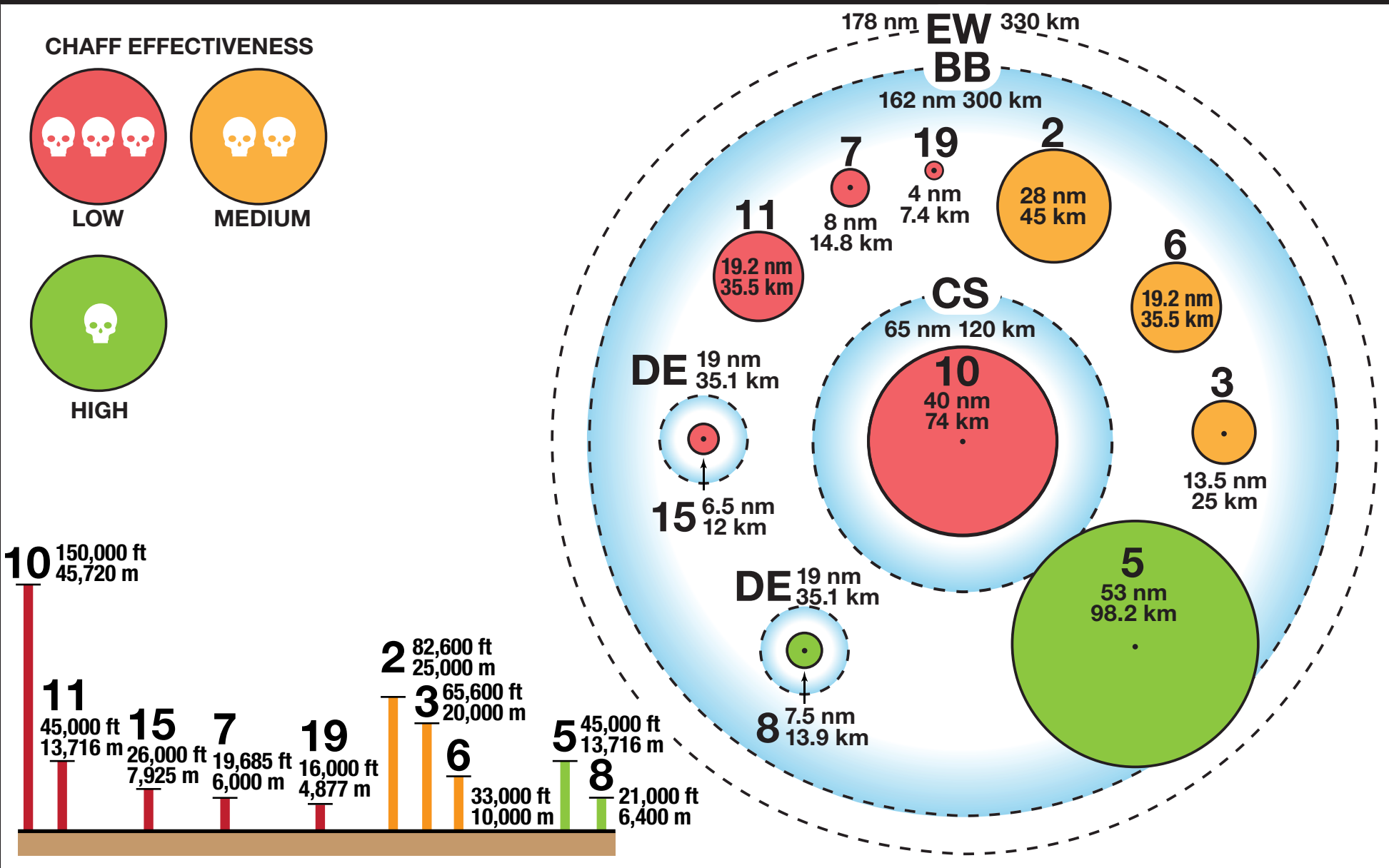


REDFOR		BLUFOR		RADAR GUIDED					☠☠☠ DEATH		☠☠ DANGER		☠ RISKY	
RWR	IMAGE	NAME	NATO	HARM ID & CLASS			MAX RNG	MAX ALT	DEFEAT		INFO			
2		Dvina	SA-2 Guideline	Track	126	2	28 nm 45 km	82,600 ft 25,000 m	☠	Chaff: Medium	1 per launcher			
				Search	129	2								
3		Neva	SA-3 Goa	Track	123	2	13.5 nm 25 km	65,600 ft 20,000 m	☠	Chaff: Medium	4 per launcher			
5		Dubna	SA-5 Gammon	Track	130	1	53 nm 98.2 km	45,000 ft 13,716 m		Chaff: High	1 per launcher			
				Search	122	2								
6		Kub	SA-6 Gainful	Search & Track	108	2	19.2 nm 35.5 km	33,000 ft 10,000 m	☠	Chaff: Medium	3 per TEL			
8		Osa	SA-8 Gecko	Track	117	2	7.5 nm 13.9 km	21,000 ft 6,400 m		Chaff: High	6 per vehicle			
10		S-300 PS	SA-10 Grumble	Track	110	1	40 nm 74 km	150,000 ft 45,720 m	☠☠☠	Chaff: None	4 per tel CAN SHOOT DOWN MISSILES			
11		Buk	SA-11 Gadfly	Track	115	1	19.2 nm 35.5 km	45,000 ft 13,716 m	☠☠☠	Chaff: None	4 per tel			
15		Tor	SA-15 Gauntlet	Track	119	1	6.5 nm 12 km	26,000 ft 7,925 m	☠☠☠	Chaff: None	7 per vehicle CAN SHOOT DOWN MISSILES			
19		Tunguska	SA-19 Grison	Track	120	3	8 nm 14.8 km	19,685 ft 6,000 m	☠☠☠	Chaff: Low	1936 rounds, 8 missiles CAN SHOOT DOWN MISSILES			
A		Shilka	Gun Dish	Radar	121	3	1.3 nm 2.4 km	6,500 ft 1,981 m	⬆️	High Speed & jink	2000 rounds			
A		Gepard		Radar	207	8	2 nm 3.7 km	9,500 ft 2,896 m	⬆️	High Speed & jink	660 rounds			
A		Vulcan		Radar	208	8	1.4 nm 2.6 km	4,500 ft 1,372 m	⬆️	High Speed & jink	2280 rounds			
BB		S-300 Big Bird	SA-10 Grumble	Surv	104	1	162 nm 300 km		☠☠☠	Chaff: None	CAN SHOOT DOWN MISSILES			
CS		S-300 Clam Shell	SA-10 Grumble	Search	103	1	65 nm 120 km		☠☠☠	Chaff: None	CAN SHOOT DOWN MISSILES			
DE		Sborka Dog Ear	SA-8/15 Gecko/Gauntlet	Search	109	3	19 nm 35.1 km			Chaff: High	CAN SHOOT DOWN MISSILES			
EW		Nebo	Search Radar								Target Search Radar			
FF S		Danube	SA-3 Goa	Track	122	2	13.5 nm 25 km	65,600 ft 20,000 m	☠	Chaff: Medium	4 per launcher			
HK		Hawk		Track	204	7	25.6 nm 47.4 km	45,000 ft 13,716 m	☠☠☠	Chaff: Low	3 per launcher			
				Search	203	7								
				CWAR	206	7								
NS		NASAMs		Track	209	6	8 nm 14.8 km		☠☠☠	Chaff: low	4 per launcher			
PT		Patriot		Track	202	6	86 nm 159 km	80,000 ft 24,384 m	☠☠☠	Chaff: low	4 per tel			
RO		Roland		Track	201	7	3.4 nm 6.2 km	19,500 ft 5,944 m	☠☠☠	Chaff: Low	10 per vehicle			
				Search	205	7								
RP/RT		Rapier		Track	125	7	4.6 nm 8.2 km	9,800 ft 3,000 m	☠	Chaff: Medium	4 per launcher			
				Search	124	7								
SD		Buk TAR	SA-11/17 Gadfly	Search	107	1	46 nm 85.2 km		☠☠☠	Chaff: None	Target Acquisition Radar			

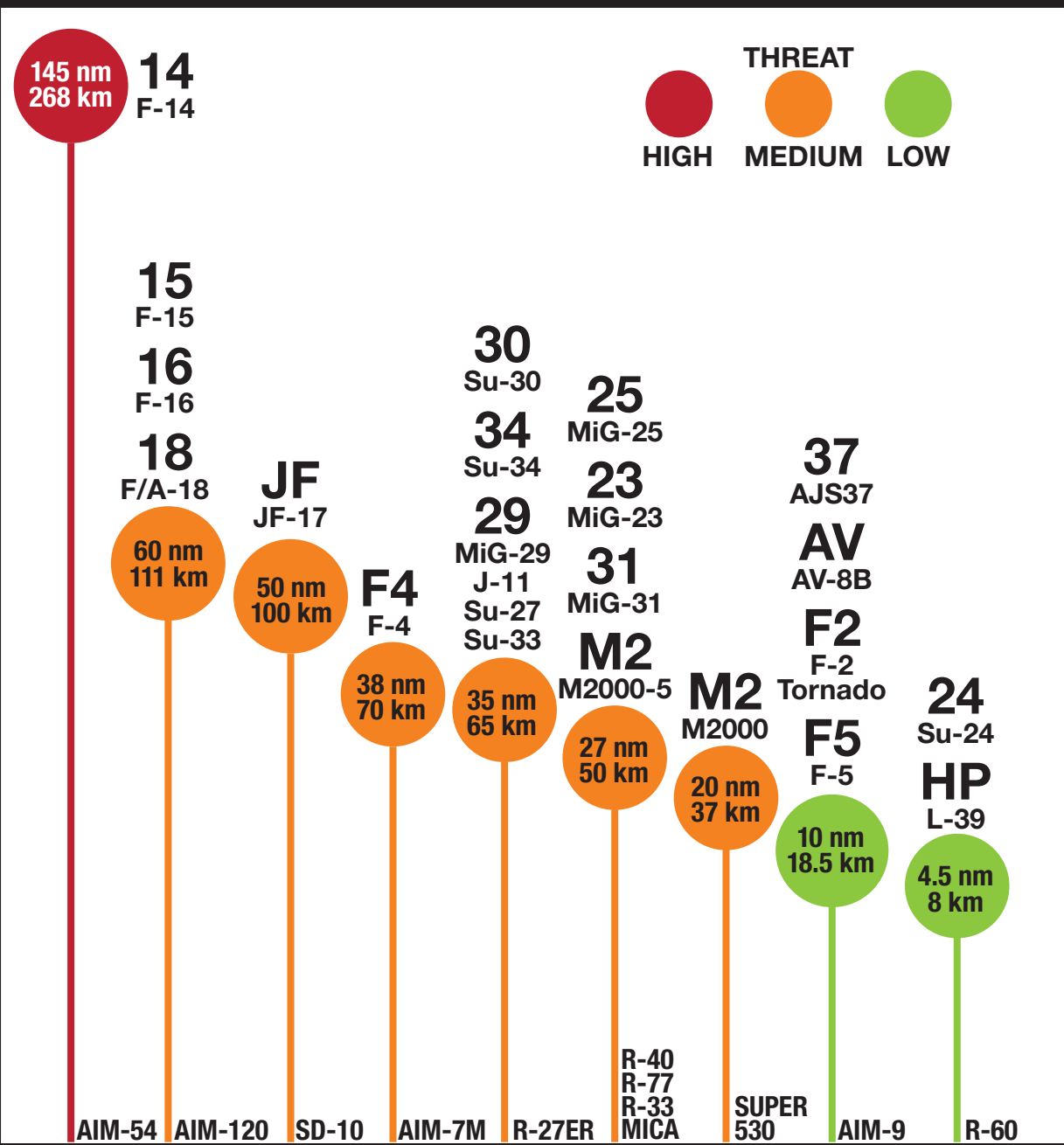
REDFOR		BLUFOR		RADAR GUIDED				DEATH		DANGER		RISKY	
RWR	IMAGE	NAME	NATO	HARM ID & CLASS			MAX RNG	MAX ALT	DEFEAT		INFO		
TS		S-200 Tin Shield	SA-5 Gammon	Search	130	1	81nm 150 km			Chaff: High	Target Search Radar		
INFRARED GUIDED													
RWR	IMAGE	NAME	CODE	HARM ID & CLASS			MAX RNG	MAX ALT	DEFEAT		INFO		
7		HQ-7	Red Flag Red Banner	Track	127	1	4 nm	16,000 ft	☠	Chaff: Low	4 per launcher		
				Search	128	1	7.4 km	4,877 m					
13		Strela-10	SA-13 Gopher	Track	118	2	2.8 nm 5.2 km	15,000 ft 4,572 m	☠	Flare: Medium	4 per vehicle		
		Igla	SA-18 Grouse				2.5 nm 4.6 km	12,000 ft 3,658 m		Flare: High	3 (1 per launcher)		
ANTI-AIRCRAFT ARTILLERY													
RWR	IMAGE	NAME	CODE	HARM ID & CLASS			MAX RNG	MAX ALT	DEFEAT		INFO		
		ZU-23 Sergey					1.3 nm 2.4 km	6,500 ft 1,981 m	🔫	High Speed & jink	100 rounds		
		ZSU-57-2 Sparka					2 nm 3.7 km	14,000 ft 4,267 m	🔫	High Speed & jink	254 rounds		
NAVAL													
RWR	IMAGE	NAME	NATO	HARM ID & CLASS			MAX RNG	MAX ALT	DEFEAT		INFO		
49		Oliver Hazard Perry	SM-2	Radar	401	10			☠	Chaff: Low	40x missiles		
AE		Ticonderoga		Radar	315	10			☠	Chaff: Low	2x 61 Cell Mk41 VLS		
		Arleigh Burke		Radar	412	10			☠	Chaff: Low	96 Cell Mk41 VLS		
HN		Kirov Cruiser	SA-N-6 Grumble	Radar	313	5	40 nm 74 km	150,000 ft 45,720 m	☠	Chaff: Medium	96x SA-N-6 40x SA-N-9		
			SA-N-9 Gauntlet				6.5 nm 12 km	26,000 ft 7,925 m	☠	Flare: Medium			
			Type 052C	HQ-9	Radar	410	5	40 nm 74 km	150,000 ft 45,720 m	☠	Chaff: Low	48 missiles	
HP		Grisha Corvette	SA-N-4 Gecko	Radar	306	5	7.5 nm 13.9 km	21,000 ft 6,401 m	☠	Chaff: Medium	20x SA-N-4		
MR		Type 54A	HQ-16	Radar	411	5	19.2 nm	45,000 ft	☠	Chaff: Low	1x 32 Cell VLS		
		Type 052B		Radar	409	5	35.5 km	13,716 m	☠	Chaff: Low	48 HQ-16		
SW		Kuznetsov	SA-N-9 Gauntlet	Radar	301 320	5	6.5 nm 12 km	26,000 ft 7,925 m	☠	Flare: Medium			
SS		CVN	RIM-7	Radar	402 403 404 405 406 413	10			☠	Chaff: Low			
T2		Slava Cruiser	SA-N-6 Grumble	Radar	303	5	40 nm 74 km	150,000 ft 45,720 m	☠	Chaff: Medium	64x SA-N-6 40x SA-N-4		
			SA-N-4 Gecko				7.5 nm 13.9 km	21,000 ft 6,401 m	☠	Chaff: Medium			
TP		Krivak Frigate Top Plate	SA-N-4 Gecko	Radar	309	5	7.5 nm 13.9 km	21,000 ft 6,401 m	☠	Chaff: Medium	40x SA-N-4		

<div> <div>REDFOR</div> <div>BLUFOR</div> </div>		AIRCRAFT		<div> <div>HIGH</div> <div>MEDIUM</div> <div>LOW</div> <div>NONE</div> </div>	
RWR	NAME	MAX WEAPON RNG	MAX ALT	THREAT	INFO
11	F-111		66,000 FT		Bomber
13	C-130		33,000 FT		Transport
14	F-14	145 nm 268.5 km	53,000 FT		Fighter
15	F-15	60 nm 111 km	58,000 FT		
16	F-16		59,000 FT		
17	C-17		45,000 FT		Transport
18	F/A-18	60 nm 111 km	69,800 FT		Fighter
19	MiG-19	4 nm 7 km	57,000 FT		
21	MiG-21	9.2 nm 17 km	61,000 FT		
22	Tu-22		43,600 FT		Bomber
23	MiG-23	27 nm 50 km	60,000 FT		Fighter
24	Su-24	4.5 nm 8 km	36,000 FT		Bomber
25	MiG-25	43 nm 80 km	67,900 FT		Fighter
29	MiG-29, J-11, Su-27, Su-33	35 nm 65 km	60,000 FT		
30	Su-30	35 nm 65 km	56,800 FT		
31	MiG-31	162 nm 300 km	82,000 FT		Bomber
34	Su-34	35 nm 65 km	56,000 FT		
37	AJS37	10 nm 18.5 km	65,000 FT		Ground Attack
39	Su-39, Su-25	4.5 nm 8 km	23,000 FT		
50	A-50, KJ-2000		39,000 FT		AWACS
52	B-52		50,000 FT		Bomber
76	IL-76		43,000 FT		Transport
78	IL-78		39,000 FT		
95	Tu-95		45,000 FT		Bomber
AN	An-26, An-30		25,000 FT		Transport
AV	AV-8B	10 nm 18.5 km	20,000 FT		Ground Attack
B1	B-1		60,000 FT		Bomber
BJ	Tu-160		52,000 FT		
E2	E-2		34,700 FT		AWACS
E3	E-3		29,000 FT		
E6	EA-6B		37,600 FT		EW Aircraft
F2	F-2, Tornado GR4	10 nm 18.5 km	50,000 FT		Fighter/Bomber
F4	F-4	38 nm 70 km	60,000 FT		Fighter
F5	F-5	10 nm 18.5 km	54,000 FT		
HP	L-39 Albatros	4.5 nm 8 km	37,729 FT		Light Fighter
JF	JF-17	50 nm 100 km	55,500 FT		Fighter
KC	KC-130, KC-135		50,000 FT		Tanker
M2	M-2000, M-2000-5	20 nm 37 km 27 nm 50 km	59,000 FT		Fighter
S3	S-3		40,900 FT		Tanker
Tu	Tu-142		39,000 FT		Bomber
U	Unknown				

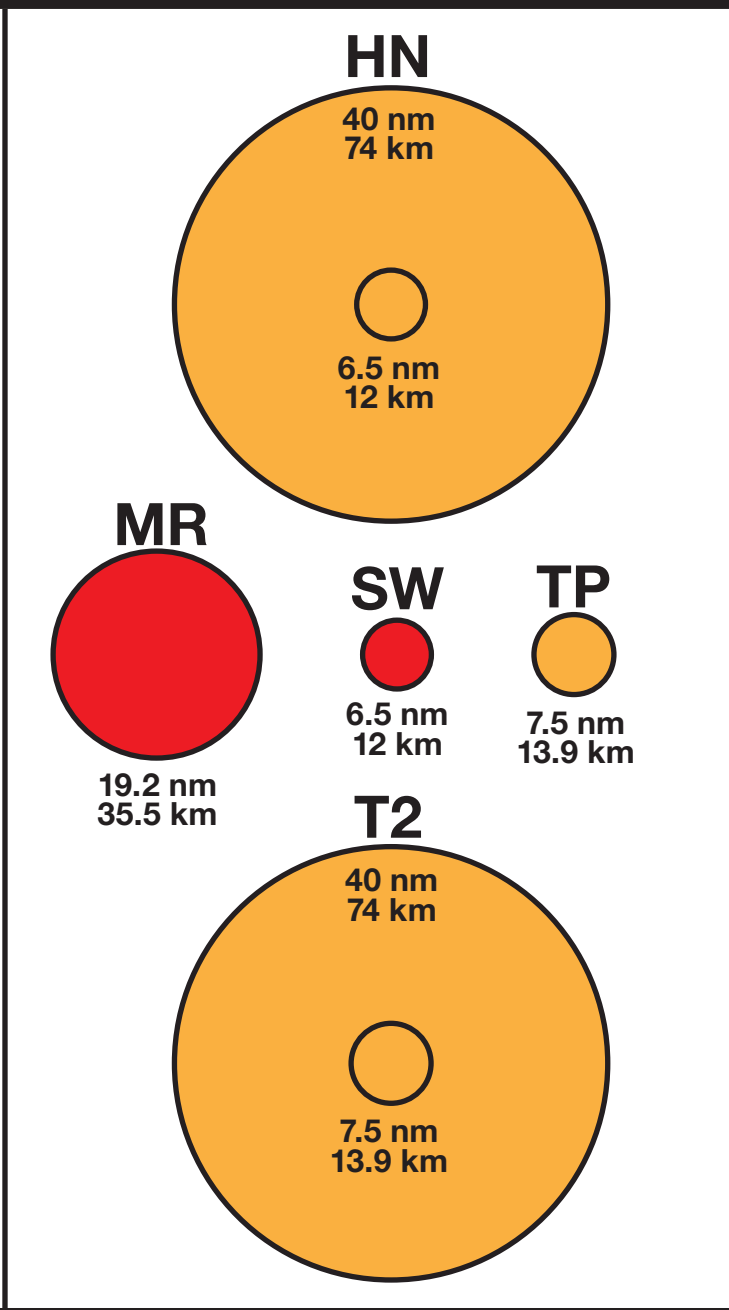
REDFOR SAM RADAR RANGES & ALTITUDES



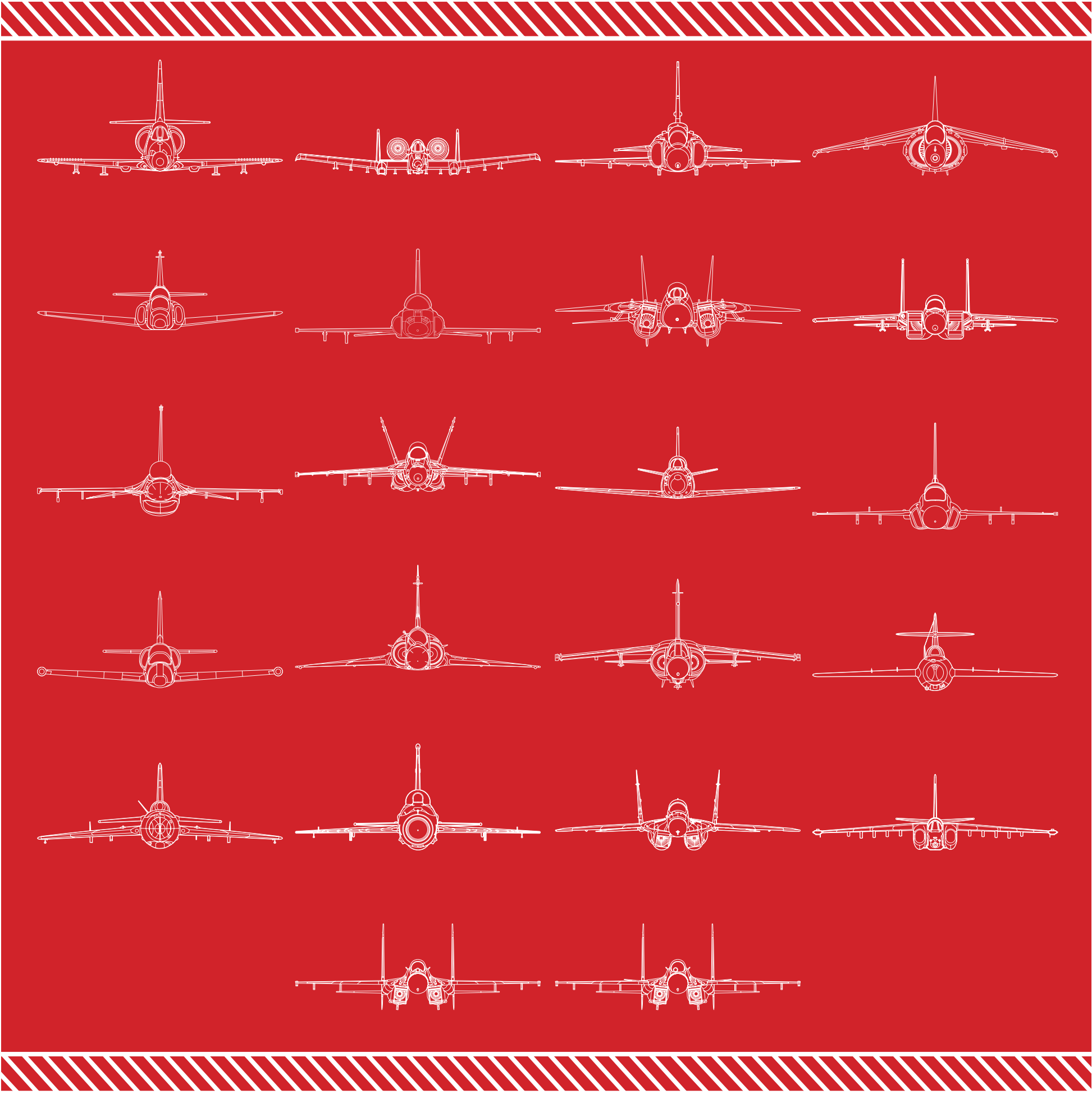
AIRCRAFT RWR WEAPON RANGES



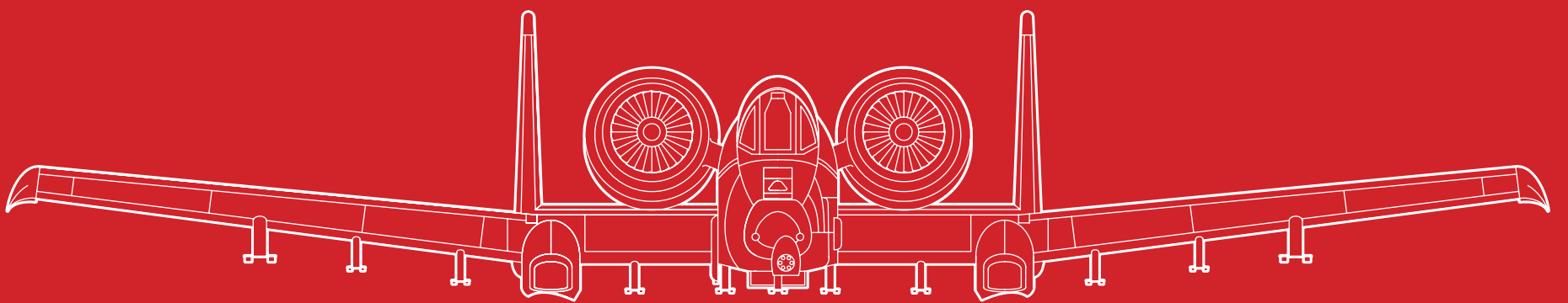
NAVAL SAM RADAR RANGES



AIRCRAFT QUICK REFERENCE



AIRCRAFT QUICK REFERENCE



A-10 A / C / CII
WARTHOG



05/30/24

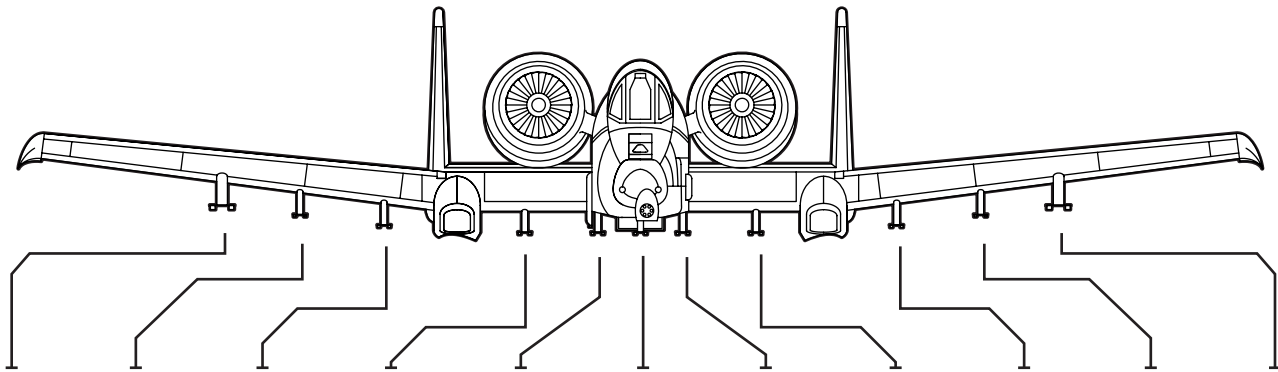
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A-10 A / C / CII WARTHOG

WEIGHT	CLEAN	25,629 LBS
	MAX	46,476 LBS
TAKE OFF	CLEAN	120 KTS
	LOADED*	135 KTS
LANDING	FLAPS	200 KTS
	GEAR	185 KTS
	GROUND	150 KTS
TOP SPEED		450 KTS
MAX ALTITUDE		45,000 FT
MAX RANGE	COMBAT	252 NM
	FERRY	2,240 NM
MAX G		+7.3G -3G
MAX TURN RATE	CLEAN	215 KTS
GUN	1,150 ROUNDS	
COUNTER MEASURES	C:240 F:240	

WEAPONS
AVAILABLE
ON STATION

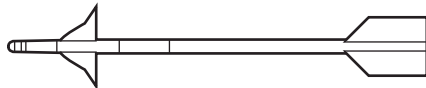
1 ●
2 ●
3 ○

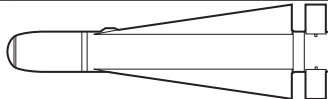


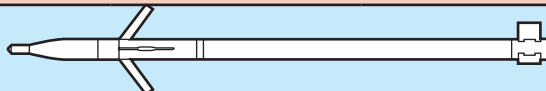
STATION			11	10	9	8	7	6	5	4	3	2	1
AIR TO AIR MISSILES	AIM-9	L	●●										●●
		M	●●										●●
		P	●●										●●
		P5	●●										●●
AIR TO GROUND MISSILES	AGM-65	D			●●○						○●●		
		G			●						●		
		H			●●○						○●●		
		K			●						●		
		L			●						●		
	AGR-20	M151		●	●○	●○				○●	○●	●	
		M282		●	●○	●○				○●	○●	●	
ROCKETS	HYDRA	M151		●	●○	●○				○●	○●	●	
		M156		●	●○	●○				○●	○●	●	
		M257		●	●○	●○				○●	○●	●	
		M274		●	●○	●○				○●	○●	●	
		MK1		●	●○	●○				○●	○●	●	
		MK5		●	●○	●○				○●	○●	●	
		MK61		●	●○	●○				○●	○●	●	
		WTU-1/8		●	●○	●○				○●	○●	●	
BOMBS	BDU	33			○	○	○	○	○	○	○		
		50HD	●	●	●	●	●	●	●	●	●	●	●
		50LD	●	●	●	●	●	●	●	●	●	●	●
		50LGB	●	●	●	●	●	●	●	●	●	●	●
	CBU	87 CEM	●	●	●	●	●	●	●	●	●	●	●
		97 SFW	●	●	●	●	●	●	●	●	●	●	●
		103			●	●	●	●	●	●	●		
		105			●	●	●	●	●	●	●		
	GBU	10			●	●	●	●	●	●	●		
		12	●	●	●○	●○	●○	●	○●	○●	○●	●	●
		31(V)1/B			●	●	●	●	●	●	●		
		31(V)3/B			●	●	●	●	●	●	●		
		38			●	●	●	●	●	●	●		
		54			●	●	●	●	●	●	●		
	LUU	2		●	●						●	●	
	MK	20	●		●	●	●	●	●	●	●		●
		82	●		●○	●○	●	●	●	○●	○●		●
		82 AIR	●		●○	●○	●	●	●	○●	○●		●
		84			●	●	●	●	●	●	●		
PODS	ALQ	131	●										●
		184	●										●
	AN/AAQ	28 LITENING		●								●	
	AN/ASQ	T50 TCTS	●										●
	MXU	648			●	●				●	●		
	SMOKE WINDER		●										●
FUEL TANK		FT600				●		●		●			

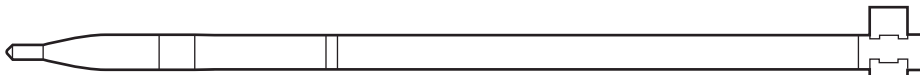
NEVER USE FUEL TANK IN COMBAT AS IT IS UNARMORED AND HAS NO SELF-SEALING CAPABILITY.

Available on all Available on A-10C and A-10C II only Available on A-10A only Available on A-10C II only

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 11	L	10 nm 18.5 km	ALL	1-4	1977	9G launch capable, CM resistant.	
	M				1982	Improved slightly over L.	
	P		REAR		1975	Improved over B.	
	P5		LMT FRONT			Improved over P.	

AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
AGM-65	AIR TO SURFACE					MAVERICK	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 9	D	8 nm 15 km	ANTI-ARMOR	1-6	1975	Infrared Seeker. Shaped charge.	
	G	15 nm 27 km	HARD TARGET	1-2		Infrared Seeker. Penetrating blast fragmentation.	
	H	5 nm 9 km	ANTI-ARMOR	1-6		Electro-Optical TV. Shaped charge.	
	K		HARD TARGET, SHIP	1-2	1986		
	L		HARD TARGET, SHIP				

WEAPON	TYPE	IMAGE				NAME	
AGR-20	LASER HOMING					APKWS	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 4, 8, 9, 10	M151	6 nm 11 km	SOFT TARGET	7, 14, 21, 28, 35, 42, 63, 84	2008	High explosive 10 pounder	
	M282		HARD TARGET			Multipurpose penetrator warhead.	





AIR TO GROUND - ROCKETS						
WEAPON	SIZE	IMAGE				
HYDRA	2.75 in 70 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 4, 8, 9, 10	M151	SOFT TARGET	LAU-68/131	7, 14, 21, 28, 35, 42	High Explosive.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	M156	TARGET MARKING	LAU-68/131	7, 14, 21, 28, 35, 42	White phosphorus.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	M257		LAU-68/131	7, 14, 21, 28, 35, 42	Parachute illumination.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	M274		LAU-68/131	7, 14, 21, 28, 35, 42	Parachute smoke.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	MK1	SOFT TARGET	LAU-68/131	7, 14, 21, 28, 35, 42	Unarmored targets. Blast fragmentation.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	MK5	HARD TARGET	LAU-68/131	7, 14, 21, 28, 35, 42	High explosive Anti-Tank warhead.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	MK61	TARGET MARKING	LAU-68/131	7, 14, 21, 28, 35, 42	Smoke.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		
	WTU-1/8	PRACTICE TARGET	LAU-68/131	7, 14, 21, 28, 35, 42	Inert warhead for training purposes.	
			BRU-42	7, 14, 21, 28, 35, 42, 63, 84, 105, 126		

Available on all

Available on A-10C and A-10C II only

Available on A-10A only

Available on A-10C II only


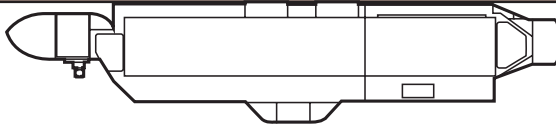
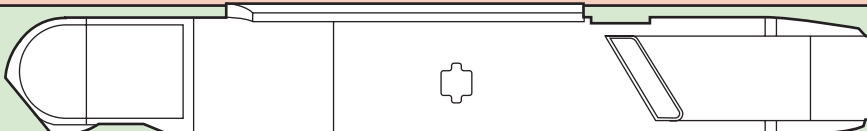
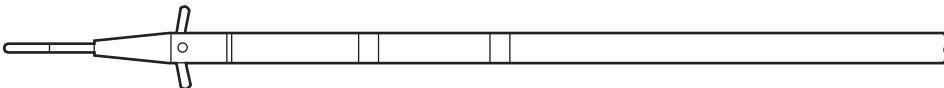
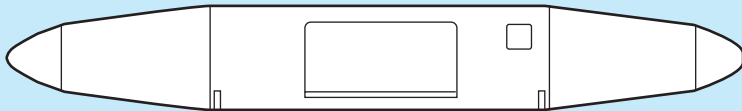
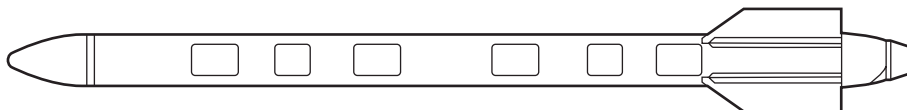

AIR TO GROUND - BOMBS							
WEAPON	TYPE	IMAGE					
BDU	TRAINING						
STATION	VERSION	TARGET	WEIGHT	QTY		INFO	
3, 4, 5, 6, 7, 8, 9	33	TRAINING TARGET	25 lbs 11.3 kg	3, 6, 9, 12, 15, 18, 21		Training smoke.	
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	50HD		500 lbs 226.8 kg	1-11	Training smoke. Mk-82 AIR.		
	50LD				Training smoke. Mk-82.		
	50LGB				Training smoke. GBU-12.		
WEAPON	TYPE	IMAGE					
CBU	CLUSTER						
STATION	VERSION	TARGET	WEIGHT	QTY		INFO	
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	87 CEM	SOFT TARGET	950 lbs 431 kg	1-11		High-explosive, high-drag.	
	97 SFW	HARD TARGET	1000 lbs 453.6 kg			High-drag.	
3, 4, 5, 7, 8, 9	103	SOFT TARGET	950 lbs 431 kg	1-6		INS-guided, wind-corrected CBU-87.	
	105	HARD TARGET	1000 lbs 453.6 kg			INS-guided, wind-corrected CBU-97.	
WEAPON	TYPE	IMAGE					
GBU	GUIDED						
STATION	VERSION	TARGET	WEIGHT	QTY		INFO	
3, 4, 5, 6, 7, 8, 9	10	HARD STRUCTURE	2,000 lbs 907.2 kg	1-7		Laser guided Mk-84.	
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-23		Laser guided Mk-82.	
3, 4, 5, 7, 8, 9	31(V)1/B	HARD STRUCTURE	2,000 lbs 907.2 kg	1-6		INS guided Mk-84.	
	31(V)3/B					INS guided BLU-109 hardened penetration.	
	38	MEDIUM STRUCTURE	500 lbs 226.8 kg			INS guided Mk-82.	
	54					Dual guidance Mk-82.	
WEAPON	TYPE	IMAGE					
LUU	ILLUMINATION FLARE						
STATION	VERSION	TARGET	WEIGHT	QTY		INFO	
2, 3, 9, 10	2	TARGET MARKING	30 lbs 13.6 kg	2	4	Illuminating targets.	

Available on all

Available on A-10C and A-10C II only

Available on A-10A only

Available on A-10C II only

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 3, 4, 5, 6, 7, 8, 9, 11	20	HARD TARGET	222.3 lbs 490 kg	1-9	High-drag HEAT.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-17	High-explosive, low-drag.
	82 AIR				Mk-82 with high-drag ballute kit.
3, 4, 5, 6, 7, 8, 9	84	HARD STRUCTURE	2000 lbs 907.2 kg	1-7	High-explosive, low-drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
ALQ	ECM				
STATION	VERSION	WEIGHT	INFO		
1, 11	131	672 lbs 304.8 kg	Electronic countermeasures pod.		
	184	474 lbs 215 kg			
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
3, 10	28 LITENING	458 lbs 207.7 kg	IR/Laser target spotting and marking pod.		
POD	TYPE	IMAGE			
AN/ASQ	TRAINING				
STATION	VERSION	WEIGHT	INFO		
1, 11	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.		
POD	TYPE	IMAGE			
MXU	TRAVEL				
STATION	VERSION	WEIGHT	INFO		
3, 4, 8, 9	648	662 lbs 300.3 kg	Travel/cargo pod.		
POD	TYPE	IMAGE			
SMOKEWINDER	SMOKE				
STATION	VERSION	WEIGHT	INFO		
1, 11		441 lbs 200 kg	Smoke pod for wing tip pylons.		
FUEL TANKS					
TANK	STATION	WEIGHT	IMAGE		
FT600	4, 6, 8	242 lbs 109.7 kg			

HOTAS

SOI	TMS								DMS							
	FORWARD		AFT		LEFT		RIGHT		FORWARD		AFT		LEFT		RIGHT	
	SHORT	LONG	SHORT	LONG	SHORT	LONG	SHORT	LONG	SHORT	LONG	SHORT	LONG	SHORT	LONG	SHORT	LONG
TAD	HOOK SYMB	HOOK SPI	UN HOOK SYMB	RESET SPI TO STEER POINT	ACK W/C/N	SPI BROAD CAST	MARK AT SOI	MAKE LAST MARK POINT SPI	SCALE -	QUICK TOG	SCALE +	CENTRE OPT	CENTRE OWN	HMD OFF	CYCLE CENTRE	TGP TO HMCS
HMCS									BRIGHTNESS -		BRIGHTNESS +		VIDEO HMD		PROF	
TGP	AREA / POINT	MAKE SPI	FLIR FOCUS						ZOOM +		ZOOM -				GUN TOGGLE	
HUD			GND STAB						IFFCC	NEXT STEER POINT		PREVIOUS STEER POINT				
A/A			SCAN						BREAK LOCK	UP		DOWN			LEFT	RIGHT
MAV	TRACK	GND STAB	GYRO STAB									MAV TO HMCS				

SOI	BOAT			CHINA				COOLIE						
	FOR	AFT	CENTRE	FORWARD		AFT		UP	DOWN		LEFT		RIGHT	
	SHORT	SHORT	SHORT	SHORT	LONG	SHORT	LONG	SHORT	SHORT	LONG	SHORT	LONG	SHORT	LONG
TAD	TGP FLIR BLACK HOT	TGP FLIR WHITE HOT	TGP CCD	FOV TOG	SLAVE ALL TO SPI	RESET	SLAVE TGP TO SPI	HUD SOI	HMCS SOI	DSMS STATUS	CYCLE LEFT MFCD	LEFT MFCD SOI	CYCLE RIGHT MFCD	RIGHT MFCD SOI
HMCS				FOV CHG		LSS TOG								
TGP				MAV VID		RESET								
HUD				UN CAGE		RE CAGE								
A/A														
MAV	DARK COLD	LIGHT COLD	BR FOR CORRE	FOV CHG										

SOI	CMS								PINKY		
	FORWARD		AFT		LEFT	RIGHT	DEPRESS		FORWARD	AFT	CENTRE
	SHORT	LONG	SHORT	LONG	SHORT	SHORT	SHORT	LONG			
ALL	1 FLARE	NEXT PROG	1 CHAFF	PREV PROG	6 FLARES	6 CHAFF	ACT / DEACT PROGRAM	ACT / DEACT PROGRAM	LIGHTS TO DIM	EXT LIGHTS PER PANEL	BLACK OUT ALL

SOI	MIC				SPEED BRAKE			NOSE WHEEL STEERING	
	FORWARD	AFT	UP	DOWN	FORWARD	AFT	CENTRE	GROUND	ENGAGE / DISENGAGE NWS
								AIR	LASER/IR POINTER FIRE
ALL	TRANSMIT FRT RADIO	TRANSMIT AFT RADIO	NO TRANSMIT	UHF	RETRACT BRAKE	EXTEND BRAKE	HOLD BRAKE	AIR TO AIR REFUELING	DISCONNECT / RESET

IMAGE BASED VERSION

The full sized image of this can be found on this [website](#) to download.

AIRCRAFT QUICK REFERENCE



A-4E
SKYHAWK



05/30/24

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A-4E SKYHAWK

WEIGHT	CLEAN	11,589 LBS
	MAX	24,500 LBS
TAKE OFF	CLEAN	120 KTS
	LOADED	133 KTS
LANDING	FLAPS	225 KTS
	GEAR	225 KTS
	GROUND	130 KTS
TOP SPEED		586 KTS
MAX ALTITUDE		42,250 FT
MAX RANGE	COMBAT	1,000 NM
	FERRY	2,150 NM
MAX G		+8G
GUN	200 ROUNDS	
COUNTER MEASURES	CHAFF	30
	FLARE	30

* WEIGHT MUST BE LESS THAN 20,500 LBS

WEAPONS AVAILABLE ON STATION

1 ●

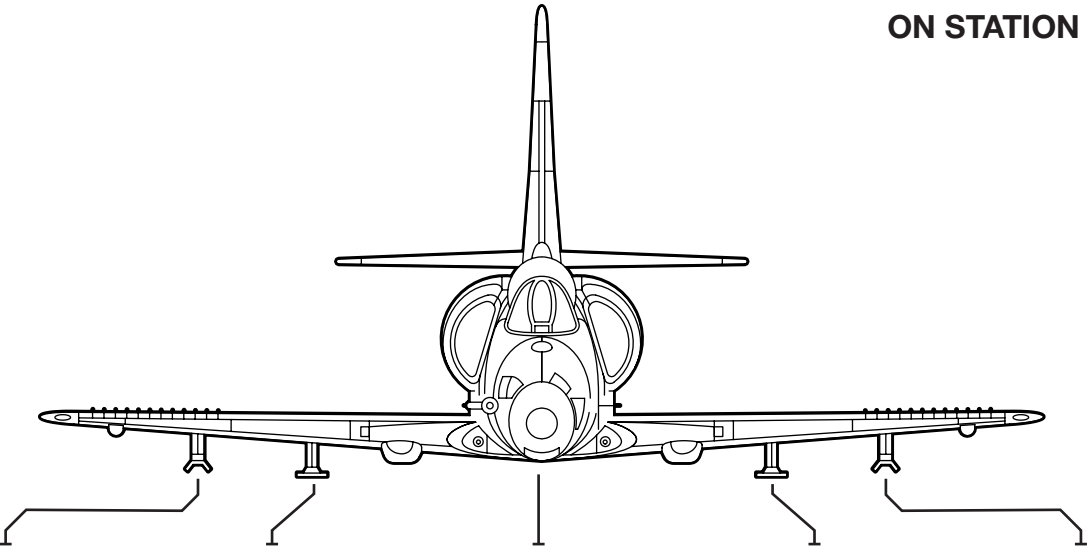
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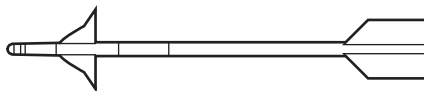
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5 ●


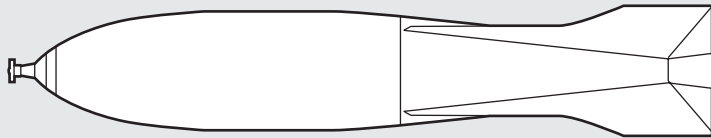


6 ●



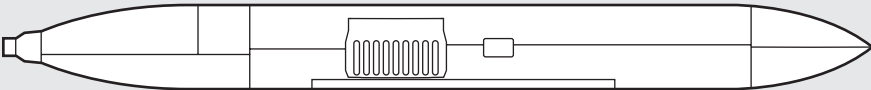
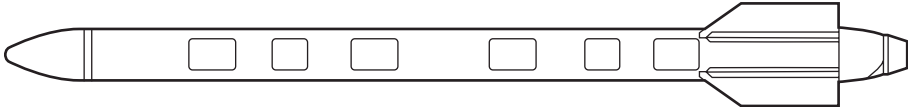
STATION			5	4	3	2	1
AIR TO AIR MISSILES	AIM-9	B	●	●		●	●
		P	●	●		●	●
		P5	●	●		●	●
AIR TO GROUND MISSILES	AGM-45	A	●	●		●	●
ROCKETS	FFAR	M156	●	●●	●●○	●●	●
		MK1	●	●●	●●○	●●	●
		MK5	●	●●	●●○	●●	●
	HYDRA	M257	●				●
		MK5			●		
	ZUNI	MK71	●	●●	●●○	●●	●
BOMBS	AN	M30A1	●	●	●	●	●
		M57	●	●●	●●	●●	●
		M64	●	●	●	●	●
		M65		●	●	●	
		M66A2			●		
		M81	●	●●	●●	●●	●
		M88	●	●●	●●	●●	●
	M117			●	●	●	
	MK	20		●●	●●○	●●	
		M77MOD0		●	●	●	
		M77MOD1	●	●	●●	●	●
		81	●	●●	●●	●●	●
		81 SE	●	●●	●●	●●	●
		82	●	●●	●○●●	●●	●
		82 SE	●	●●	●○●●	●●	●
		83		●	●●○	●	
		84		●	●	●	
PODS	CBU	1/A		●		●	
	MK4	HIPEG		●	●	●	
	SMOKEWINDER		●		●		●
FUEL TANK		150 GAL		●	●	●	
		300 GAL		●	●	●	
		400 GAL			●		
		REFUEL			●		


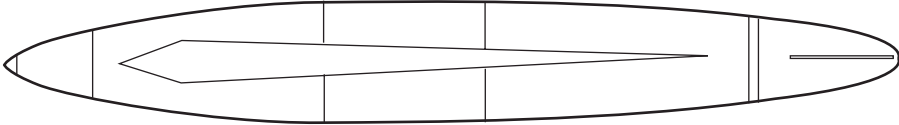


AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 4, 5	B	2.5 nm 4.6 km	REAR	1-4	1956	Early model.	
	P	10 nm 18.5 km	REAR		1975	Improved over B.	
	P5		LIMITED FRONT		1975	Improved over P.	

AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
AGM-45	ANTI-RADIATION					SHRIKE	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
1, 2, 4, 5	A	16 nm 8.6 km	RADAR	1-4	1965	Passive radar homing, fragmentation warhead.	
AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
FFAR	2.75 in 70 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
1, 2, 3, 4, 5	M156	TARGET MARKING	LAU-3/LAU-68	7, 14, 19, 21, 28, 35, 38, 57, 76	White phosphorus.		
MK1	SOFT TARGET	Blast fragmentation.					
MK5	HARD TARGET	High explosive Anti-Tank warhead.					
WEAPON	SIZE	IMAGE					
HYDRA	2.75 in 70 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
1, 5	M257	TARGET MARKING	LAU-68/131	7, 14	Parachute illumination.		
3	MK5	HARD TARGET	21	High explosive Anti-Tank warhead.			
WEAPON	SIZE	IMAGE					
ZUNI	5 in 127 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
1, 2, 3, 4, 5	MK71	SOFT TARGET	LAU-10	4, 8, 12, 16, 20, 24, 28	High explosive warhead.		

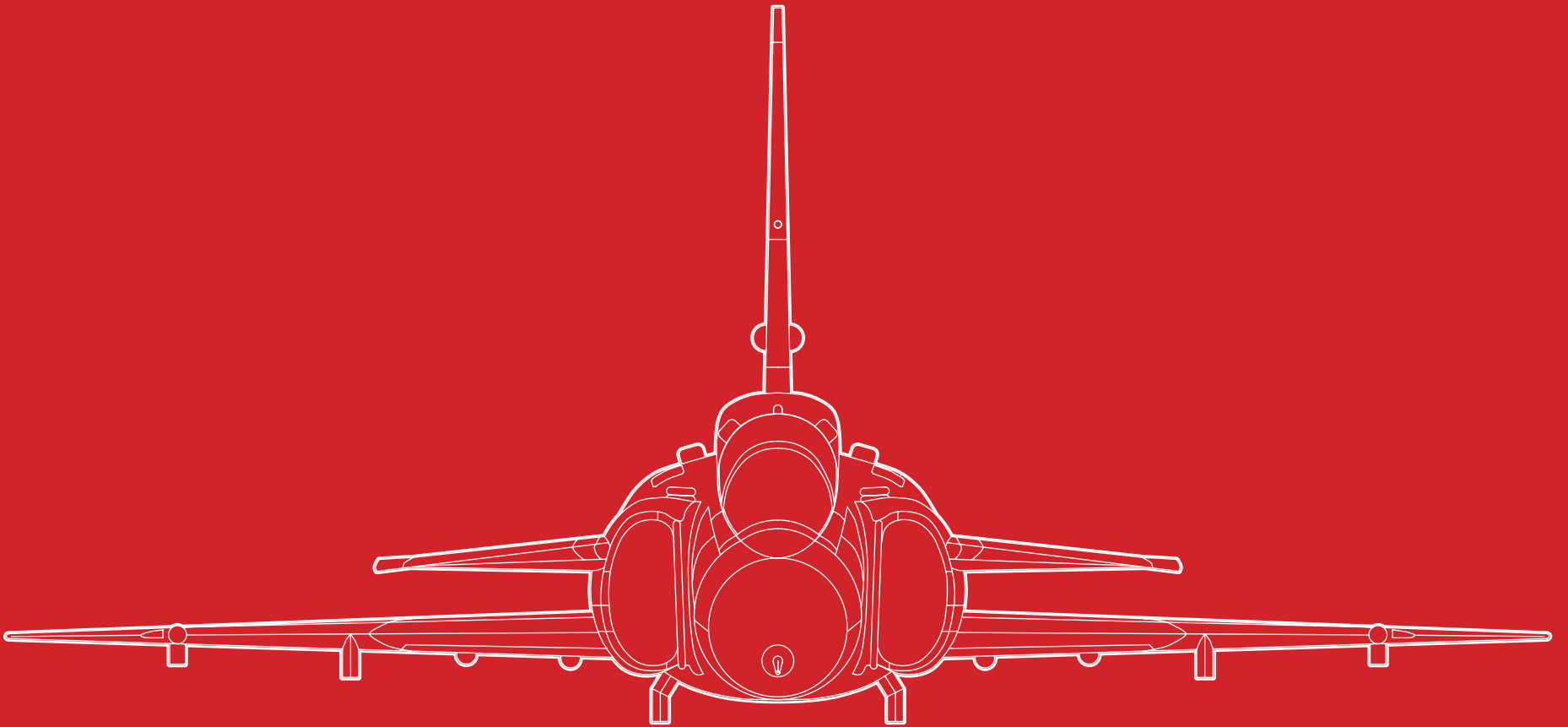
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
AN	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4, 5	M30A1	SOFT TARGET	100 lbs 45.4 kg	1-5	High-explosive.
	M57		250 lbs 113.4 kg	1-5, 10, 12, 13, 16, 18	
	M64	LT STRUCTURE	500 lbs 227 kg	1-5	
2, 3, 4	M65	SOFT TARGET	1000 lbs 453.6 kg	1-3	
1, 2, 3, 4, 5	M66A2	HARD TARGET	2000 lbs 907.2 kg	1	
	M81	SOFT TARGET	260 lbs 117.9 kg	1-5, 10, 12, 13, 16, 18	
	M88		220 lbs 100 kg		
WEAPON	TYPE	IMAGE			
M117	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4		MEDIUM STRUCTURE	750 lbs 340 kg	1-3	High-explosive.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4	20	HARD TARGET	222.3 lbs 490 kg	1-7	High-drag HEAT.
2, 3, 4	MK77 MOD0	SOFT TARGET	750 lbs 340 kg	1-3	Incendiary bomb.
1, 2, 3, 4, 5	MK77 MOD1		500 lbs 226.8 kg	1-6	
	81		250 lbs 113.4 kg	1-5, 10, 12, 13, 16, 18	High-explosive, low-drag.
	81 SE				Mk-81 with high-drag fin kit.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-10, 12	High-explosive, low-drag.
82 SE					Mk-82 with high-drag fin kit.
2, 3, 4	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	1-7	High-explosive, low-drag.
	84	LARGE STRUCTURE	2000 lbs	1-3	High-explosive, low-drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
CBU	SUB-MUNITION DISPENSER				
STATION	VERSION	WEIGHT	INFO		
2, 4	1/A	Dependant on submunition	Submunition dispenser.		

18

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
MK4	GUN		
STATION	VERSION	WEIGHT	INFO
1, 3, 5	HIPEG	1,349 lbs 611.9 kg	20mm cannon. 750 rounds.
POD	TYPE	IMAGE	
SMOKEWINDER	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 3, 5		441 lbs 200 kg	Smoke pod for wing tip pylons.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
150 GAL	2, 3, 4	137 lbs 62.1 kg	
300 GAL		183 lbs 83 kg	
400 GAL	3	240 lbs 108.9 kg	
REFUEL		719 lbs 326.1 kg	

AIRCRAFT QUICK REFERENCE



AJS37
VIGGEN



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AJS37 VIGGEN

WEIGHT	CLEAN	33,565 lbs
	MAX	44,092 lbs
TAKE OFF	CLEAN	200 KPH
	FULL LOAD	310 KPH
LANDING	GEAR	550 KPH
	FLAPS	AUTO
	GROUND	+250 KPH
TOP SPEED	MACH 2 OR 1,350 KPH	
MAX ALTITUDE		65,000 FT
MAX RANGE	INTERNAL	1,700 KM
	EXTERNAL	2,300 KM
MAX G		7G
MAXIMUM TURN RATE	CLEAN	337 KTS
RADAR	MAX RNG	120 KM
GUN	150 ROUNDS**	
COUNTER MEASURES	CHAFF	220***
	FLARES	44***

* AIR TO AIR LOADOUT AND DROP TANK.
** MUST HAVE AKA GUN POD EQUIPPED.
*** MUST HAVE KB F/C EQUIPPED.

WEAPONS AVAILABLE ON STATION

1

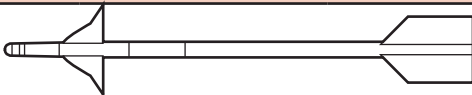

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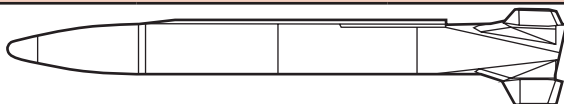
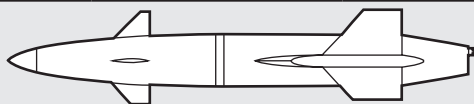


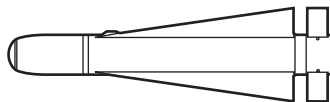
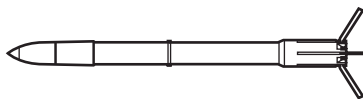
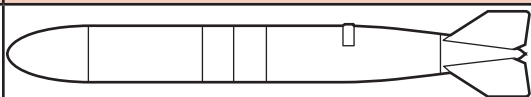
3

4


DO NOT MIX WEAPONS
THE EXCEPTION IS AKA GUN WITH RB-75, AKA GUN WITH RB-05.
AIR TO AIR MISSILES CAN BE USED WITH ANY VALID LOADOUT.

STATION			7	6	5	4	3	2	1
AIR TO AIR MISSILES	RB-24		●	●	●		●	●	●
		J	●	●	●		●	●	●
	RB-74			●	●		●	●	
AIR TO GROUND MISSILES	BK-90	MJ1		●	●		●	●	
		MJ2		●	●		●	●	
		MJ1+2		●	●		●	●	
	RB-04	E		●				●	
	RB-05				●		●		
	RB-15	F		●				●	
	RB-75	A		●	●		●	●	
		B		●	●		●	●	
		T		●	●		●	●	
ROCKETS	ARAK M/70B	AP		●	●		●	●	
		HE		●	●		●	●	
BOMBS	LysB			●	●		●	●	
	M/71	HD		●	●		●	●	
		LD		●	●		●	●	
PODS	AKAN	30/55		●				●	
	KB F/C	12		●				●	
	U/22			●					
		A			●				
FUEL TANK						●			

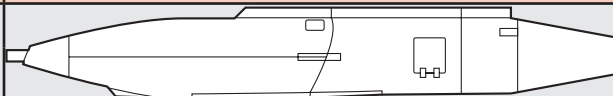
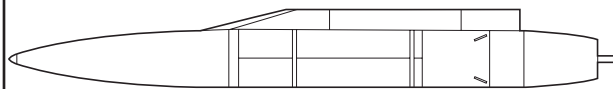

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
RB-24	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 5, 6, 7		2.5 nm 4.6 knm	REAR	1-6	1956	Early model. Equivalent to the AIM-9B.	
	J	10 nm 18.5 km	LIMITED ALL		1975	Improved over early model Equivalent to the AIM-9P.	
WEAPON	TYPE	IMAGE				NAME	RANGE
RB-74	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 3, 5, 6	B	10 nm 18.5 km	ALL	1-4	1977	9G launch capable, CM resistant.	

AIR TO AIR GROUND - MISSILES						
WEAPON	TYPE	IMAGE				NAME
BK-90	GLIDING CLUSTER BOMB					MJÖLNER
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 5, 6	MJ1	5.5 nm 10 km	SOFT TARGET	1-4	1990	INS-guided bomb has 24 barrels and 72 submunitions.
	MJ2		ANTI-ARMOR			Code 921000 for Long Area. Code 922000 for Wide Area. Code 923000 for Compact Area.
	MJ1+2		BOTH			
WEAPON	TYPE	IMAGE				NAME
RB-04	ANTI-SHIP					ROBOT 04
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 6	E	17 nm 32 km	SHIPS	1,2	1975	Long-range fire-and-forget missile.
WEAPON	TYPE	IMAGE				NAME
RB-05	GUIDED AIR TO SURFACE					ROBOT 05
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
3, 5	E	5 nm 9 km	HARD TARGET	1,2	1972	Tracking flare helps the pilot steer the missile towards the target.
WEAPON	TYPE	IMAGE				NAME
RB-15	ANTI-SHIP					ROBOT 15
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 6	F	37 nm 70 km	SHIPS	1,2	1989	Multiple waypoint capable cruise missile.
WEAPON	TYPE	IMAGE				NAME
RB-75	AIR TO SURFACE					ROBOT 75
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 5, 6	A	11.9 nm 22 km	ANTI-ARMOR	1-4	1970	Electro-Optical TV. Equivalent to the AGM-65A. Shaped charge.
	B					Electro-Optical TV. Equivalent to the AGM-65B. Magnified seeker. Shaped charge.
	T		LARGE TARGET			Electro-Optical TV. Equivalent to the AGM-65A. Blast Fragmentation.
AIR TO GROUND - ROCKETS						
WEAPON	SIZE	IMAGE				
ARAK M/70B	5.3 in 135 mm				Weapon Selector ATTACK	Release Mode Switch Normal Range: SERIE Long Range: IMPULSE
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 5, 6	AP	HARD TARGET	ARAK	6, 12, 18, 24	Anti-armor.	Code 220 for Target Motion Measurement. Code 221 for No Target Motion.
	HE	SOFT TARGET			High explosive.	Code 251 for Radar Ranging on Code 253 for Radar Ranging off
AIR TO GROUND - BOMBS						
WEAPON	TYPE	IMAGE				
LysB	ILLUMINATION					Weapon Selector ATTACK
STATION	VERSION	TARGET	WEIGHT	QTY	INFO	
2, 3, 5, 6		TARGET MARKING	176.4 lbs 80 kg	2, 4	Illuminating targets.	Code 231 for 1 km offset distance Code 232 for 2 km offset distance Code 233 for 3 km offset distance


AIR TO GROUND - BOMBS

WEAPON	TYPE	IMAGE						
M/71	HIGH & LOW DRAG				Level Direct CCIP	Weap. Sel. BOMB PLAN	Precision Quick	Weap. Sel. BOMB DYK
STATION	VERSION	TARGET	WEIGHT	QTY	INFO			
2, 3, 5, 6	HD	LIGHT STRUCTURE	275.6 lbs 125 kg	4, 8, 12, 16	High-explosive, high-drag.		Radar NAV/Toss	Weap. Sel. BOMB RR
	LD				High-explosive, low-drag.			

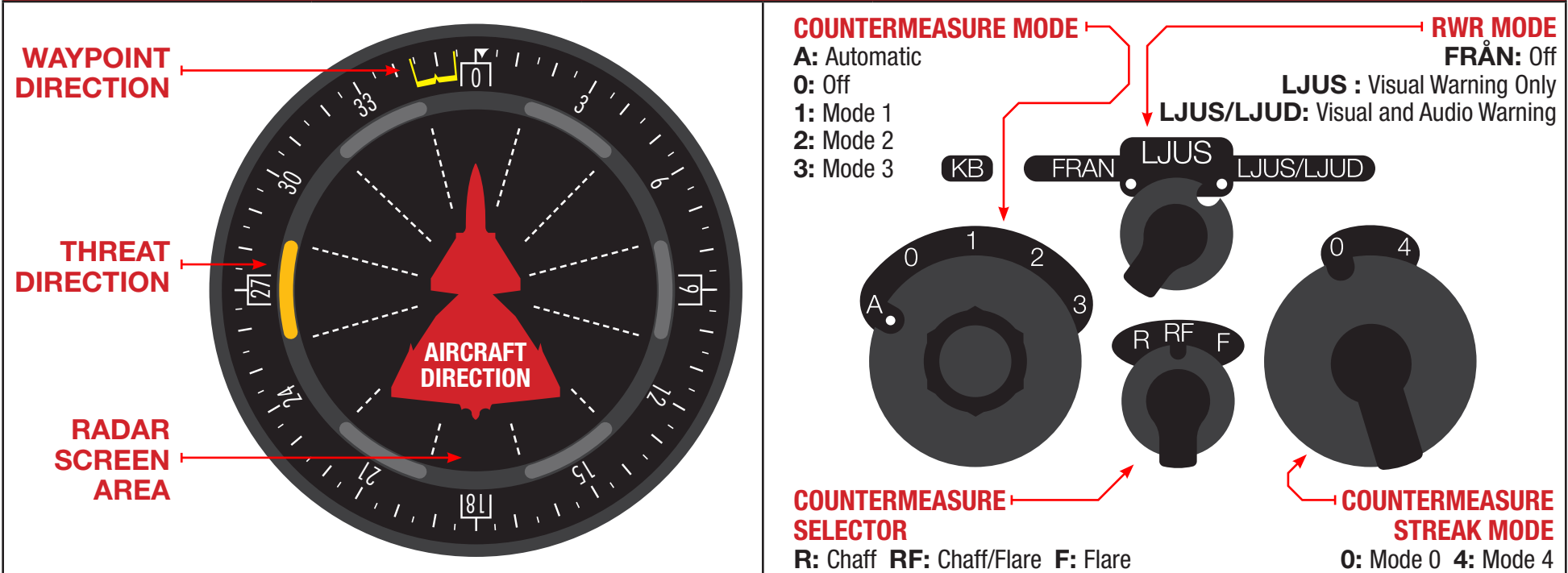
AIR TO GROUND - PODS

POD	TYPE	IMAGE				
AKAN	GUN			Weapon Selector		
				AG = ATTACK	AA = AKAN JAKT	
STATION	VERSION	WEIGHT	INFO			
2, 6	30/55	608 lbs 275.8 kg	ADEN 30mm gun with 150 rounds.	Code 220 for Target Motion Measurement. Code 221 for No Target Motion.		
POD	TYPE	IMAGE				
KB F/C	COUNTER MEASURES			R = Chaff RF = Chaff/Flare F = Flare	Default Quick Release KB = 2 Streak = 0 KB Switch = INT or KONT	
STATION	VERSION	WEIGHT	INFO			
2,6	12	653 lbs 296.2 kg	Countermeasure dispenser used in conjunction with U22 or U22/A.			
POD	TYPE	IMAGE				
U22	COUNTER MEASURES			MODE	BAND	INFO
				A	F	Preheat 3 min
				A	G/H/K	Silent Record
				B/D/E	F/G/H/K	Auto Emission
STATION	VERSION	WEIGHT	INFO			
6		767 lbs 347.9 kg	Electronic countermeasures (ECM) used in conjunction with KB F/C.			
	/A		ECM and ELINT gathering pod used in conjunction with KB F/C.			

FUEL TANKS

TANK	STATION	WEIGHT	IMAGE
430 lbs	4	430 lbs 195 kg	

AJS37 VIGGEN RWR

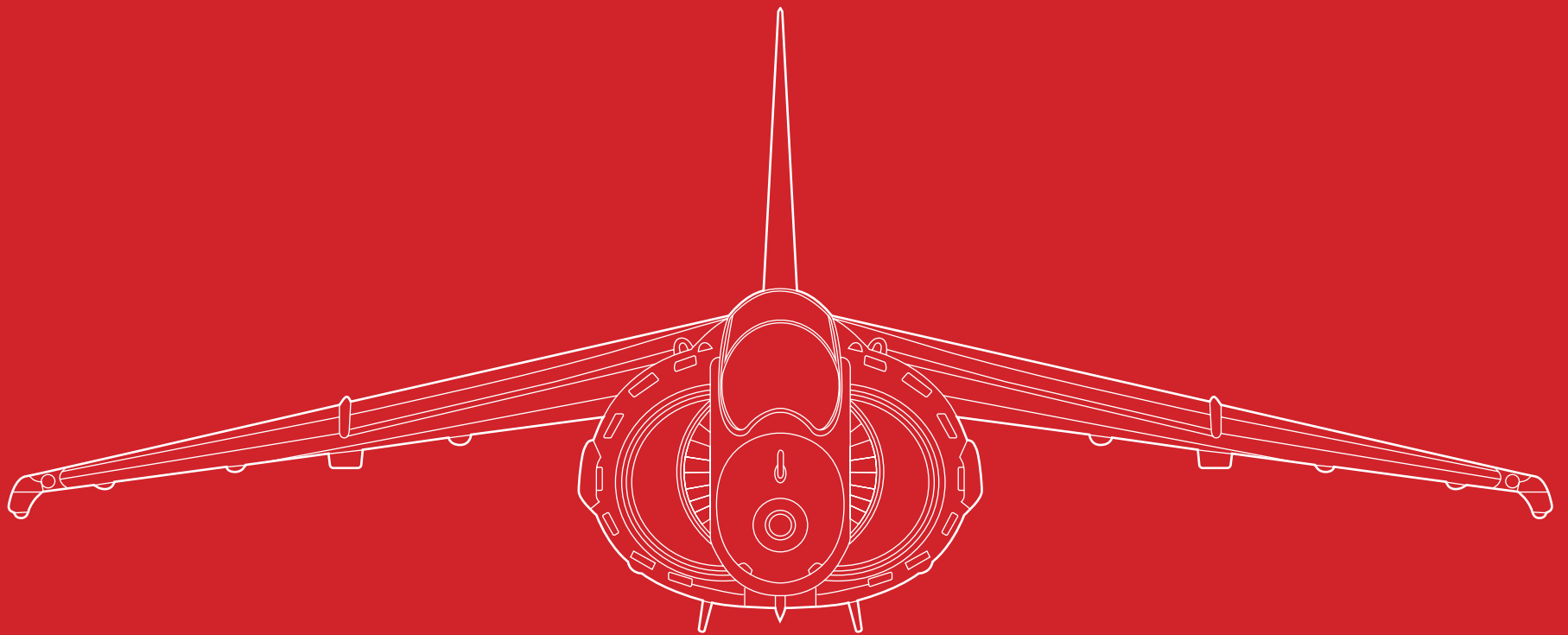


SOUND WARNING

Slow Continuous Beep	Radar detecting you.	Fast Continuous Beep	Locked or Radar Locked and Guiding.
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AJS37 CK37 FLIGHT COMPUTER INPUT CODES				
MODE	INPUT	CONFIRM	FUNCTION	DESCRIPTION
REF/ LOLA	9099	LS/SKU	Data transfer	Load data from cartridge. Should read 000000 when finished without error.
	90XX	L MÅL	L1 Ref Number	Landing base L1 reference number XX (kneeboard). XX=00 to clear.
	99XX		L2 Ref Number	Divert landing base L2 reference number XX (kneeboard). XX=00 to clear.
	DDMMSS	B1-B9	Lo/La NAV WP	Longitude (E/W) and Latitude (N/S) for nav waypoints
		L MÅL	Lo/La L1	Longitude (E/W) and Latitude (N/S) for landing base L1.
		BX + Y	Lo/La BX	Longitude (E/W) and Latitude (N/S) for mark point Y (BX1-BX9), Y=1-9 on data panel.
TID	HHMMSS	LS/SKU	Current Time	Set current time in HH=hours, MM=minutes, SS=seconds.
		B1-B9	ToT NAV WP	Time on target for navigation waypoints B1-B9.
		BX	ToT RB15	Time on target (missile in target area) for RB 15.
	XXX	B1-B9	Ingress Speed	Ingress speed XXX in Mach (095=0.95M) for WPs not corresponding to target WPs.
BANA/ GRÄNS	XXX ^Y ZZ	LS/SKU	Takeoff RWY	Runway heading XXX.Y [deg] and TILS channel ZZ of starting base.
		L MÅL	Landing RWY	
	XXXYYY	B1-B9	Boundaries	Boundary lines for nav WPs B1-B9. XXX [deg] first line, YYY [deg] second line towards WP.
VIND/ RUTA/ MÅL	XXXYY	LS/SKU	Wind	Forecast wind direction XXX [deg] and speed YY [km/h]. Enter 00000 for reset.
	DDMMSS	B1-B9	Lo/La R1-R9	Longitude and Latitude of recon corner/center points (R1-R8) or center point R9.
		L MÅL + X	Lo/La M1-M9	Longitude and Latitude of measured recon target "red" M1-M9 [X=1-9 on data panel].
TAKT	9	B1-B9	Set Target WP	Turn nav WP into target WP (e.g. B3 => M3).
	0		Restore nav WP	Turn target WP into nav WP (e.g. M3 => B3).
	XXXYY0		Pop-up Point	Pop-up point "U" with heading XXX [deg] from U to target WP (M1-M9) and distance YY [km].
	20ABCD	LS/SKU	Loadout	Pretend a fictional loadout on pylons (not functional).
	21X		Fixed Sight	Fixed (backup) sight mode X=1 on or X=0 off.
	22X		Lead Correct	Target motion measurement X=1 off or X=0 on for AKAN A/G, ARAK pods and dive bombing.
	23X		Lysbomb	Illumination bombs offset distance X=1,2,3 [km]. Sight mode RAKT=on top, VÅ=left, HÖ=right.
	25X		Radar Lock	Radar lock on: X=1 before trigger unsafe, X=2 after trigger unsafe, X=3 disabled.
	30XX		Recon Standoff	Standoff warning distance XX [km] for recon (XX between 01-99 km). XX=00 no warning.
	51XX		Fuel Reserve	Fuel reserve XX [%] at L1 (XX between 10% and 99%).
	58X		TERNAV	Turn terrain navigation system X=1 on or X=0 off.
	666		HAL 9000	Summon HAL 9000. Enter 666+LS again to banish. Easter Egg.
TAKT (RB 15)	800000		RB 15 Main Modes	Single target, large search area. Same as targeting mode=STD.
	800001			Confined area attack. Multiple targets N, medium area search.
	800002			Unconfined area attack. Multiple targets A, medium area search.
	800003			Convoy attack. Group target, large area search.
	800004			Bearing attack. Bearing search mode.
	81ABCD	LS/SKU	RB 15 Special Modes	Target selection (0=yes, 1=no) for A=Single, B=Multiple N, C=Multiple A, D=Group. Default=810111.
	82ABCD			Analysis/acquisition (No Function). Default=820000.
	83ABCD			A=Altitude after BX6 (0=?, 1=30m), B=Area search (0=?, 1=Bearing). CD=Empty. Default=830000.
	84ABCD			Search area (0=yes, 1=no) A=Precise, B=Small, C=Medium, D=Large. Default=841110.
	85ABXX			Boundary A=left (0=yes, 1=no), B=right (0=yes, 1=no) and XX=Distance 01-15 km. Default=851100.
	86ABCD			Target approach A=0 10m ASL, A=1 sea skimming. BC=No Function, D=Empty. Default=861000.
	87XXX			Wind direction XXX [deg] in target area (000-360 deg). Default=sourced from aircraft.
	88XX			Wind strength XX [km/h] in target area (00-99 km/h). Default=sourced from aircraft.
TAKT (BK 90)	91XXX	LS/SKU	Altitude	BK 90 approach altitude XXX [m] between 030-500 m (targeting mode=VALB). Default 60 m.
	92X000		Area Pattern	BK 90 area of effect pattern: X=1 long, X=2 wide, X=3 compact (X=0 reset to default).

AIRCRAFT QUICK REFERENCE



**AV-8B
HARRIER**



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AV-8B HARRIER




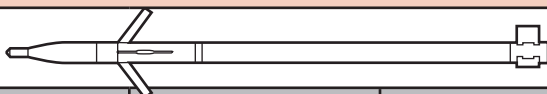
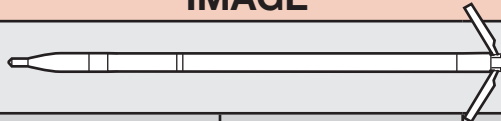


WEIGHT	CLEAN	14,804 LBS
	MAX	31,085 LBS
TAKE OFF	VTO*	0 KTS
	STO	96 KTS**
	LOADED	135 KTS
LANDING	FLAPS	300 KTS
	GEAR	250 KTS
	GROUND	150 KTS
TOP SPEED		585 KTS
MAX ALTITUDE		40,000 FT
MAX RANGE	COMBAT	300 NM
	FERRY	1,800 NM
MAX G		+7 G
MAX TURN RATE	CLEAN	248 KTS
GUN	300 ROUNDS (GAU-12)	
COUNTER MEASURES	CHAFF	60
	FLARE	120

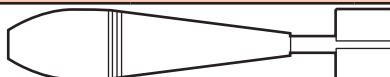
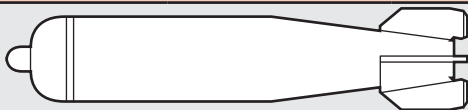
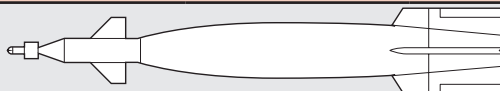
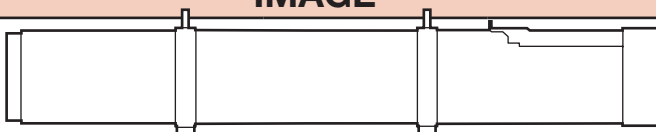


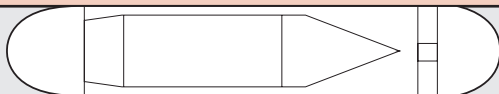
* WEIGHT MUST BE LESS THAN 20,500 LBS
** DEPENDING ON WEIGHT, CONSULT THE VREST PAGE.

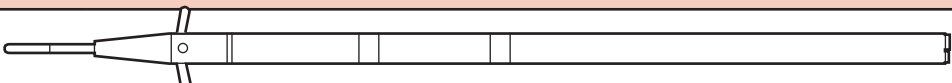
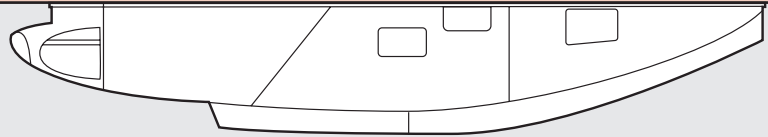
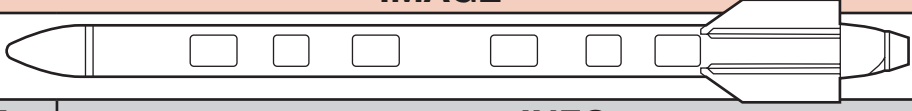
WEAPONS AVAILABLE ON STATION


1 ●
2 ●
3 ○

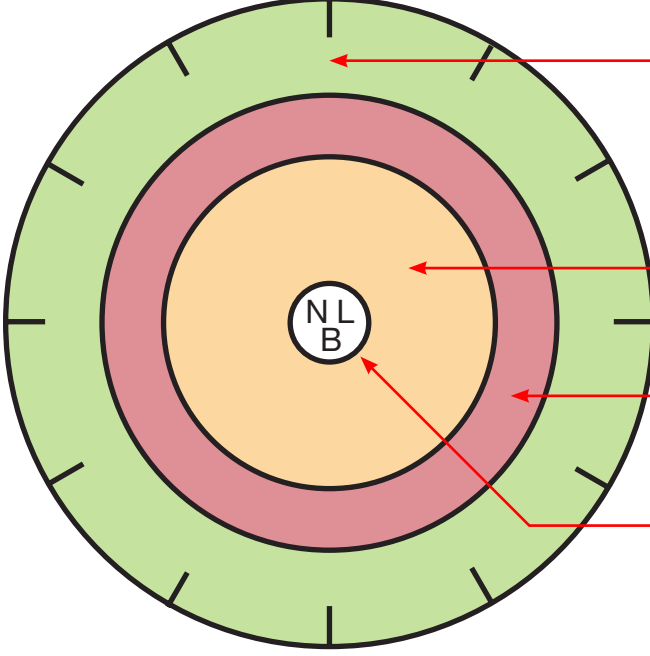
STATION			7	6	5	4B	4A	3	2	1
AIR TO AIR MISSILES	AIM-9	L	●	●					●	●
		M	●	●					●	●
AIR TO GROUND MISSILES	AGM-65	E		●	●			●	●	
		F		●	●			●	●	
		L		●	●			●	●	
	AGM-122		●	●					●	●
	AGR-20	M151		●	●			●	●	
		M282		●	●			●	●	
ROCKETS	FFAR	M156		●	●			●	●	
		MK1		●	●			●	●	
		MK5		●	●			●	●	
	HYDRA	M151		●	●			●	●	
		M156		●	●			●	●	
		M257		●	●			●	●	
		M274		●	●			●	●	
		MK5		●	●			●	●	
		MK61		●	●			●	●	
		WTU-1/8		●	●			●	●	
	ZUNI	MK71		●	●			●	●	
BOMBS	BDU	33	●	●○	●○			○●	○●	●
	CBU	99		●●	●●			●●	●●	
	GBU	12	●	●●	●●			●●	●●	●
		16		●	●			●	●	
		32(V)2/B		●	●			●	●	
		38		●●○	●●			●●	○●●	
		54		●●○	●●			●●	○●●	
	LUU	2		●○					○●	
	MK	20	●	●●	●●			●●	●●	●
		81	●	●○	●○			○●	○●	●
		82	●	●●○	●●			●●	○●●	●
		82 SE	●	●●○	●●			●●	○●●	●
		82 AIR	●	●●○	●●			●●	○●●	●
		83		●	●●			●●	●	
PODS	AN/AAQ	28 LITENING		●	●	●		●	●	
	AN/ALQ	164 DECM				●				
	AN/ASQ	T50 TCTS	●							●
	GAU	12					●			
	SMOKE WINDER		●	●					●	●
FUEL TANK		300 GAL		●	●			●	●	

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 6, 7	L	10 nm 18.5 km	ALL	1-4	1977	9G launch capable, CM resistant.	
	M					Improved slightly over L.	
AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
AGM-65	AIR TO SURFACE					MAVERICK	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 5, 6	E	8 nm 15 km	HARD TARGET, SHIP	1-4	1975	Semi-active laser. Penetrating blast frag. Needs active laser	
	F		HARD TARGET			Infrared Seeker. Penetrating blast fragmentation.	
	L	5 nm 9 km	HARD TARGET, SHIP		1986	Semi-active laser. Penetrating blast fragmentation.	
WEAPON	TYPE	IMAGE				NAME	
AGM-122	ANTI-RADIATION					SIDEARM	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
1, 2, 6, 7		9 nm 16 km	RADAR	1-4	1986	Based on the AIM-9C Sidewinder.	
WEAPON	TYPE	IMAGE				NAME	
AGR-20	LASER HOMING					APKWS	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 5, 6	M151	6 nm 11 km	SOFT TARGET	7, 14, 21, 28	2008	High explosive 10 pounder	
	M282		HARD TARGET			Multipurpose penetrator warhead.	
AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
FFAR	2.75 in 70 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
2, 3, 5, 6	M156	TARGET MARKING	LAU-3	19, 38, 57, 76	White phosphorus.		
	MK1	SOFT TARGET			Blast fragmentation.		
	MK5	HARD TARGET			High explosive Anti-Tank.		
WEAPON	SIZE	IMAGE					
HYDRA	2.75 in 70 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
2, 3, 5, 6	M151	SOFT TARGET	LAU-68/131	7, 14, 19, 21, 28, 38, 57, 76	High Explosive.		
	M156	TARGET MARKING			White phosphorus.		
	M257				Parachute illumination.		
	M274				Parachute smoke.		
	MK5	HARD TARGET			High explosive Anti-Tank warhead.		
	MK61	PRACTICE TARGET			Smoke.		
	WTU-1/8				Inert warhead.		
WEAPON	SIZE	IMAGE					
ZUNI	5 in 127 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
2, 3, 5, 6	MK71	SOFT TARGET	LAU-10	4, 8, 12, 16	High explosive warhead.		

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 5, 6, 7	33	TRAINING TARGET	25 lbs 11.3 kg	1-14	Training smoke.
WEAPON	TYPE	IMAGE			
CBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	99	HARD TARGET	490 lbs 222.3 kg	1-8	HEAT.
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 5, 6, 7	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-10	Laser guided Mk-82.
2, 3, 5, 6	16	HARD STRUCTURE	1,000 lbs 453.6 kg	1-4	Laser guided Mk-83.
	32(V)2/B	MEDIUM STRUCTURE			INS-guided Mk-83.
	38		INS guided Mk-82.		
	54		Dual guidance Mk-82.		
WEAPON	TYPE	IMAGE			
LUU	ILLUMINATION FLARE				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	2	TARGET MARKING	30 lbs 13.6 kg	1-8	Illuminating targets.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 5, 6, 7	20	HARD TARGET	222.3 lbs 490 kg	1-10	High-drag HEAT.
	81	SOFT TARGET	250 lbs 113.4 kg	1-14	High-explosive, low-drag.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg		
2, 3, 5, 6	82 SE			1-12	Mk-82 with ballute kit.
1, 2, 3, 5, 6, 7	82 AIR			MEDIUM STRUCTURE	1000 lbs 453.6 kg
	83				
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
LITENING	TARGETING				
STATION	VERSION	WEIGHT	INFO		
4B	28	458 lbs 207.7 kg	IR/Laser target spotting and marking pod.		
POD	TYPE	IMAGE			
AN/ALQ	ECM				
STATION	VERSION	WEIGHT	INFO		
4B	164 DECM	317 lbs 143.8 kg	ECM/ELINT pod		

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1, 7	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
GAU	GUN		
STATION	VERSION	WEIGHT	INFO
4A	12	626 lbs 284 kg	25mm gun pod. 300 rounds. AP M79 - HE M792 - SAPHEI-T
POD	TYPE	IMAGE	
SMOKEWINDER	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 2, 6, 7		441 lbs 200 kg	Smoke pod for wing tip pylons.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
300 GAL	2, 6	207 lbs 94 kg	




NON-CRITICAL (SAFE) BAND
Emitters that cannot harm you.
Friendly emitters.
Unknown emitters.


CRITICAL BAND
Threats that are not attacking you.


LETHAL BAND
Threats that are attacking you.


RWR STATUS
N or P = Normal or Priority filters.
L = Limited to 6 contacts.
B or T = BIT fail. T means overheated.


HUD SYMBOLOGY

CRITICAL 

LETHAL 

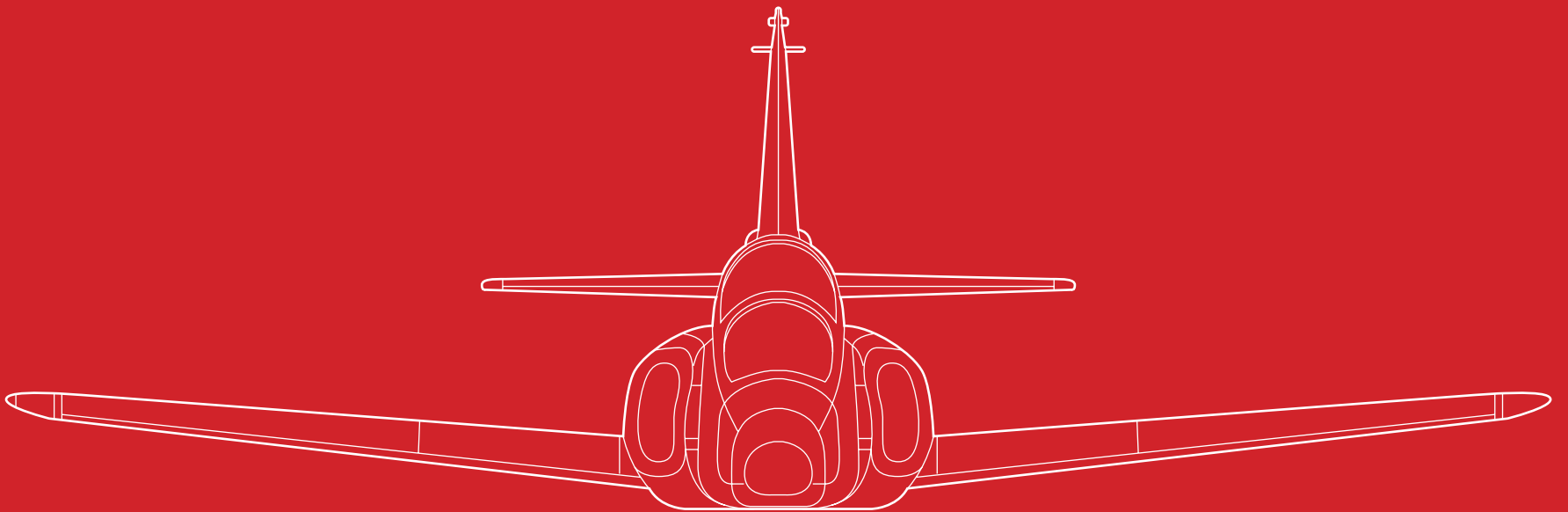
NON-LETHAL 

CRITICAL & LOCKED 

MISSILE LAUNCH 

RWR SYMBOLOGY											
3	SA-3	24	Su-24	95	Tu-95	E3	E-3	PS	Molniya		
6	SA-6	25	MiG-25	A	Gepard, Vulcan, Shilka	E6	EA-6B	PT	Patriot		
8	SA-8	29	MiG-29, Su-27, Su-33	AE	Ticonderoga	F2	F-2	RO	Roland		
10	SA-10	30	Su-30	AN	AN-26B	F4	F-4	S	EWR, SA-3		
11	SA-11, F111	31	MiG-31	AV	AV-8B	F5	F-5	S3	S-3		
12	S-300	34	Su-34	B1	B-1	GR	Roland Rdr	S6	Tunguska		
13	SA-13, C130	39	Su-39	BB	S-300	HA	Hawk	SC	Ametyst		
14	F-14	40	Spruance	BD		HK		SD	SA-11		
15	SA-15, F-15	48	Vinson	BJ	Tu-160	HN	Grozny, Orel, Skory	SW	Kuznecow		
16	F-16	49	Perry	CD	Bobruisk, Bora	HP	Albatros	T2	Moscow		
17	C-17	50	A-50	CS	S-300	HS	S-300	TP	Nuestrash, Rezky		
18	F/A-18	52	B-52	DE	Dog Ear	KC	KC-130, KC-135	TS	Azov		
22	Tu-22	76	IL-76	DT	SA-8	M2	M-2000	Tu	Tu-142		
23	MiG-23	78	IL-78	E2	E-2C	PP	Veter	U	Unknown		

AIRCRAFT QUICK REFERENCE



C-101CC
AVIOJET



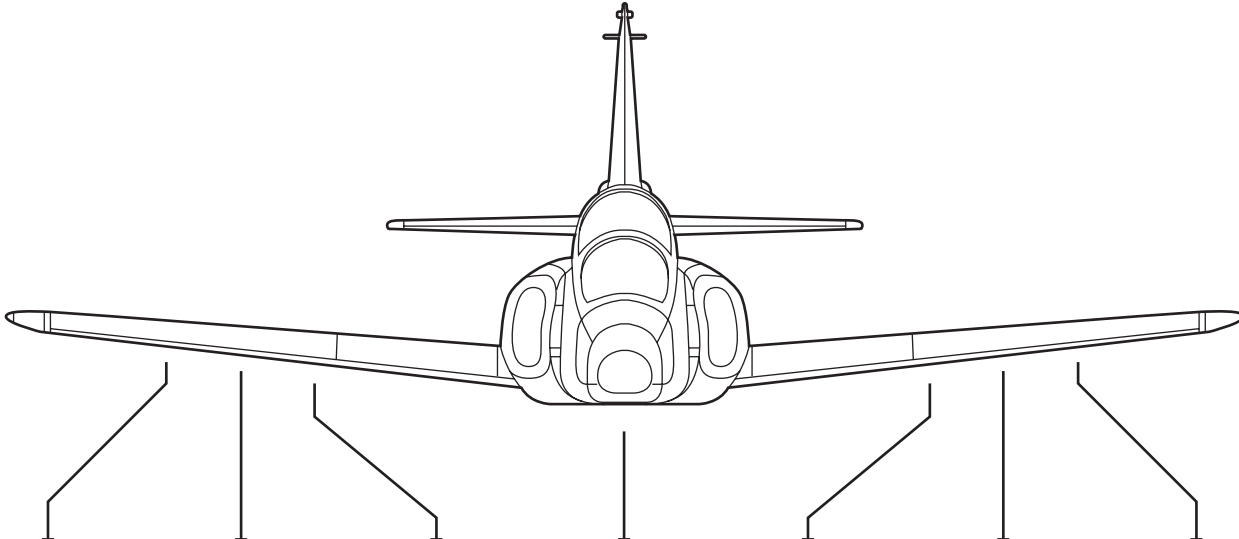
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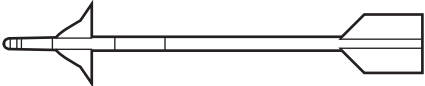
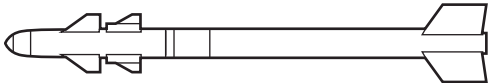
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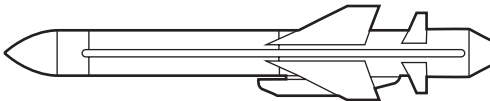
C-101CC AVIOJET

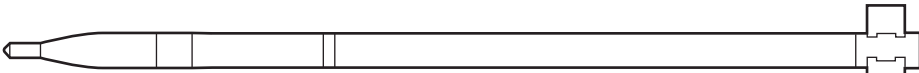
WEIGHT	CLEAN	8,014 LBS	<div><div>* WEIGHT IS 4,800 KG</div><div><div></div><div></div><div></div><div></div><div></div><div></div></div></div>	WEAPONS AVAILABLE ON STATION		1	●
	MAX	13,889 LBS		4	●		
TAKE OFF	CLEAN	100 KTS					
	LOADED*	115 KTS					
LANDING	GEAR	200 KTS					
	FLAPS	150 KTS					
	GROUND	120 KTS					
TOP SPEED		0.8 MACH					
MAX ALTITUDE		45,000 FT					
MAX RANGE	COMBAT	280 NM					
	FERRY	1,100 NM					
MAX G		+7.5G -3.9G					
MAXIMUM TURN RATE	CLEAN	206 KTS					
GUN	440 ROUNDS (POD)						
COUNTER MEASURES	CHAFF	N/A					
	FLARE	N/A					





STATION			7	6	5	4	3	2	1
AIR TO AIR MISSILES	AIM-9	M	●						●
		P	●						●
	R.550	MAGIC II	●						●
AIR TO GROUND MISSILES	SEA EAGLE			●				●	
ROCKETS	HYDRA	M151		●				●	
		M156		●				●	
		M257		●				●	
		M274		●				●	
BOMBS	BDU	33			●		●		
	BIN	200		●	●		●	●	
	BL755			●	●		●	●	
	BLG	66		●	●		●	●	
	BR	250		●	●		●	●	
		500			●		●		
	FAB	100		●	●		●	●	
		250		●	●		●	●	
PODS	MK	82		●	●		●	●	
	AN	M3				●			
	DEFA	553				●			


AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 7	M	10 nm 18.5 km	ALL	1-2	1982	Improved slightly over L.	
	P		REAR		1977	Improved over B.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R.550	INFRARED					MAGIC 2	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 7		8 nm 15 km	ALL	1-2	1986	Frontal engagement	

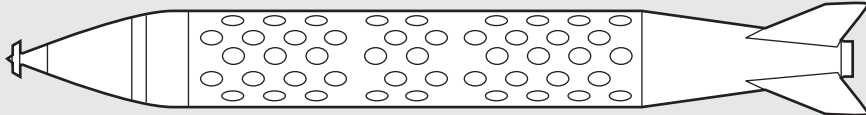
AIR TO GROUND - MISSILES						
WEAPON	TYPE	IMAGE				NAME
SEA EAGLE	ANTI-SHIP					SEA EAGLE
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 6		60 nm 110 km	SHIP	2	1985	Medium weight sea-skimming.




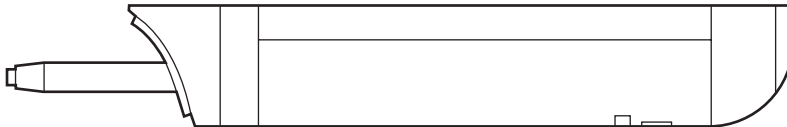
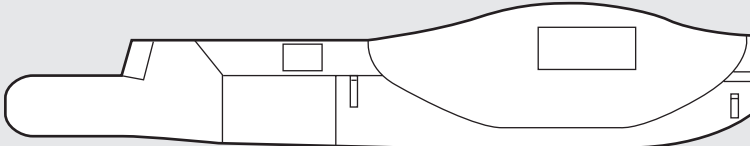
AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 6	M151	SOFT TARGET	LAU-68/131	7, 14, 19, 38	High Explosive.
	M156	TARGET MARKING		7, 14	White phosphorus.
	M257				Parachute illumination.
	M274				Parachute smoke.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 5	33	TRAINING TARGET	25 lbs 11.3 kg	8	Training smoke.

WEAPON	TYPE	IMAGE			
BIN	INCENDIARY BOMB				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	200	SOFT TARGET	441 lbs 200 kg	2, 4	Spanish incendiary bomb.

WEAPON	TYPE	IMAGE			
BL755	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6		HARD TARGET	1,000 lbs 453.6 kg	1-4	Multiple armored targets.

WEAPON	TYPE	IMAGE			
BLG / BELOUGA	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	66	SOFT TARGET	672.4 lb 305 kg	1-4	High-drag HEAT.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BR	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	250	LIGHT STRUCTURE	551.2 lbs 250 kg	1-4	Low-drag, high explosive.
3, 5	500	MEDIUM STRUCTURE	1102.3 lbs 500 kg	1-2	
WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	100	SOFT TARGET	220.5 lbs 100 kg	1-4	Low-drag, high explosive.
	250	LIGHT STRUCTURE	551.2 lbs 250 kg		
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-4	High-explosive, low-drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
AN	GUN				
STATION	VERSION	WEIGHT	INFO		
4	M3	481 lbs 218.2 kg	Browning .50 caliber machine guns.		
POD	TYPE	IMAGE			
DEFA	GUN				
STATION	VERSION	WEIGHT	INFO		
4	553	481 lbs 218.2 kg	30mm caliber rounds.		

AIRCRAFT QUICK REFERENCE



F-4E
PHANTOM II



GOLDWOLF

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F-4E PHANTOM II

WEIGHT	CLEAN	30,328 LBS
	MAX	61,795 LBS
TAKE OFF	CLEAN	120 KTS
	LOADED	140 KTS
LANDING	GEAR	210 KTS
	FLAPS	
	GROUND	160 KTS
TOP SPEED	HIGH ALT	Mach 2.23
MAX ALTITUDE		56,000 FT
MAX RANGE	COMBAT	370 NM
	FERRY	1,457 NM
MAX G		8G
MAXIMUM TURN RATE	CLEAN	440 KTS
RADAR	MAX RNG	110 NM
GUN	640 ROUNDS	
COUNTER MEASURES	CHAFF	120
	FLARE	60

WEAPONS AVAILABLE ON STATION

1

2

3

4

6

8

●

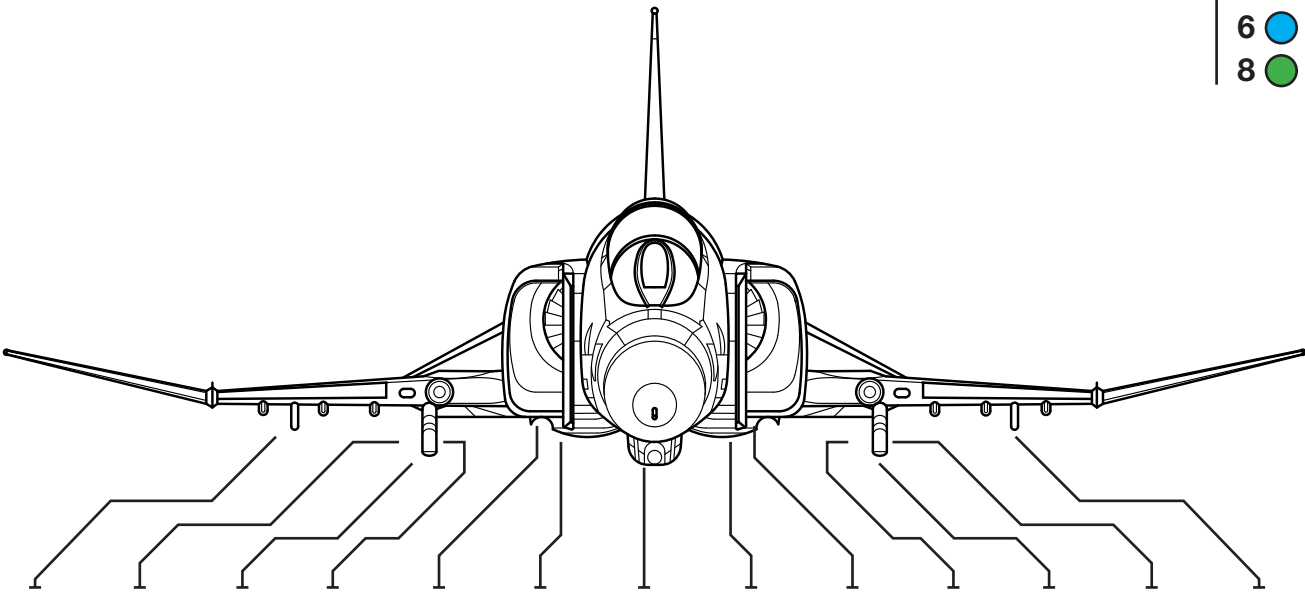
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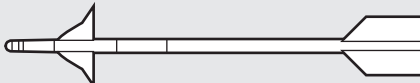
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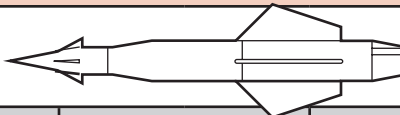
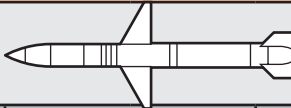


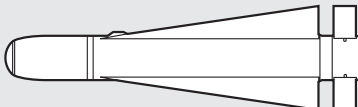
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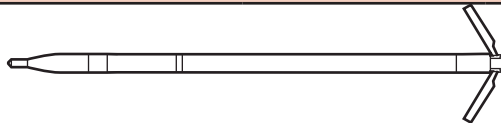

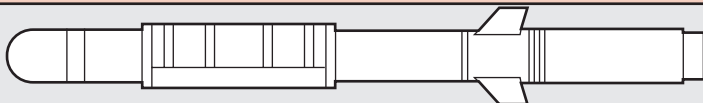

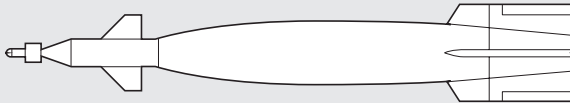
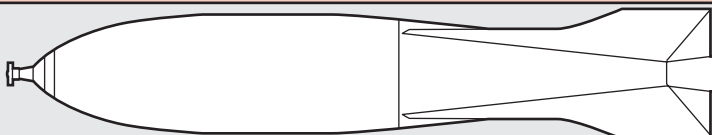
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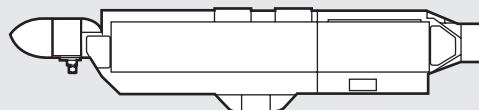
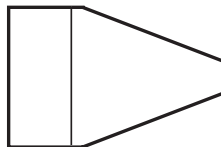

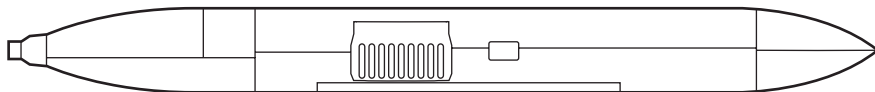




STATION			9	8R	8	8L	7	6	5	4	3	2R	2	2L	1
AIR TO AIR MISSILES	AIM-7	E / E2					●	●		●	●				
		F / M					●	●		●	●				
	AIM-9	B		●		●						●		●	
		J / L / M		●		●						●		●	
		P		●		●						●		●	
AIR TO GROUND MISSILES	AGM-12	A / B			●								●		
	AGM-45				●								●		
	AGM-62				●								●		
	AGM-65	A / B / D			●●○								○●●		
ROCKETS	FFAR	M156	●●○		●●○				●●○				○●●		○●●
		MK1	●●○		●●○				●●○				○●●		○●●
		MK5	●●○		●●○				●●○				○●●		○●●
BOMBS	BDU	33	●●						●●						●●
		45 LG			●●								●●		
		50 LD/HD	●●		●○				●●				○●		●●
	BLU	107			●○				●●○				○●		
	CBU	52	●○		●●								●●		○●
		87	●○		●●				●				●●		○●
	GBU	8 / 10	●		●								●		●
		12	●		●●								●●		●
		15			●								●		
		24	●		●								●		●
	M117		●●		●○								○●		●●
	MK	20			●○				●●				○●		
		81	●●		●○				●●				○●		●●
		82 / 82 SE	●●		●○				●●				○●		●●
		82 AIR	●●		●○				●●				○●		●●
		83	●●		●○				●○				○●		●●
		84	●						●						●
	SUU	25	●●		●●				●●				●●		●●
PODS	ALQ	131			●					●			●		
	AN/ALE	23			●								●		
	AN/AVQ	40								●					
	SUU	23	●						●						●
	SMOKE WINDER														
FUEL TANK		370 GAL	●												●
		600 GAL							●						

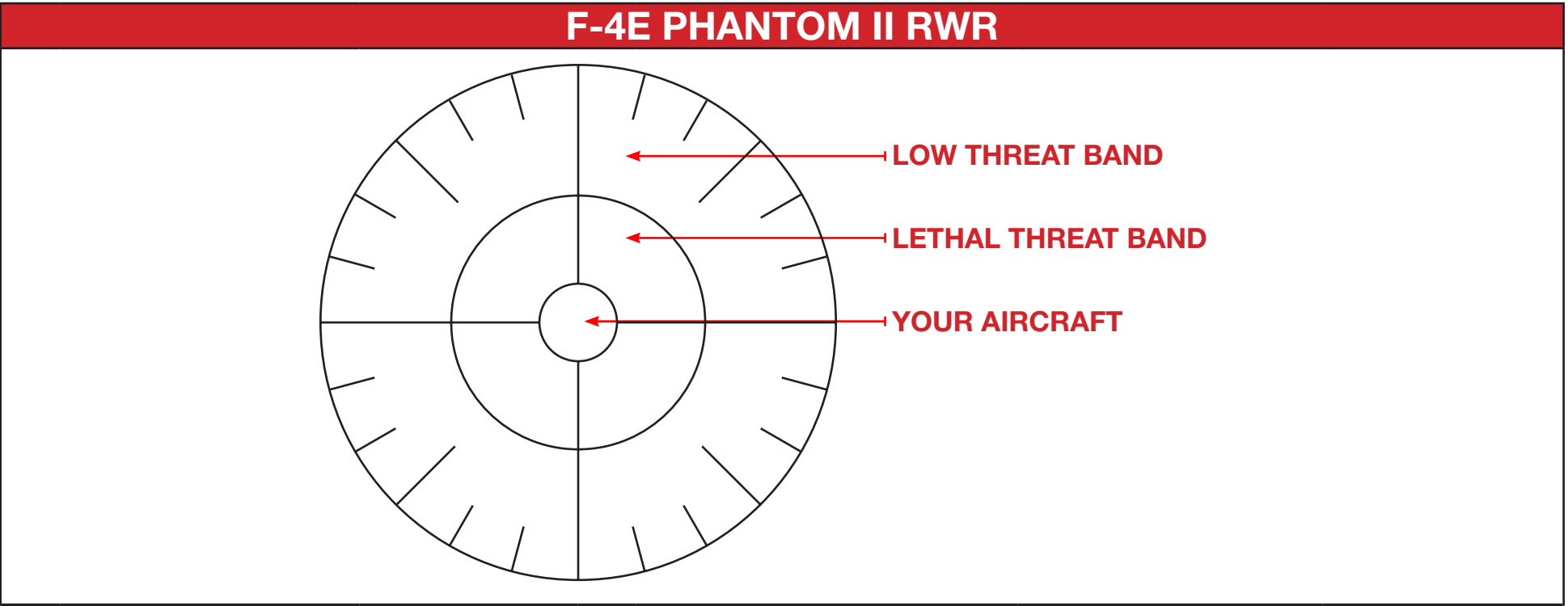
AIR TO AIR WEAPONS										
WEAPON	TYPE		IMAGE					NAME		RANGE
AIM-7	SEMI-ACTIVE RADAR							SPARROW		MEDIUM
STATION	VERSION		MAX RNG	ASPECT		QTY	YR	INFO		
3, 4, 6, 7	E/E2		24 nm 45 km	ALL		1-4	1970	First model.		
	F/M		38 nm 70 km				1976 1982	Improved range & warhead		
WEAPON	TYPE		IMAGE					NAME		RANGE
AIM-9	INFRARED							SIDEWINDER		SHORT
STATION	VERSION		MAX RNG	ASPECT		QTY	YR	INFO		
2L, 2R, 8L, 8R	B		2.5 nm 4.6 km	REAR		1-4	1956	Early model.		
	J/L/M		10 nm 18.5 km	LIMITED/ALL			1975 1982	Improved over B.		
	P			REAR			1975			

AIR TO GROUND - MISSILES										
WEAPON	TYPE		IMAGE					NAME		
AGM-12	AIR TO SURFACE							BULLPUP		
STATION	VERSION		MAX RNG	TARGET		QTY	YR	INFO		
2,8	A/B		10 nm 18.5 km	MEDIUM		1-2	1970	Command guided missile.		
WEAPON	TYPE		IMAGE					NAME		
AGM-45	ANTI RADIATION							SHRIKE		
STATION	VERSION		MAX RNG	TARGET		QTY	YR	INFO		
2,8	A		16 nm 8.6 km	RADAR		1-2	1965	Passive radar homing, fragmentation warhead.		
SEEKER HEAD	SA-2	SA-2(TR)	SA-3	SA-5	SA-6	SA-8	SA-10	SA-10(TR)	SA-11	SA-15
MK-23	●			●			●			
MK-24-5	●			●			●			
MK-24-34	●									
MK-25		●			●					●
MK-36			●						●	
MK-43 Mod 1						●		●	●	
MK-49			●							
MK-50				●			●		●	
WEAPON	TYPE		IMAGE					NAME		
AGM-62	GLIDE BOMB							WALLEYE II ER/DL		
STATION	VERSION		MAX RNG	TARGET		QTY	YR	INFO		
2,8			30 nm 55.6 km	HARD TARGET		1-2	1972	TV guided 2000 lb bomb		
WEAPON	TYPE		IMAGE					NAME		
AGM-65	AIR TO SURFACE							MAVERICK		
STATION	VERSION		MAX RNG	TARGET		QTY	YR	INFO		
2,8	A		8 nm 15 km	ANTI-ARMOR		1-6	1972	Electro-Optical TV. Shaped charge		
	B						1974			
	D						1975	Infrared Seeker. Shaped charge.		

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
FFAR	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 5, 8, 9	MK156	TARGET MARKING	LAU-3	19-285	White phosphorus.
	MK1	SOFT TARGET			Blast fragmentation.
	MK5	HARD TARGET			High explosive Anti-Tank warhead.
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 5, 9	33	TRAINING TARGET	25 lbs 11.3 kg	1-3, 6, 12, 18	Training smoke.
	45LG		500 lbs 226.8 kg		Training smoke. Mk-82.
	50LD/HD				
WEAPON	TYPE	IMAGE			
BLU	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 5, 8	107	RUNWAY	750 lbs 340 kg	1-12	Parachute deployed anti-runway bomb.
WEAPON	TYPE	IMAGE			
CBU	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 8, 9	52	SOFT TARGET	785 lbs 356 kg	2-10	High-explosive.
1, 2, 5, 8, 9	87		950 lbs 431 kg	2-14	
WEAPON	TYPE	IMAGE			
GBU	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 8, 9	8/10	HARD STRUCTURE	2,000 lbs 907.2 kg	1-4	Laser guided Mk-84.
	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-6	Laser guided Mk-82.
2, 8	15	HARD STRUCTURE	2,000 lbs 907.2 kg	1-2	Radio guided Mk-84.
1, 2, 8, 9	24			1-4	Laser guided Mk-84 with penetrator.
WEAPON	TYPE	IMAGE			
M117	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 8, 9		MEDIUM STRUCTURE	750 lbs 340 kg	1-17	High-explosive.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 5, 8, 9	20	ANTI-ARMOR	222.3 lbs 490 kg	1-12	Cluster Bomb.
	81	SOFT TARGET	250 lbs 113.4 kg	1-24	High-explosive, low-drag.
	82/82SE	LIGHT STRUCTURE	500 lbs 226.8 kg		High-explosive, low-drag SE: High-drag
	82AIR				Mk-82 with high-drag ballute.
	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	1-13	High-explosive, low-drag.
	84	HARD STRUCTURE	2000 lbs 907.2 kg	1-3	
WEAPON	TYPE	IMAGE			
SUU	ILLUMINATION FLARE				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 5, 9	25	TARGET MARKING		1-48	Illumination flares.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
ALQ	ECM				
STATION	VERSION	WEIGHT	INFO		
2, 4, 9	131	672 lbs 304.8 kg	Electronic countermeasures pod.		
POD	TYPE	IMAGE			
AN/ALE	COUNTER MEASURES				
STATION	VERSION	WEIGHT	INFO		
2, 8	40	N/A	Chaff and Flare dispensers.		
POD	TYPE	IMAGE			
AN/AVQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
4	23	481 lbs 218.2 kg	Pave Spike Targeting Pod.		
POD	TYPE	IMAGE			
SUU	GUN				
STATION	VERSION	WEIGHT	INFO		
1, 5, 9	23	1422 lbs 645 kg	1,200 rounds per 20mm Gun pod.		

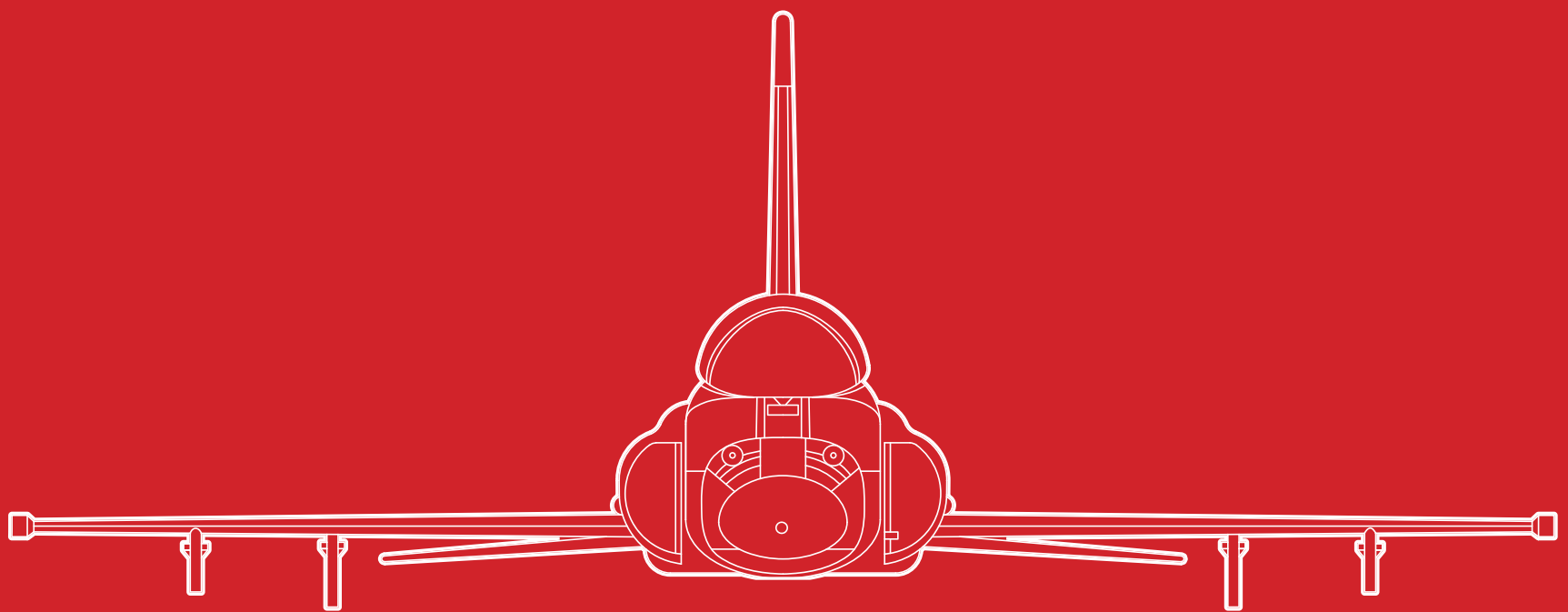
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
370 GAL	1, 5, 9	119 lbs 53.9 kg	
600 GAL		249 lbs 112.9 kg	



LAND AND AIR BASED THREATS									
2	SA-2 S-75 "Fan Song" TR	7	HQ-7 TR	A	ZSU-23-4 Shilka	S	SA-6 Kub "Straight Flush" SR, Roland SR, C-Ram Phalanx SR, PPRU-1 "Dog Ear", HQ-7 SR, Hawk CWAR, NASAMS, Rapier Dagger, SA-11 Snow Drift, SA-10 "Big Bird", S-300PS 40B6MD SR	△	E-2D Hawkeye, E-3C Sentry, A-50
		8	Osa 9A33 In	A	Fire Can SON-9			▲	F-14, F-15C, F-15E, F-16, F-18C, JF-17, M-2000C, Mig-29, SU-27, MiG-31, Tornado IDS/GR4
2	SA-2 S-75 RD-75 Amazonka RF	10	SA-10 -300PS "Flap Lid"	A	Gepard, C-RAM Phalanx				
3	SA-3 S-125 "Low Blow" TR	11	SA-11 9K37 Buk	H	MIM-23 Hawk				
5	SA-5 S-200 "Square Pair" TR	15	SA-15 9K331 Tor	⌘	MIM-104 Patriot			⬆	F-1, AJS-37, F-4E, MiG-19, MiG-21, MiG-23, F-5E-3
6	SA-6 Kub "Straight Flush" TR	19	SA-19 2k22M Tunguska	R	Rapier, Roland				

SEA BASED THREATS									
4	Rezky, Albatros	9	Frigate Neustrashimy, CV 1143.5 Kuznetsov	A	Ropucha Class	G	O.H. Perry	S	Rezky Head Net SR, Neustrashimy SR, Invincible SR, Leander SR, Slava Class SR, Kuznetsov SR, Ropucha SR
6	Battlecruiser Pyotr Velikiy, Cruiser Moskva, Type 052C Destroyer	A	La Combattante II	C	CVN-71 Theodore Roosevelt, CVN-72 Abraham Lincoln, CVN-73 George Washington, CVN-74 John C Stennis, CVN-75 Harry S. Truman, USS Forrestal, LHA Tarrawa		Leander Class		
7	Type 054A Frigate, Type 052B Destroyer	A	Type 071, Leander Class				⌘ Ticonderoga, USS Arleigh Burke		

AIRCRAFT QUICK REFERENCE



F-5E
TIGER II



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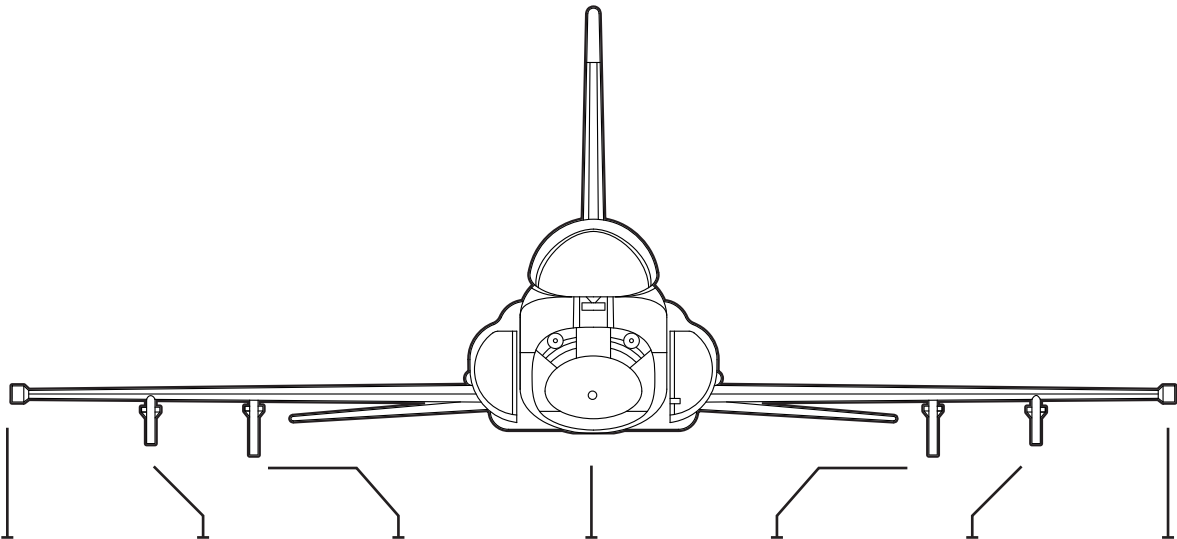
F-5E TIGER II

WEIGHT	CLEAN	15,562 lbs
	MAX	24,553 lbs
TAKE OFF	CLEAN	143 KTS
	23,000 lbs	185 KTS
LANDING	FLAPS	AUTO
	GEAR	300 KTS
	GROUND	145 KTS
TOP SPEED	GROUND	670 KTS
	36,000 FT	MACH 1.63
MAX ALTITUDE		54,000 FT
MAX RANGE	INTERNAL	870 NM
	EXTERNAL	1,780 NM
MAX G		7.3
MAXIMUM TURN RATE	CLEAN	466 KTS*
RADAR	MAX RNG	40 NM
GUN	560 ROUNDS	
COUNTER MEASURES	CHAFF	30
	FLARE	15

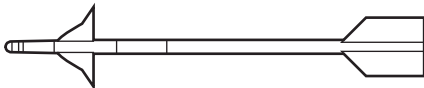
* 2 AIM-9s AND MAX POWER.

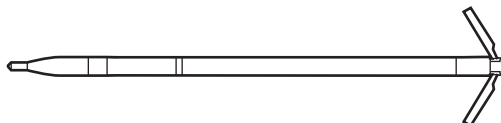
WEAPONS AVAILABLE ON STATION

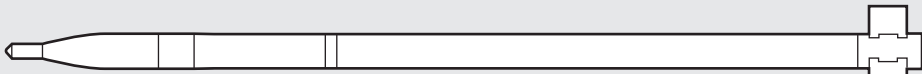
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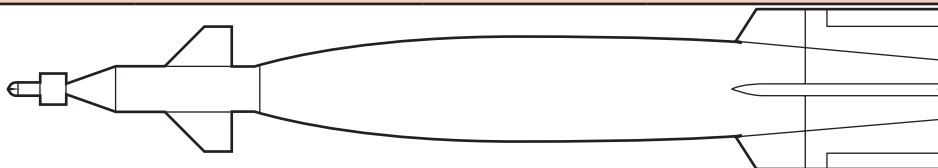

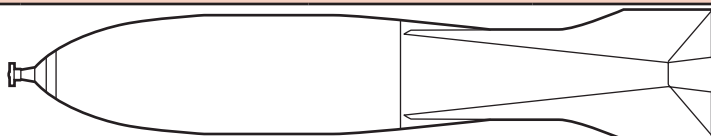




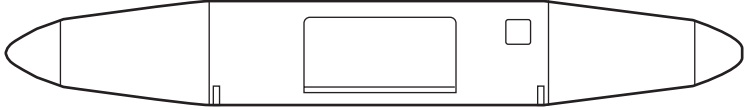
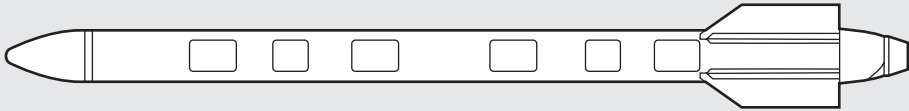
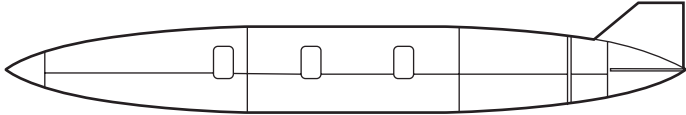

STATION			7	6	5	4	3	2	1
AIR TO AIR MISSILES	AIM-9	B	●						●
		P	●						●
		P5	●						●
ROCKETS	FFAR	M156		●	●		●	●	
		M257		●	●		●	●	
		MK5		●	●		●	●	
	HYDRA	M151		●	●		●	●	
		M156		●	●		●	●	
		M257		●	●		●	●	
		M274		●	●		●	●	
		MK1		●	●		●	●	
		MK5		●	●		●	●	
		MK61		●	●		●	●	
		WTU-1/8		●	●		●	●	
BOMBS	BDU	33		●	●	●	●	●	
		50HD		●	●	●	●	●	
		50LD		●	●	●	●	●	
		50LGB		●	●		●	●	
	CBU	52B		●	●	●	●	●	
	GBU	12		●	●		●	●	
	LUU	2		●	●		●	●	
	M117			●	●		●	●	
	MK	82		●	●	●●●	●	●	
		82SE		●	●	●●●	●	●	
		83			●	●	●		
		84				●			
PODS	AN/ASQ	T50 TCTS	●						●
	MXU	648			●	●	●		
	SMOKEWINDER		●						●
FUEL TANK		150 GAL			●	●	●		
		275 GAL			●	●	●		

AIR TO AIR WEAPONS						
WEAPON	TYPE	IMAGE				NAME
AIM-9	INFRARED					SIDEWINDER
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO
1, 7	B	2.5 nm 4.6 km	REAR	1-2	1956	Early model.
	P	10 nm 18.5 km	REAR		1975	Improved over B.
	P5		LIMITED FRONT			Improved over P.

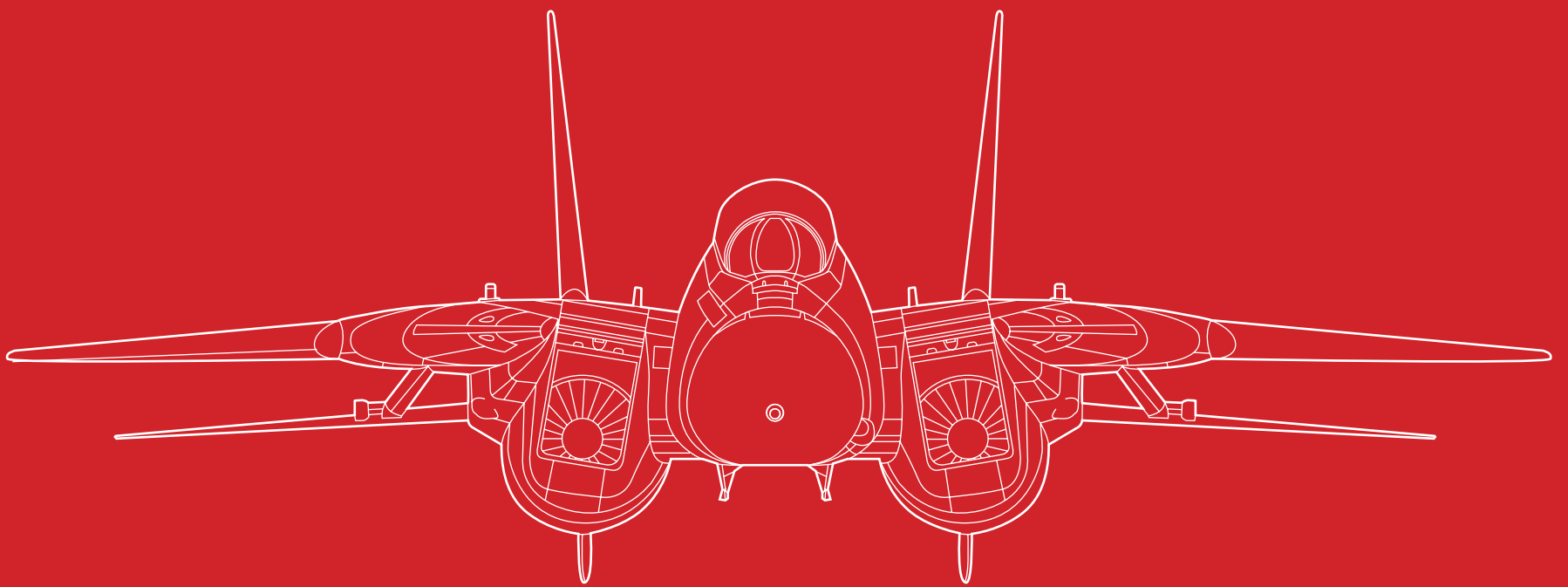
AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
FFAR	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 5, 6	M156	TARGET MARKING	LAU-3	19, 38, 57, 76	White phosphorus.
			LAU-68	7, 14, 21, 28	
	M257		LAU-3	19, 38, 57, 76	Parachute illumination.
			LAU-68	7, 14, 21, 28	
	MK5	HARD TARGET	LAU-3	19, 38, 57, 76	High explosive Anti-Tank warhead.
			LAU-68	7, 14, 21, 28	

WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 5, 6	M151	SOFT TARGET	LAU-3	19, 38, 57, 76	High Explosive.
			LAU-68	7, 14, 21, 28	
	M156	TARGET MARKING	LAU-3	19, 38, 57, 76	White phosphorus.
			LAU-68	7, 14, 21, 28	
	M257		LAU-3	19, 38, 57, 76	Parachute illumination.
			LAU-68	7, 14, 21, 28	
	M274		LAU-3	19, 38, 57, 76	Parachute smoke.
			LAU-68	7, 14, 21, 28	
	MK1	SOFT TARGET	LAU-3	19, 38, 57, 76	Unarmored targets. Blast fragmentation.
			LAU-68	7, 14, 21, 28	
	MK5	HARD TARGET	LAU-3	19, 38, 57, 76	High explosive Anti-Tank warhead.
			LAU-68	7, 14, 21, 28	
	MK61	TARGET MARKING	LAU-3	19, 38, 57, 76	Smoke.
			LAU-68	7, 14, 21, 28	
	WTU-1/8	PRACTICE TARGET	LAU-3	19, 38, 57, 76	Inert warhead for training purposes.
			LAU-68	7, 14, 21, 28	

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	33	TRAINING TARGET	25 lbs 11.3 kg	1-5	Training smoke.
2, 3, 4, 5, 6	50HD		500 lbs 226.8 kg		Training smoke. Mk-82.
2, 3, 4, 5, 6	50LD				Training smoke. Mk-82 AIR.
2, 3, 5, 6	50LGB		1-4	Training smoke. GBU-12.	
WEAPON	TYPE	IMAGE			
CBU	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	52B	SOFT TARGET	785 lbs 356 kg	1-5	High-explosive, high-drag.
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-4	Laser guided Mk-82.
WEAPON	TYPE	IMAGE			
LUU	ILLUMINATION FLARE				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	2	TARGET MARKING	30 lbs 13.6 kg	1-4	Illuminating targets.
WEAPON	TYPE	IMAGE			
M117	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6		MEDIUM STRUCTURE	750 lbs 340 kg	1-4	High-explosive.
WEAPON	TYPE	IMAGE			
MK					
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-9	High-explosive, low-drag.
	82SE				Mk-82 with high-drag fin kit.
		83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	1-5
4	84	HARD STRUCTURE	2000 lbs 907.2 kg	1	

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1, 7	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
MXU	TRAVEL		
STATION	VERSION	WEIGHT	INFO
3, 4, 5	648	662 lbs 300.3 kg	Travel/cargo pod.
POD	TYPE	IMAGE	
SMOKEWINDER	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 7		441 lbs 200 kg	Smoke pod for wing tip pylons.
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
150 GAL	3, 4, 5	148 lbs 67.1 kg	
275 GAL		230 lbs 104.3 kg	

AIRCRAFT QUICK REFERENCE



F-14 A/B
TOMCAT



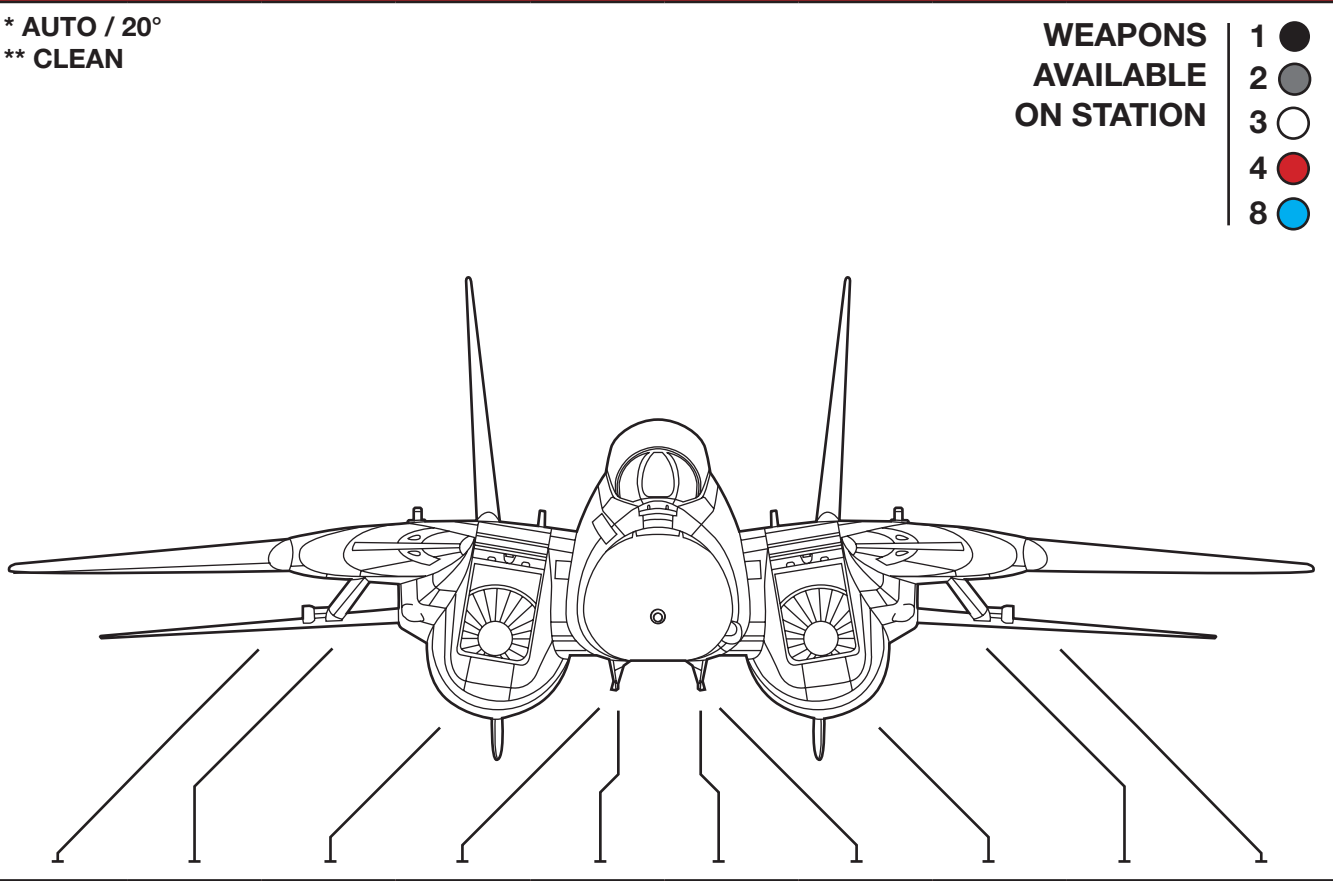
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F-14 A/B TOMCAT

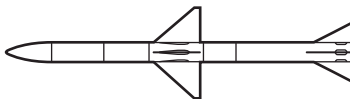
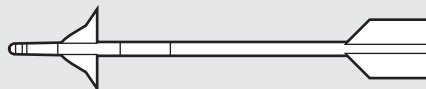
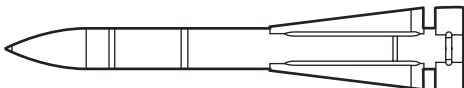
WEIGHT	CLEAN	44,040 LBS
	MAX	74,349 LBS
TAKE OFF	CLEAN	130 KTS
	LOADED	140 KTS
LANDING SHORE	WINGS*	280 KTS
	GEAR	250 KTS
	FLAPS	225 KTS
	GROUND	150 KTS
TOP SPEED	LOW ALT	850 KTS
	HIGH ALT	Mach 2.38**
MAX ALTITUDE		53,000
MAX RANGE	COMBAT	500 NM
	FERRY	1,600 NM
MAX G		7.5G
MAXIMUM TURN RATE	CLEAN	314 KTS
RADAR	MAX RNG	200 NM
GUN	676 ROUNDS	
COUNTER MEASURES	CHAFF	140
	FLARE	60

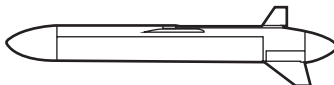


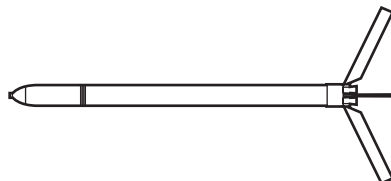
WEAPONS
AVAILABLE
ON STATION


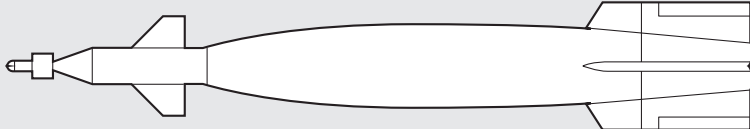
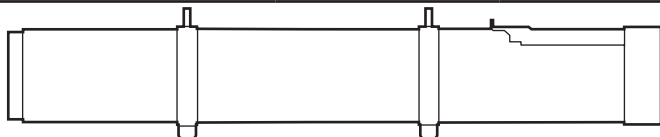

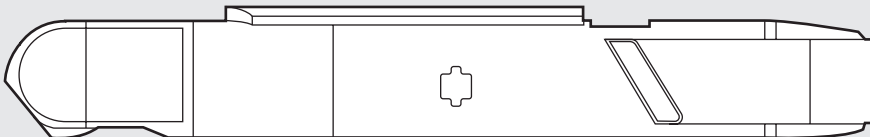
1 ●
2 ●
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4 ●
8 ●

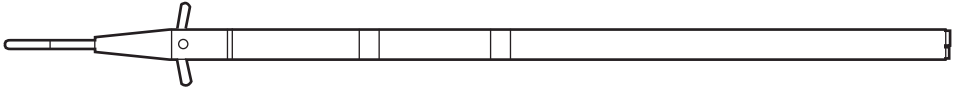
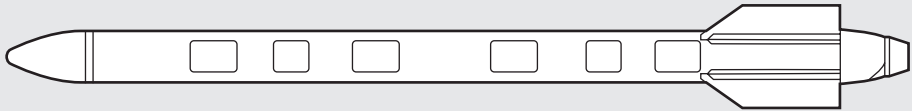
STATION			8A	8B	7	6	5	4	3	2	1B	1A
AIR TO AIR MISSILES	AIM-7	F		●		●	●	●	●		●	
		M		●		●	●	●	●		●	
		MH		●		●	●	●	●		●	
		P		●		●	●	●	●		●	
	AIM-9	L	●	●							●	●
		M	●	●							●	●
	AIM-54	A MK47		●		●	●	●	●		●	
		A MK60		●		●	●	●	●		●	
		C MK47		●		●	●	●	●		●	
AIR TO GROUND MISSILES	ADM-141					●	●	●	●			
ROCKETS	ZUNI	74		●●		●			●●		●●	
BOMBS	BDU	33		○		○●	○●	●○	●○		○	
		45		●		●●	●●	●●	●●		●	
		45B		●		●●	●●	●●	●●		●	
	GBU	10				●			●			
		12				●	●	●	●			
		16				●	●	●	●			
		24					●		●			
	LUU	2					●	●				
	MK	20		●		●	●	●	●		●	
		81		●		●	●	●	●		●	
		82		●		●●	●●	●●	●●		●	
		82 SE		●		●●	●●	●●	●●		●	
		82 AIR		●		●●	●●	●●	●●		●	
		83		●		○	○	○	○		●	
		84				●	●	●	●			
PODS	AN/AAQ	14 LANTIRN		●							●	
	AN/ASQ	T50 TCTS	●	●							●	●
	SMOKE WINDER		●									●
FUEL TANK		300 GAL			●					●		


AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-7	SEMI-ACTIVE RADAR					SPARROW	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1B, 3, 4, 5, 6, 8B	F	38 nm 70 km	ALL	1-9	1976	Improved range.	
	M				1982	Improved warhead.	
	MH				1985	Improved tracking and loft.	
	P				1987	Improved guidance.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1A, 1B, 4, 5, 8A, 8B	L	10 nm 18.5 km	ALL	1-8	1977	9G launch capable, CM resistant.	
	M				1982	Improved slightly over L.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-54	ACTIVE RADAR					PHOENIX	LONG
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1B, 3, 4, 5, 6, 8B	A MK47	120 nm 222.2 km	ALL	1-6	1974	Earliest model.	
	A MK60	145 nm 268.5 km			1976	High-thrust / long burn engine.	
	C MK47	130 nm 240.7 km			1986	Smokeless engine, improved seeker.	

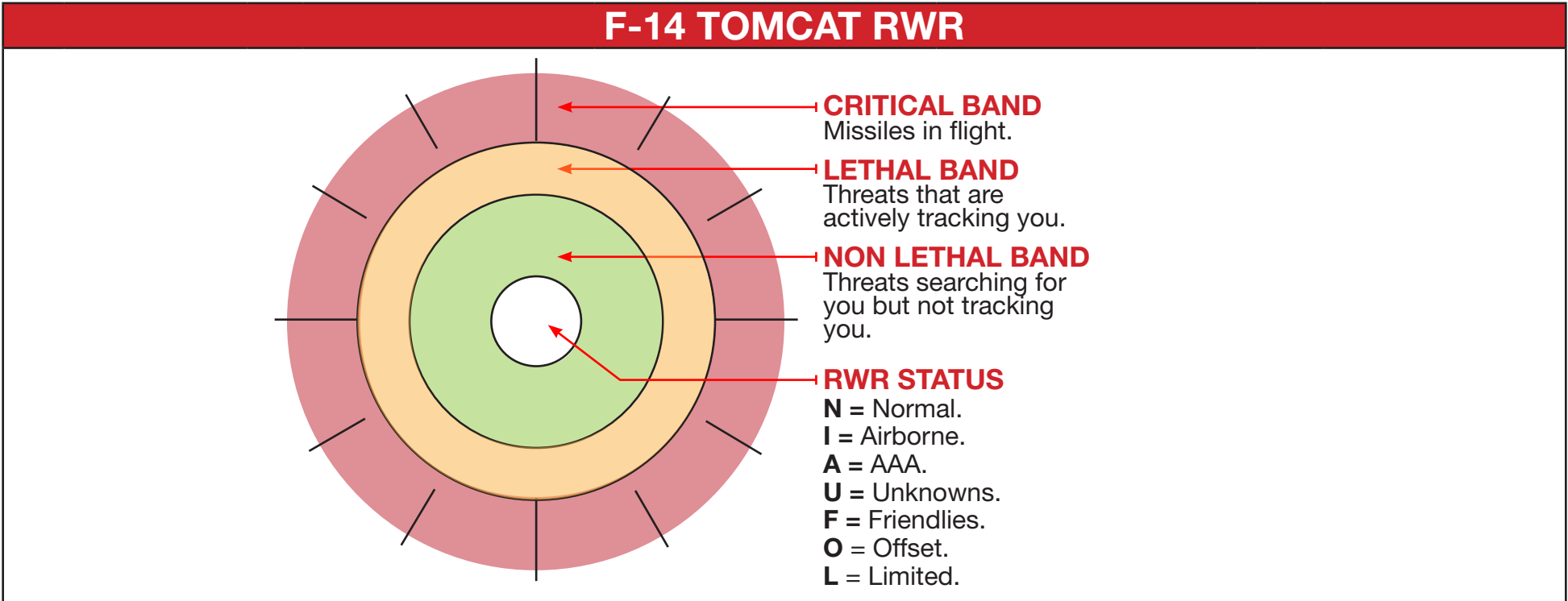
AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
ADM-141	DECOY					TALD	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 4, 5, 6		82 nm 150 km	AIR DEFENCE	1-4	1990	Tactical Air Launched Decoy. Range shown at 45,000ft @ M 0.9	


AIR TO GROUND - ROCKETS						
WEAPON	SIZE	IMAGE				
ZUNI	5 in 127 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
1B, 3, 6, 8B	MK71	SOFT TARGET	LAU-10	8, 12, 16, 20, 24	High explosive warhead.	

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1B, 3, 4, 5, 6, 8B	33	TRAINING TARGET	25 lbs 11.3 kg	3-4, 6, 8-9, 12, 16, 19, 21	Training smoke.
	45		500 lbs 226.8 kg	1-8, 12, 16, 18, 20	Training smoke. Mk-82.
	45B				
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 6	10	HARD STRUCTURE	2,000 lbs 907.2 kg	1-2	Laser guided Mk-84.
3, 4, 5, 6	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-4	Laser guided Mk-82.
	16	HARD STRUCTURE	1000 lbs 453.6 kg		Laser guided Mk-83.
3, 5	24			2,000 lbs 907.2 kg	1-2
WEAPON	TYPE	IMAGE			
LUU	ILLUMI- NATION FLARE				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
4, 5	2	TARGET MARKING	30 lbs 13.6 kg	8, 16	Illuminating targets.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1B, 3, 4, 5, 6, 8B	20	HARD TARGET	222.3 lbs 490 kg	1-4, 6, 8	High-drag HEAT.
	81	SOFT TARGET	250 lbs 113.4 kg	2, 4, 8, 12, 16, 18, 20	High-explosive, low-drag.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg		Mk-82 with high-drag fin kit.
	82 SE				Mk-82 with high-drag ballute kit.
	82 AIR				
3, 4, 5, 6	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	1-2, 6, 9, 12	High-explosive, low-drag.
	84	HARD STRUCTURE	2000 lbs 907.2 kg	1-4	
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
1B, 8B	14 LANTIRN	754 lbs 342 kg	IR/Laser target spotting and marking pod.		

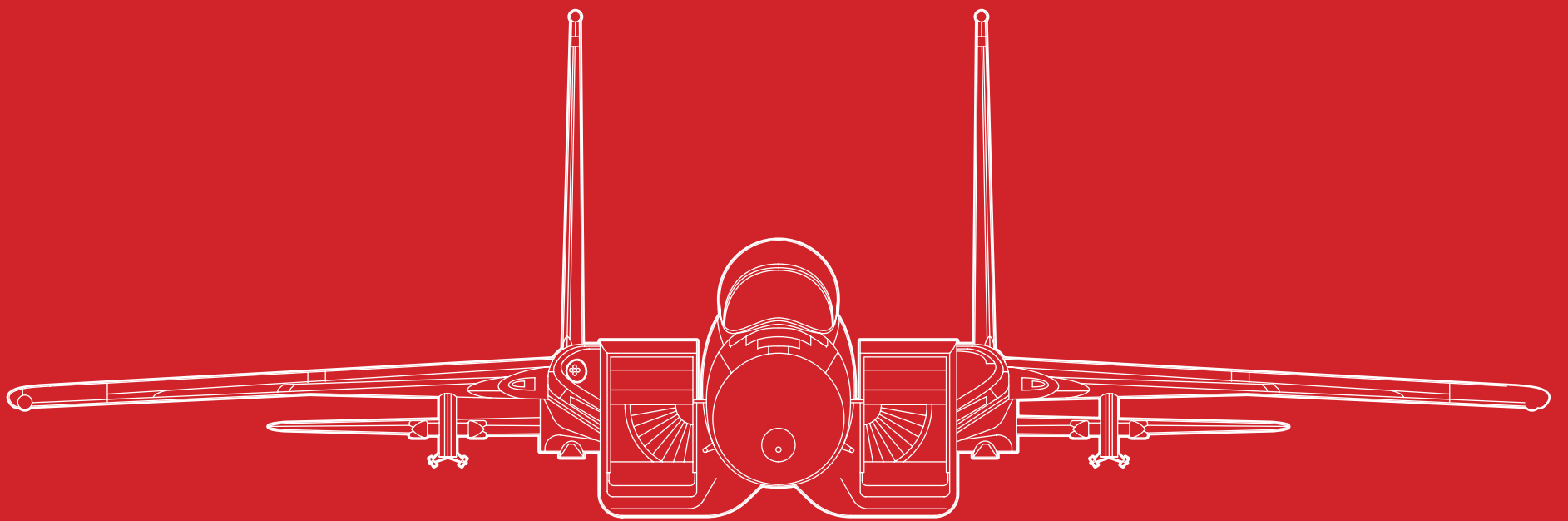
AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1A, 1B, 8A, 8B	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
SMOKEWINDER	SMOKE		
STATION	VERSION	WEIGHT	INFO
1A, 8A		441 lbs 200 kg	Smoke pod for wing tip pylons.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
300 GAL	2, 7	110 lbs 49.9 kg	



RWR SYMBOLOGY									
2	SA-2	23	MiG-23	AN	AN-26B	HA	Hawk	RO	Roland
3	SA-3	24	Su-24	AP	AH-64D	HK		S	IL13 & 55G6 EWR
6	SA-6	25	MiG-25	B1	B-1	HP	Oliver Hazard Perry	S3	S-3
8	SA-8	29	MiG-29, Su-27, Su-33	BB	S-300	HU	DDG-171	SH	SH-60B
10	SA-10	30	Su-30	BD		HX	Ka-27	SD	S-11 Snow Drift
11	SA-11	31	MiG-31	BE	Tu-95 or Tu-142	IL	IL-76, IL-78	SN	PRW-11 Side Net
12	S-300	34	Su-34	BF	Tu-22	KC	KC-130, KC-135	SV	Slava
13	SA-13, C130	39	Su-39	BJ	Tu-160	KJ	KJ-2000	T	ATC Radar
14	F-14	50	A-50	CS	S-300	KK	Krivak 3	TC	Ticonderoga
15	SA-15, F-15	52	B-52	DE	Dog Ear	KV	Kirov	TT	Tarantul
16	F-16	76	IL-76	E2	E-2C	M	Missile	TW	Tarawa
17	C-17	78	IL-78	E3	E-3	M2	M-2000	Y1	FFG-538
18	F/A-18	95	Tu-95	F4	F-4	N	Ship Nav Radar	<div> SURFACE SHIP</div>	
19	SA-19, MiG19	A	Gepard, Vulcan, Shilka	F5	F-5	NE	Neustrashimy		
21	MiG-21	AB	Arleigh Burke	GR	Grisha 5	NZ	Nimitz		
22	Tu-22	AK	Admiral Kuznetsov	GZ	DDG-168	PT	Patriot		

AIRCRAFT QUICK REFERENCE



F-15C
EAGLE



GOLDWOLF

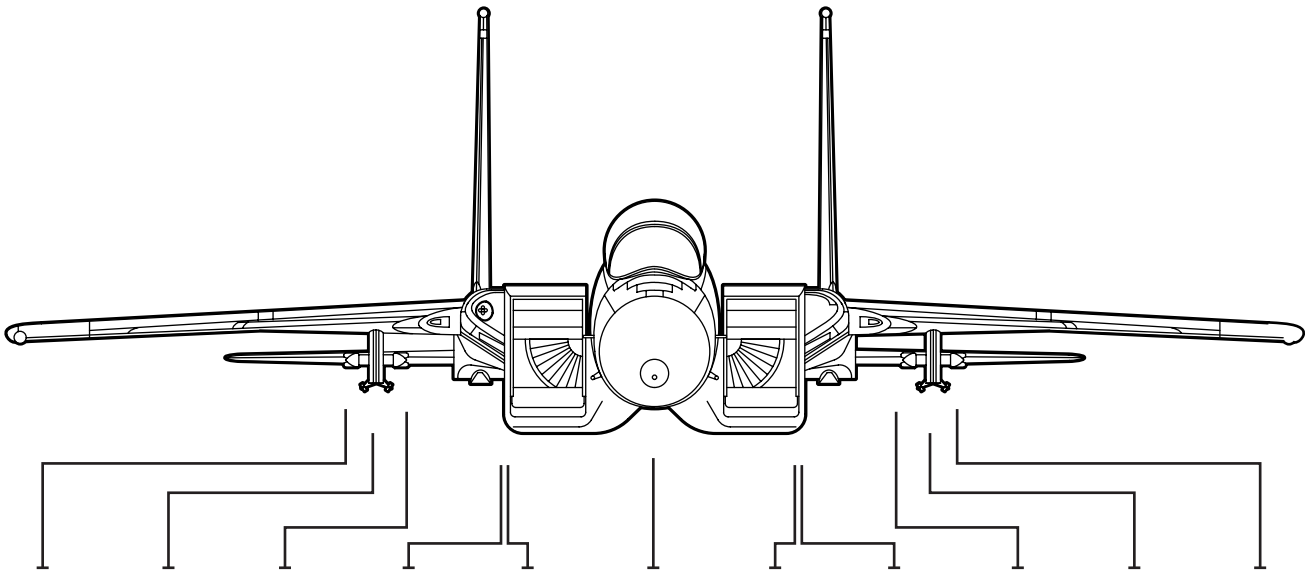
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F-15C EAGLE

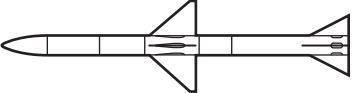
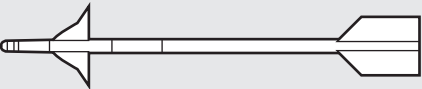
WEIGHT	CLEAN	29,498 LBS
	MAX	68,002 LBS
TAKE OFF	CLEAN	130 KTS
	LOADED	150 KTS
LANDING	FLAPS	250 KTS
	GEAR	230 KTS
	GROUND	150 KTS
TOP SPEED	SEA LEVEL	MACH 1.2
	45,000 FT	MACH 2.5
MAX ALTITUDE		58,000 FT
MAX RANGE	COMBAT	500 NM
	FERRY	3,000 NM
MAX G		9+ G
MAXIMUM TURN RATE	CLEAN	350 KTS
RADAR MAX RANGE		160 NM
GUN	940 ROUNDS	
COUNTER MEASURES	CHAFF	120
	FLARE	60

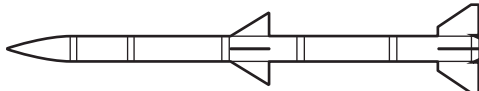

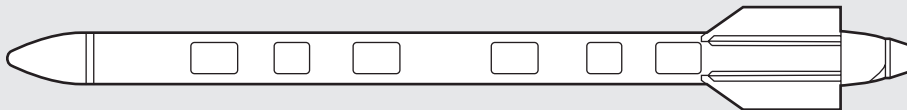

WEAPONS AVAILABLE ON STATION | 1 ●



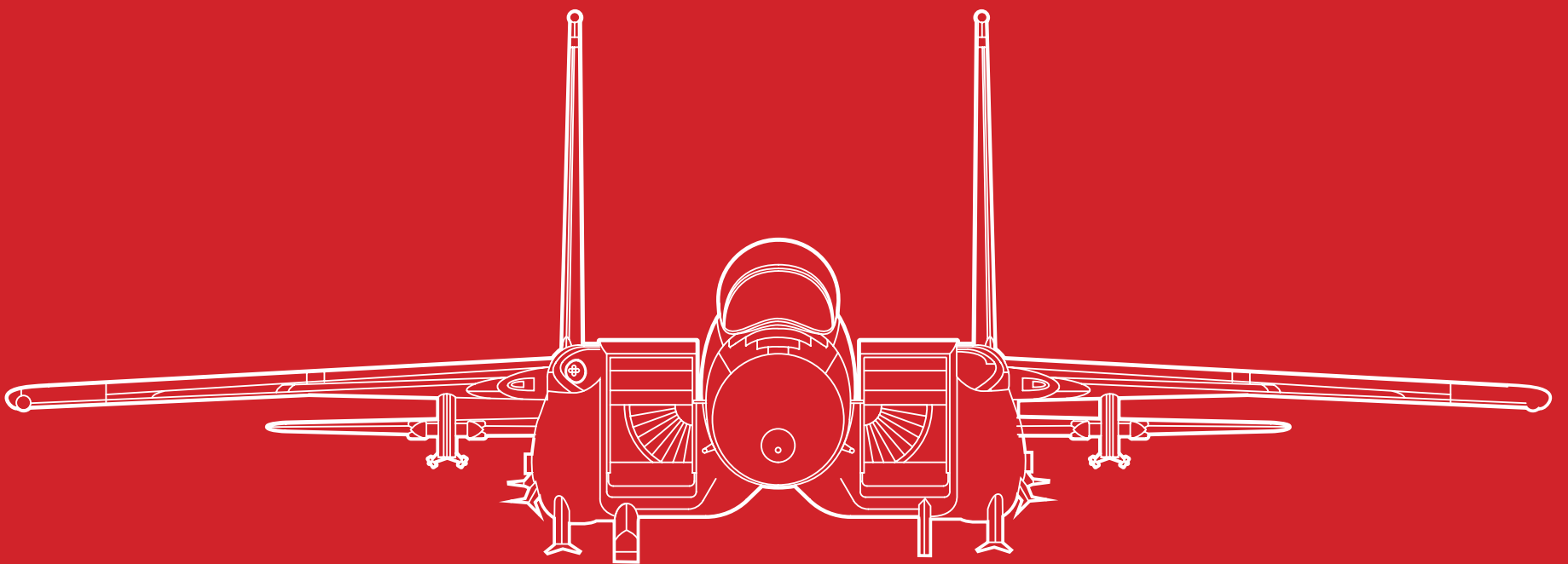
STATION			11	10	9	8	7	6	5	4	3	2	1
AIR TO AIR WEAPONS	AIM-7	E				●	●		●	●			
		F				●	●		●	●			
		M				●	●		●	●			
		MH				●	●		●	●			
	AIM-9	L	●		●						●		●
		M	●		●						●		●
		P	●		●						●		●
		P5	●		●						●		●
	AIM-120	B	●		●	●	●		●	●	●		●
		C-5	●		●	●	●		●	●	●		●
PODS	AN/ASQ	T-50 TCTS	●										●
	SMOKEWINDER		●										●
FUEL TANK		610 GAL		●				●				●	

AIR TO AIR WEAPONS

WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-7	SEMI-ACTIVE RADAR					SPARROW	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
4, 5, 7, 8	E	24 nm 45 km	ALL	1-4	1970	First model.	
	F	38 nm 70 km			1976	Improved range.	
	M				1982	Improved warhead.	
	MH				1985	Improved tracking and loft.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 3, 9, 10	L	10 nm 18.5 km	ALL	1-4	1977	9G launch capable, CM resistant.	
	M		REAR		1982	Improved slightly over L.	
	P				1975	Improved over B.	
	P5				LMT FRONT	1975	Improved over P.

WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-120	ACTIVE RADAR					AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 3, 4, 5, 7, 8, 9, 11	B	40 nm 75 km	ALL	1-8	1994	Improved variant over A.	
	C-5	60 nm 111 km		1-8	1996	Smaller control surfaces over B.	
AIR TO GROUND - PODS							
POD	TYPE	IMAGE					
AN/ASQ	TRAINING						
STATION	VERSION	WEIGHT	INFO				
1, 11	T-50 TCTS	139 lbs 63 kg	Recording/simulation pod.				
POD	TYPE	IMAGE					
SMOKE WINDER	SMOKE						
STATION	VERSION	WEIGHT	INFO				
1, 11		441 lbs 200 kg	Smoke pod for wing tip pylons.				
FUEL TANKS							
TANK	STATION	WEIGHT	IMAGE				
610 GAL	2, 6, 10	320 lbs 145.2 kg					

AIRCRAFT QUICK REFERENCE



F-15E STRIKE EAGLE



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F-15E STRIKE EAGLE

WEIGHT	CLEAN	38,936 LBS
	MAX	81,002 LBS
TAKE OFF	CLEAN	145 KTS
	LOADED	160 KTS
LANDING	FLAPS/GEAR	250 KTS
	GROUND	150 KTS
TOP SPEED	SEA LEVEL	MACH 1.2
	45,000 FT	MACH 1.6+
MAX ALTITUDE		60,000 FT
MAX RANGE	COMBAT	690 NM
	FERRY	3,000 NM
MAX G		+9 G
MAXIMUM TURN RATE		350 KTS*
RADAR MAX RANGE		160 NM
GUN	500 ROUNDS	
COUNTER MEASURES		C:120 F:60

* Based on F-15C specifications

NOTE:
R CFT and 7C/6C, L CFT and 3C/4C can only use one type of weapon at a time, either air to air or air to ground. Also there are some restrictions on the CFTs/Pylons when carrying weapons or tanks.

WEAPONS AVAILABLE ON STATION

1

2

3

4

6

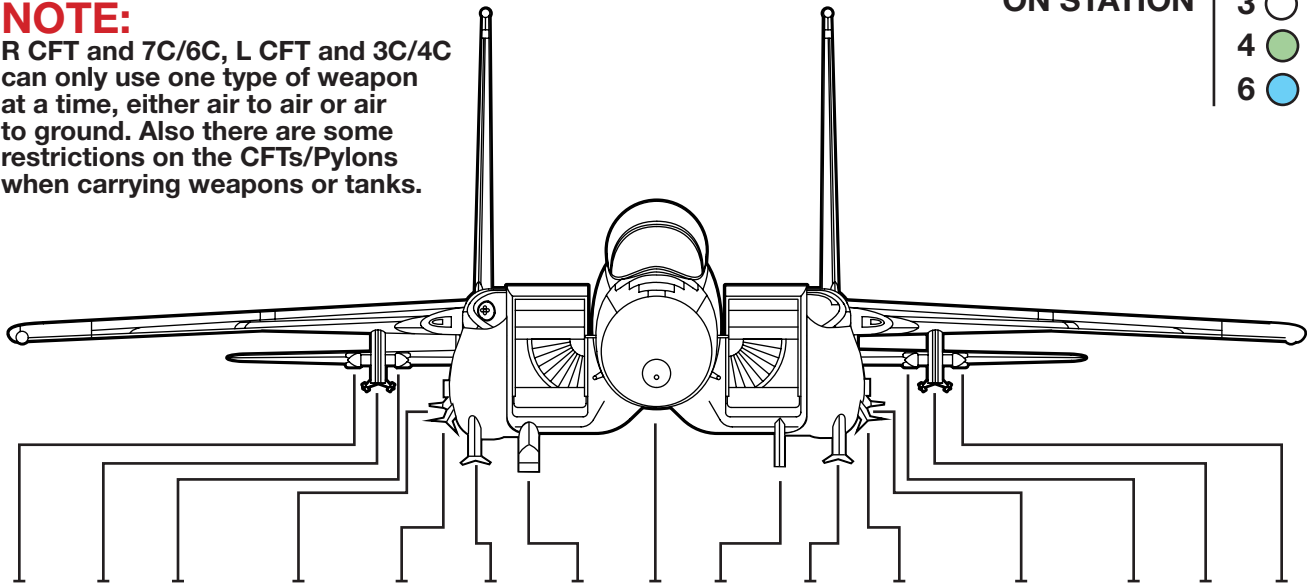
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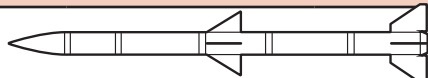
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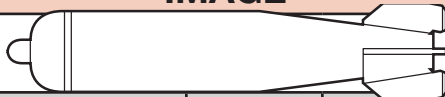
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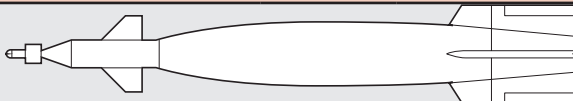
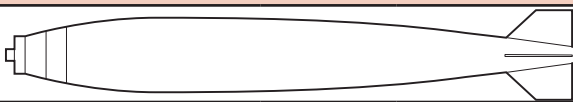
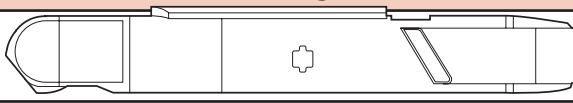
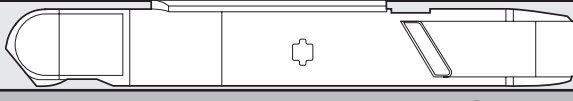

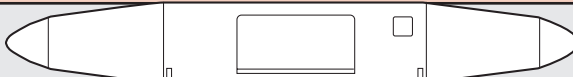
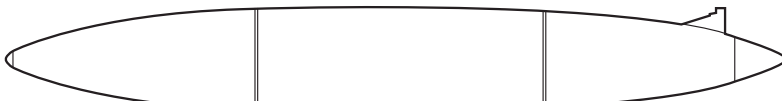


STATION			8B	8	8A	R CFT	7C	6C	NVP	5	TGP	4C	3C	L CFT	2B	2	2A
AIR TO AIR WEAPONS	AIM-7	F					●	●				●	●				
		M					●	●				●	●				
		MH					●	●				●	●				
	AIM-9	J	●		●										●		●
		L	●		●										●		●
		M	●		●										●		●
		P	●		●										●		●
		CAPTIVE M	●		●										●		●
	AIM-120	B	●		●		●	●				●	●		●		●
		C-5	●		●		●	●				●	●		●		●
AIR TO GROUND MISSILES	AGM-154	A		●		●				●				●		●	
BOMBS	BDU	50HD		●		●○●				●				●○●		●	
		50HD INERT		●		●				●				●		●	
		50LD		●		●○●				●				●○●		●	
		50LD INERT		●		●				●				●		●	
		50LGB				●●								●●			
		50LGB INERT		●		●				●				●		●	
	BLU	107				○●								●○			
	CBU	87		●		○●				●				●○		●	
		97		●		○●				●				●○		●	
	GBU	10		●		●○				●				○●		●	
		12		●		●●●				●				●●●		●	
		24		●		●				●				●		●	
		31		●		●●				●				●●		●	
		38		●		○				●				○		●	
		54		●		○				●				○		●	
		80		●		○●				●				●○		●	
	MK	82		●		●●○●				●				●○●●		●	
		82 AIR		●		●●○●				●				●○●●		●	
		82 SE		●		●●○●				●				●○●●		●	
		84		●		●○				●				○●		●	
		84 AIR GP		●		●○				●				○●		●	
		84 AIR TP		●		●○				●				○●		●	
PODS	AN/AAQ	13 LANTIRN							●								
	AN/AAQ	14 LITENING								●	●						
	AN/AXQ	14 DATALINK								●							
	MXU	648B		●		●	●			●		●	●			●	
FUEL TANKS		610 GAL		●						●						●	

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-7	SEMI-ACTIVE RADAR					SPARROW	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3C, 4C, 6C, 7C	F	38 nm 70 km	ALL	1-4	1976	Improved range.	
	M				1982	Improved warhead.	
	MH				1985	Improved tracking and loft.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2A, 2B, 8A, 8C	J	10 nm 18.5 km	ALL	1-4	1977	9G launch capable, CM resistant.	
	L				1982	Improved slightly over L.	
	M		REAR		1975	Improved over B.	
	P		LMT FRONT			Improved over P.	
	CAPTIVE M	N/A	N/A			Inert version.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-120	ACTIVE RADAR					AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2A, 2B, 3C, 4C, 6C, 7C, 8A, 8C	B	40 nm 75 km	ALL	1-8	1994	Improved variant over A.	
	C-5	60 nm 111 km			1996	Smaller control surfaces over B.	

AIR TO GROUND - MISSILES						
WEAPON	TYPE	IMAGE				NAME
AGM-154	GLIDE BOMB					JSOW
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, L CFT, 5, R CFT, 8	A	12 - 70 nm 22 - 130 km	SOFT TARGET	1-5	1998	GPS/INS guided. 145 bomb submunitions.

AIR TO GROUND - BOMBS						
WEAPON	TYPE	IMAGE				
BDU	TRAINING					
STATION	VERSION	TARGET	WEIGHT	QTY	INFO	
2, L CFT, 5, R CFT, 8	50HD	TRAINING TARGET	500 lbs 226.8 kg	1-15	Training smoke. Mk-82 AIR.	
	50HD INERT			5	Training inert. Mk-82 AIR.	
	50LD			1-15	Training smoke. Mk-82.	
	50LD INERT			5	Training inert. Mk-82.	
	50LGB			2-8	Training smoke. GBU-12.	
	50LGB INERT			5	Training inert. GBU-12.	
WEAPON	TYPE	IMAGE				
BLU	ANTI RUNWAY					
STATION	VERSION	TARGET	WEIGHT	QTY	INFO	
L CFT, R CFT	107	RUNWAY	750 lbs 340 kg	3-12	Parachute deployed anti-runway bomb.	
WEAPON	TYPE	IMAGE				
CBU	CLUSTER					
STATION	VERSION	TARGET	WEIGHT	QTY	INFO	
2, L CFT, 5, R CFT, 8	87	SOFT TARGET	950 lbs 431 kg	1-15	High-explosive, high-drag.	
	97	ANTI-ARMOR	1000 lbs 453.6 kg		High-drag.	

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, L CFT, 5, R CFT, 8	10	HARD TARGET	2,000 lbs 907.2 kg	1-9	Laser guided Mk-84.
	12	MED STRUCTURE	500 lbs 226.8 kg	1-11	Laser guided Mk-82.
	24	HARD TARGET	2,000 lbs 907.2 kg	1-5	Laser guided Mk-84 with penetrator.
	31			1-7	INS guided bomb. 2 types.
	38	MED STRUCTURE	500 lbs 226.8 kg	1-9	INS guided Mk-82.
	54				Dual guidance Mk-82.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, L CFT, 5, R CFT, 8	20	ANTI-ARMOR	222.3 lbs 490 kg	3-12	Cluster Bomb.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-15	High-explosive, low-drag.
	82 SE		1000 lbs 453.6 kg		Mk-82 with high-drag fin kit.
	82 AIR				Mk-82 with high-drag ballute kit.
	84	HARD TARGET	2000 lbs 907.2 kg	1-9	High-explosive, low-drag.
	84 AIR GP				High-explosive, high-drag.
	84 AIR TP	TRAINING	Training		
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
NVP	13 LANTIRN	520 lbs 236 kg	NAVFLIR/TFR pod.		
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
TGP	14 LITENING	622 lbs 282 kg	IR/Laser target spotting and marking pod.		
POD	TYPE	IMAGE			
AN/AXQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
5	DATALINK	661 lbs 300 kg	Data link pod.		
POD	TYPE	IMAGE			
MXU	TRAVEL				
STATION	VERSION	WEIGHT	INFO		
2, L CFT, 3C, 7C, R CFT, 8	648	662 lbs 300.3 kg	Travel/cargo pod.		
FUEL TANKS					
TANK	STATION	WEIGHT	IMAGE		
610 GAL	2, 5, 8	320 lbs 145.2 kg			

AIRCRAFT QUICK REFERENCE



**F-16CM VIPER
BLOCK 50**



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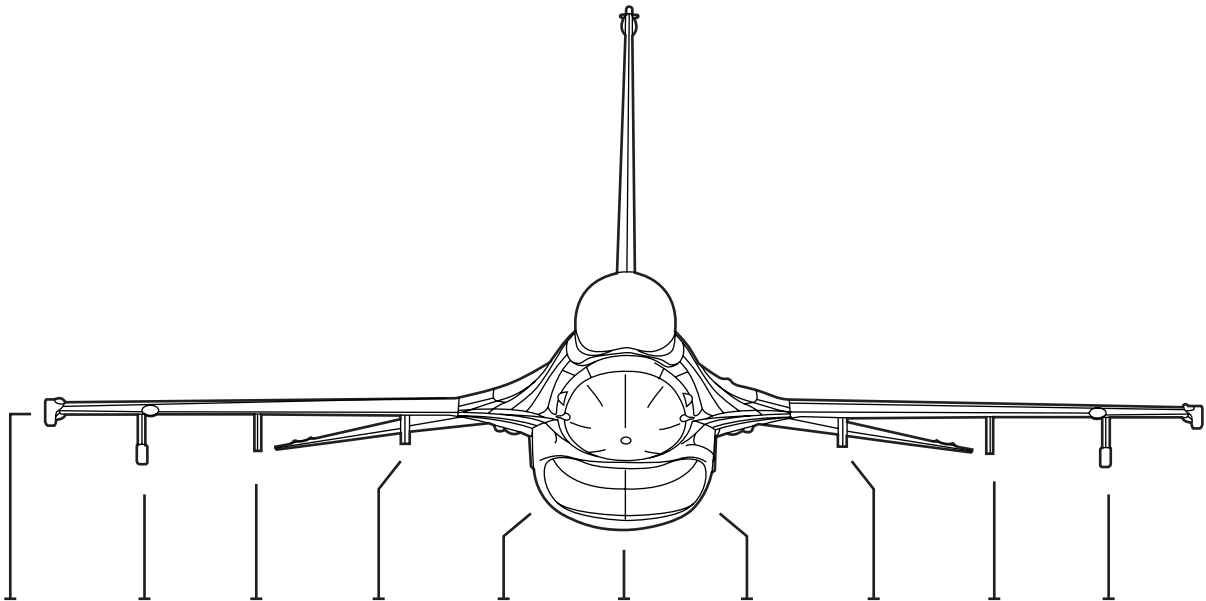
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F-16CM VIPER BLOCK 50

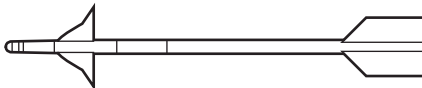
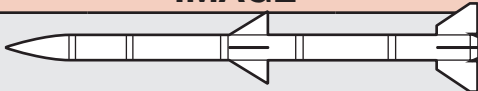
WEIGHT	CLEAN	19,899 lbs
	MAX	48,000 lbs
TAKE OFF	CLEAN	128 KTS
	44,000 lbs	198 KTS
LANDING	FLAPS	AUTO
	GEAR	220 KTS
TOP SPEED	LOW	800 KTS
	30,000	2.05 MACH
MAX ALTITUDE		59,000 FT
MAX RANGE	COMBAT	300 NM
	FERRY	2,270 NM
MAX G	CLEAN	+9G -3G
MAX TURN RATE	CLEAN	397 KTS
RADAR	MAX RNG	120 nm
GUN	512 ROUNDS	
COUNTER MEASURES	CHAFF	60
	FLARES	60




WEAPONS
AVAILABLE
ON STATION


1 ●
2 ●
3 ○





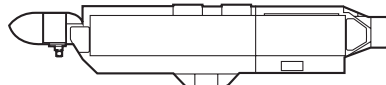




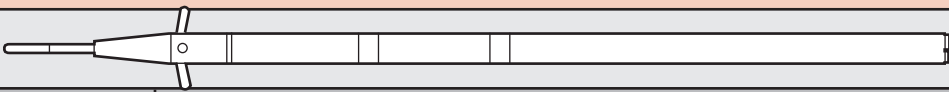
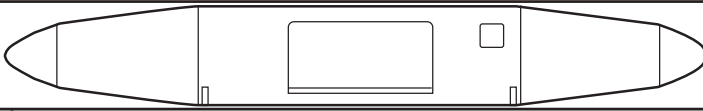
STATION			9	8	7	6	5R	5	5L	4	3	2	1
AIR TO AIR MISSILES	AIM-9 M-CAP ALSO AVAILABLE	L	●	●	●						●	●	●
		M	●	●	●						●	●	●
		P, P3, P5	●	●	●						●	●	●
		X	●	●	●						●	●	●
	AIM-120	B	●	●	●						●	●	●
		C-5	●	●	●						●	●	●
AIR TO GROUND MISSILES	AGM-65	D			○●●						●●○		
		G			●						●		
		H			○●●						●●○		
		K			●						●		
	AGM-88	C			●	●				●	●		
	AGM-154	A			●●						●●		
ROCKETS	HYDRA	M151			●	●				●	●		
		M156			●	●				●	●		
		MK5			●	●				●	●		
		MK61			●	●				●	●		
		WTU-1/8			●	●				●	●		
BOMBS	BDU	33			○	○				○	○		
	CBU	87			●●	○●●				●●○	●●		
		97			●●	○●●				●●○	●●		
		103			●●						●●		
		105			●●						●●		
	GBU	10			●	●				●	●		
		12			●●	●				●	●●		
		24			●						●		
		31(V)1/B			●						●		
		31(V)3/B			●						●		
		38			●●						●●		
	MK	82			○●●	○●●				●●○	●●○		
		82 SE			○●●	○●●				●●○	●●○		
		82 AIR			○●●	○●●				●●○	●●○		
		84			●	●				●	●		
PODS	ALQ	184			●			●			●		
	AN/AAQ	28 LITENING					●						
	AN/ASQ	213 HTS							●				
	AN/ASQ	T50 TCTS	●	●	●						●	●	●
	MXU	648			●	●		●		●	●		
FUEL TANKS		300 GAL						●					
		370 GAL				●				●			

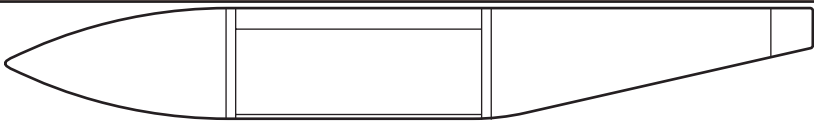
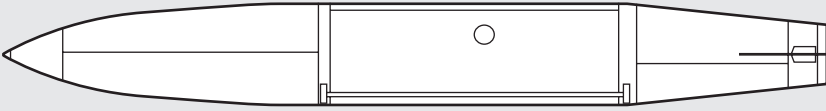
AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 7, 8, 9 M-CAP training version also available	L	10 nm 18.5 km	ALL	1-6	1977	9G launch capable, CM resistant	
	M				1982	Improved slightly over L	
	P, P3, P5	REAR, LMTD FRONT	1975		Improved over B.		
	X	20 nm 37 km	ALL		2003	High off boresight	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-120	ACTIVE RADAR					AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 7, 8, 9	B	40 nm 75 km	ALL	1-6	1994	Improved variant over A	
	C-5	60 nm 111 km			1996	Smaller control surfaces over B	

AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
AGM-65	AIR TO SURFACE					MAVERICK	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 7	D	8 nm 15 km	ANTI-ARMOR	1-6	1975	Infrared Seeker. Shaped charge.	
	G	15 nm 27 km	HARD TARGET	1-2		Infrared Seeker. Penetrating blast fragmentation.	
	H	5 nm 9 km	ANTI-ARMOR	1-6		Electro-Optical TV. Shaped charge.	
	K	5 nm 9 km	HARD TARGET, SHIP	1-2	1986	Electro-Optical TV. Shaped charge.	
WEAPON	TYPE	IMAGE				NAME	
AGM-88	ANTI-RADIATION					HARM	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 4, 6, 7	C	80 nm 150 km	RADAR	1-2	1983	Can detect and home in on multiple radar antennas or transmitters.	
WEAPON	TYPE	IMAGE				NAME	
AGM-154	GLIDE BOMB					JSOW	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 7	A	12 - 70 nm 22 - 130 km	SOFT TARGET	1-4	1998	GPS/INS guided. 145 bomb submunitions.	

AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
HYDRA	2.75 in 70 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
3*, 4, 6, 7* * LAU-68 & LAU-131 can only be mounted on these stations.	M151	SOFT TARGET	LAU-3/61, 68, 131	19, 38, 57, 66, 76	High Explosive.		
	M156	TARGET MARKING			White phosphorus.		
	MK5	HARD TARGET			High Explosive Anti-Tank warhead.		
	MK61	TARGET MARKING			Smoke.		
	WTU-1/8	PRACTICE TARGET			Inert warhead for training purposes.		

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	33	SOFT TARGET	25 lbs 11.3 kg	3, 6	Training smoke.
WEAPON	TYPE	IMAGE			
CBU	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	87 CEM	SOFT TARGET	950 lbs 431 kg	1-6	High-explosive, high-drag.
	97 SFW	ANTI-ARMOR	1000 lbs 453.6 kg		High-drag.
3, 7	103	SOFT TARGET	950 lbs 431 kg		1-4
	105	ANTI-ARMOR	1000 lbs 453.6 kg	INS-guided, wind-corrected CBU-97.	
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	10	HARD TARGET	2,000 lbs 907.2 kg	1-2	Laser guided Mk-84.
	12	MED STRUCTURE	500 lbs 226.8 kg	1-4	Laser guided Mk-82.
3, 7	24	HARD TARGET	2,000 lbs 907.2 kg	1-2	Laser guided Mk-84 with penetrator.
	31(V)1/B				INS guided Mk-84.
	31(V)3/B				INS guided BLU-109 hardened penetration.
	38	MED STRUCTURE	500 lbs 226.8 kg	1-4	INS guided Mk-82.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-6	High-explosive, low-drag.
	82 SE		1000 lbs 453.6 kg		Mk-82 with high-drag fin kit.
	82 AIR				Mk-82 with high-drag ballute kit.
	84	HARD TARGET	2000 lbs 907.2 kg	1-2	High-explosive, low-drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
ALQ	ECM				
STATION	VERSION	WEIGHT	INFO		
3, 5, 7	184	648 lbs 294 kg	Electronic countermeasures pod.		
	184 LONG	805 lbs 365 kg			
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
5R	28 LITENING	458 lbs 207.7 kg	IR/Laser target spotting and marking pod.		
POD	TYPE	IMAGE			
AN/ASQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
5L	213 HTS	126 lbs 57 kg	HARM targeting pod. Used to locate SAM radar emitters.		

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1, 2, 3, 7, 8, 9	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
MXU	TRAVEL		
STATION	VERSION	WEIGHT	INFO
3, 4, 5, 6, 7	648	662 lbs 300.3 kg	Travel/cargo pod.

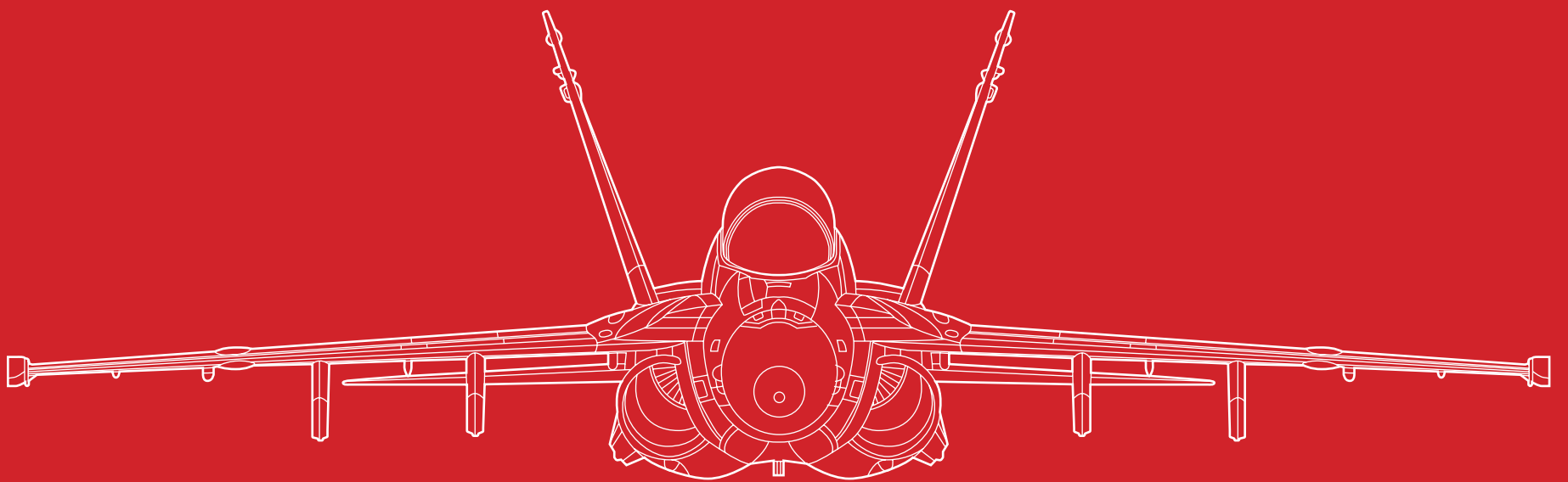
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
300 GAL	5	770 lbs 349.3 kg	
TANK	STATION	WEIGHT	IMAGE
370 GAL	4, 6	556 lbs 252.2 kg	

HOTAS											
SOI	TMS						SOI	DMS			
	FORWARD	AFT	LEFT		RIGHT			FORWARD	AFT	LEFT	RIGHT
	SHORT	SHORT	SHORT	LONG	SHORT	LONG		SHORT	SHORT	SHORT	SHORT
TGP	POINT TRACK	TARGET REJECT	POLARITY SWAP		AREA TRACK		TGP	SOI TO HUD	SOI MFD SWAP	NEXT LEFT MFD	NEXT RIGHT MFD
WPN	TRACK						WPN				
FCR	RWS SPOTLIGHT ACM BORE		INTERROGATE ALL	INTERROGATE TARGET	TWS BUG STEP	TWS/RWS SWAP	FCR				
HUD	DTOS/EO-VIS DESIGNATE						HUD		SOI TO MFD		
HSD	DESIGNATE	DROP									

SOI	CMS				IMAGE BASED VERSION	
	FORWARD	AFT	LEFT	RIGHT		
ALL	DISPENSE MANUAL SELECTED PROGRAM	GIVES CONSENT TO SEMI AND ENABLES AUTO DISPENSE MODE	DISPENSE PROGRAM 6	DISABLE AUTO DISPENSE MODE	<div> <div> <div>HSD</div> <div>TGP</div> <div>HUD</div> <div>FCR</div> <div>WPN</div> </div> <div> <div>FORWARD</div> <div>HSD</div> <div>TGP</div> <div>HUD</div> <div>FCR</div> <div>WPN</div> </div> <div> <div>DESIGNATE</div> <div>POINT TRACK</div> <div>DTOS/EO-VIS DESIGNATE</div> <div>RWS SPOTLIGHT ACM BORE</div> <div>WPN TRACK</div> </div> </div> <div> <div>The full sized image of this can be found on this website to download.</div> </div>	

HARM HAS/HTS TABLE															
HAS	HAD	ID	RWR	NAME	HAS	HAD	ID	RWR	NAME	HAS	HAD	ID	RWR	NAME	
1		103	CS	SA-10 SR		2	129	5	SA-5 SR		7	125	RT	RAPIER FSA	
		104	BB	SA-10 SR		4	101	S	EWR			201	RO	ROLAND ADS	
		107	SD	SA-11 SR			102					203	HK	HAWK SR	
		110	10	SA-10 TR		5	301	SW	CV KUZNETSOV			204	HK	HAWK TR	
		115	11	SA-11 LN			303	T2	CG MOSKVA			205	RO	ROLAND SR	
2	1	119	15	SA-15 TOR	306		HP	FFL GRISHA	206	HK	HAWK CWAR				
	2	117	8	SA-8 OSA	309		TP	FF REZKY	8	207	A	AAA GEPARD			
	3	109	DE	CP SBORKA	312		PS	FSG MOLNIYA		208		AAA VULCAN			
		120	19	SA-19 TUNGUSKA	313		HN	CGN VELIKIY	10	315	AE	TICONDEROGA			
		121	A	AAA SHILKA	319		TP	FFB NEUSTRA		401	49	OLIVER PERRY			
3	2	108	6	SA-6 STR	320		SW	CV KUZNETSOV		402	SS	CVN-70 VINSON			
		118	13	SA-13 STRELA	408		PS	TYPE 071		403		CVN-71 ROOSEVELT			
		122	5	SR P-19	409		MR	TYPE 052B		404		CVN-72 LINCOLN			
		123	3	SA-3 TR	410		HN	TYPE 052C		405		CVN-73 WASHINGTON			
		126	2	SA-2 TR	411		MR	TYPE 054A		406		CVN-74 STENNIS			
	1	127	7	HQ7 LN		6	202	P		PATRIOT STR			407	40	LHA TARAWA
		128	HQ	HQ7 STR			209	NS		NASAMS SR			412	AE	DDG ARLEIGH BURKE
		130	TS	SA-5 SR		7	124	RP		RAPIER FSA			413	SS	CVN-75 TRUMAN

AIRCRAFT QUICK REFERENCE



**F/A-18C
HORNET**



GOLDWOLF

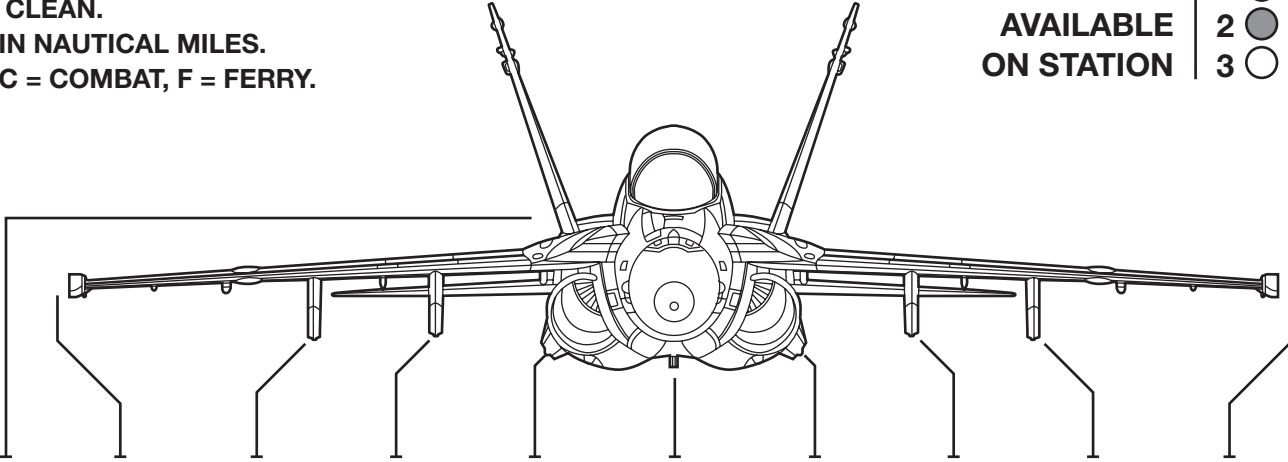
05/30/24

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F/A-18C HORNET

WEIGHT	CLEAN	25,093 LBS
	MAX	51,899 LBS
TAKE OFF	CLEAN	130
	LOADED*	150
LANDING	FLAPS/GEAR	250
	GROUND	150
TOP SPEED	LOW ALT	766 KTS
	HIGH ALT**	MACH 1.85
MAX RNG §	C: 400	MAX ALT 69,800 FT
	F:1,800	MAX G +9G
RDR RNG	160 NM	MAX RATE 361 KTS**
GUN	578 ROUNDS	
COUNTER MEASURES	CH:60 FL:60	

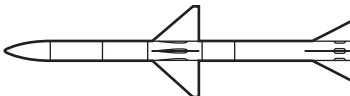
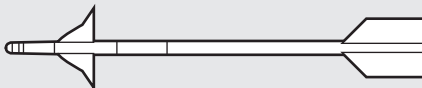
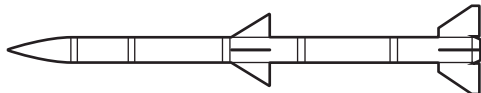
* APPROXIMATELY 45,000 LBS.
** CLEAN.
§ IN NAUTICAL MILES.
C = COMBAT, F = FERRY.

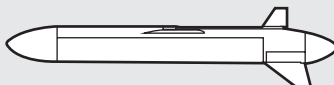
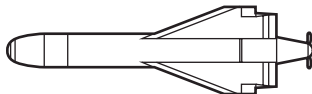
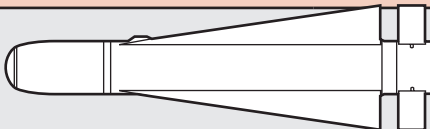


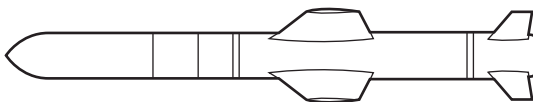


WEAPONS AVAILABLE ON STATION

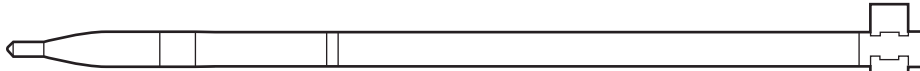
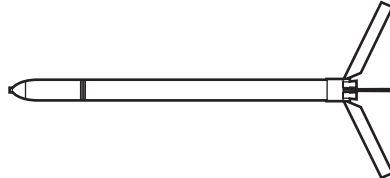
1 ●
2 ●
3 ○



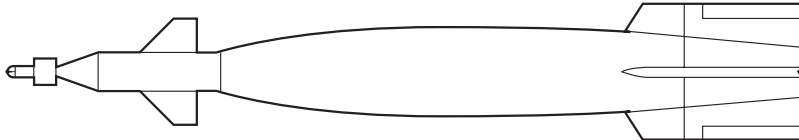

STATION			10	9	8	7	6	5	4	3	2	1
AIR TO AIR MISSILES	AIM-7	F			●	●	●		●	●	●	
		M			●	●	●		●	●	●	
		MH			●	●	●		●	●	●	
		P			●	●	●		●	●	●	
	AIM-9	L		●	●●						●●	●
		M		●	●●						●●	●
		X		●	●●						●●	●
	AIM-120	B			●●	●●	●		●	●●	●●	
		C-5			●●	●●	●		●	●●	●●	
AIR TO GROUND MISSILES	ADM-141				●●○	●●○				○●●	○●●	
	AGM-62				●						●	
	AGM-65	E			●	●				●	●	
		F			●	●				●	●	
	AGM-84	D			●	●				●	●	
		E			●	●				●	●	
		H			●	●				●	●	
	AGM-88	C			●	●				●	●	
	AGM-154	A			●●	●●				●●	●●	
		C			●●	●●				●●	●●	
ROCKETS	HYDRA	M151			●●	●●				●●	●●	
		MK5			●●	●●				●●	●●	
	ZUNI	MK71			●●	●●				●●	●●	
BOMBS	BDU	45			●●	●●		●●		●●	●●	
		45B			●●	●●		●●		●●	●●	
		45LG			●●	●●				●●	●●	
	CBU	99			●●	●●		●●		●●	●●	
	GBU	10			●	●				●	●	
		12			●●	●●				●●	●●	
		16			●	●				●	●	
		24			●	●				●	●	
		31(V)1/B			●	●				●	●	
		31(V)2/B			●	●				●	●	
		31(V)3/B			●	●				●	●	
		31(V)4/B			●	●				●	●	
		32(V)2/B			●	●				●	●	
		38			●●	●●				●●	●●	
	MK	20			●●	●●		●●		●●	●●	
		82			●●	●●		●●		●●	●●	
		82 SE			●●	●●		●●		●●	●●	
		82Y			●●	●●		●●		●●	●●	
		83			●●	●●		●		●●	●●	
		84			●	●		●		●	●	
PODS	AN/AAQ	28 LITENING						●	●			
	AN/ASQ	228 ATFLIR							●			
		T50 TCTS		●								●
	AWW	13 DATA-LINK			●	●		●		●	●	
	SMOKE		●									
FUEL TANK		330 GAL				●		●		●		

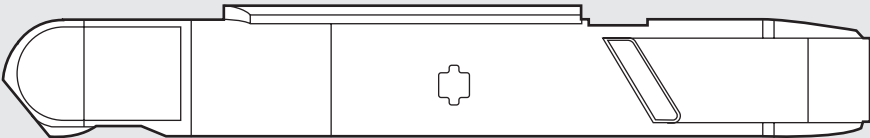

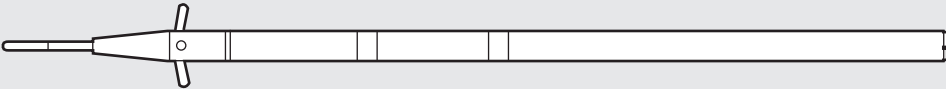



AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-7	SEMI-ACTIVE RADAR					SPARROW	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 3, 4, 6, 7, 8	F	38 nm 70 km	ALL	1-6	1976	Improved range.	
	M				1982	Improved warhead.	
	MH				1985	Improved tracking and loft.	
	P				1987	Improved guidance	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 7, 8	L	10 nm 18.5 km	ALL	1-6	1977	9G launch capable, CM resistant.	
	M				1982	Improved slightly over L.	
	X	20 nm 37 km			2003	High off boresight.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-120	ACTIVE RADAR					AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 3, 4, 6, 7, 8	B	40 nm 75 km	ALL	1-10	1994	Improved variant over A.	
	C-5	60 nm 111 km			1996	Smaller control surfaces over B.	

AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
ADM-141	DECOY					TALD	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 7, 8		82 nm 150 km	AIR DEFENCE	1-12	1990	Tactical Air Launched Decoy. Range shown at 45,000ft @ M 0.9	
WEAPON	TYPE	IMAGE				NAME	
AGM-62	GLIDE BOMB					WALLEYE	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 8		30 nm 55.6 km	HARD TARGET	1-2	1972	TV guided 2000 lb bomb.	
WEAPON	TYPE	IMAGE				NAME	
AGM-65	AIR TO SURFACE					MAVERICK	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 7, 8	E	8 nm 15 km	HARD TARGET, SHIP	1-4	1975	Semi-active laser. Penetrating blast fragmentation.	
	F		HARD TARGET			Infrared Seeker. Penetrating blast fragmentation.	

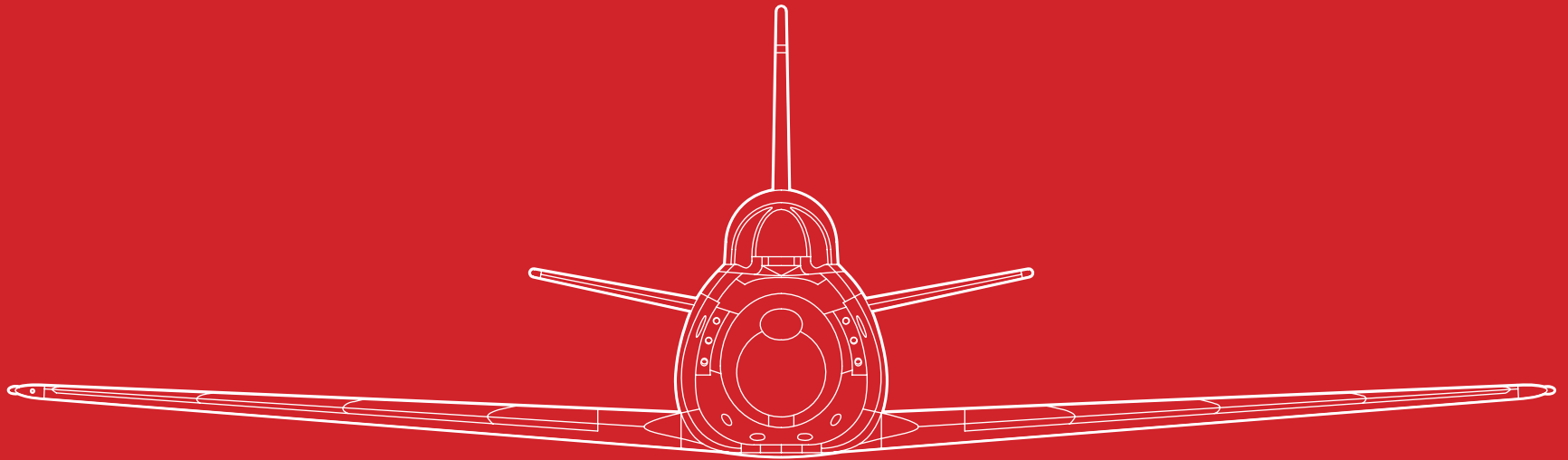
AIR TO GROUND - MISSILES						
WEAPON	TYPE	IMAGE				NAME
AGM-84	ANTI-SHIP ANTI-STRUCTURE					HARPOON
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 7, 8	D	50 - 70 nm 92 - 130 km	SHIPS	1-4	1977	Active radar homing.
	E		STATIONARY TARGET, SHIP		1990	SLAM. Standoff Land Attack Missile. Man-In-The-Loop (MITL) control.
	H	120 - 155 nm 222 - 287 km			2000	SLAM-ER. Standoff Land Attack Missile-Expanded Response. Man-In-The-Loop (MITL) control.
WEAPON	TYPE	IMAGE				NAME
AGM-88	ANTI-RADIATION					HARM
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 7, 8	C	80 nm 150 km	RADAR	1-4	1983	Can detect and home in on multiple radar antennas or transmitters.
WEAPON	TYPE	IMAGE				NAME
AGM-154	GLIDE BOMB					JSOW
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 7, 8	A	12 - 70 nm 22 - 130 km	SOFT TARGET	1-8	1998	GPS/INS guided. 145 bomb submunitions.
	C		HARD TARGET			GPS/INS guided.

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 7, 8	M151	SOFT TARGET	LAU-68/131	7, 14, 19, 21, 28, 38, 57, 76, 95, 114, 133, 152	High Explosive.
	MK5	HARD TARGET	LAU-68/131		High explosive Anti-Tank warhead.
WEAPON	SIZE	IMAGE			
ZUNI	5 in 127 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 7, 8	MK71	SOFT TARGET	LAU-10	4, 8, 12, 16, 20, 24, 28,32	High explosive warhead.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 7, 8	45	TRAINING TARGET	500 lbs 226.8 kg	1-10	Training smoke. Mk-82.
	45B				
2, 3, 7, 8	45LG				1-8
WEAPON	TYPE	IMAGE			
CBU	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 7, 8	99	HARD TARGET	490 lbs 222.3 kg	1-10	High-drag HEAT.
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 7, 8	10	HARD STRUCTURE	2,000 lbs 907.2 kg	1-4	Laser guided Mk-84.
	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-8	Laser guided Mk-82.
	16	HARD STRUCTURE	1,000 lbs 453.6 kg	1-4	Laser guided Mk-83.
	24		2,000 lbs 907.2 kg		Laser guided Mk-84 with penetrator.
	31(V)1/B				INS guided Mk-84.
	31(V)2/B				INS guided BLU-109 hardened penetration.
	31(V)3/B				
	31(V)4/B				
	32(V)2/B	MEDIUM STRUCTURE	1,000 lbs 453.6 kg	INS-guided Mk-83.	
	38		500 lbs 226.8 kg	1-8	INS guided Mk-82.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 7, 8	20	HARD TARGET	222.3 lbs 490 kg	1-10	High-drag HEAT.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg		High-explosive, low-drag.
	82 SE				Mk-82 with high-drag fin kit.
	82Y				Mk-82 with higher-drag ballute kit.
	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg		High-explosive, low-drag.
	84	HARD STRUCTURE	2000 lbs 907.2 kg	1-5	

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/AAQ	TARGETING		
STATION	VERSION	WEIGHT	INFO
4, 5	28 LITENING	458 lbs 207.7 kg	IR/Laser target spotting and marking pod.
POD	TYPE	IMAGE	
AN/ASQ	TARGETING		
STATION	VERSION	WEIGHT	INFO
4	228	336 lbs 152.4 kg	ATFLIR targeting pod.
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1, 9	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
AWW	DATA LINK		
STATION	VERSION	WEIGHT	INFO
2, 3, 5, 7, 8	13 DATALINK	752 lbs 341.1 kg	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
SMOKE	SMOKE		
STATION	VERSION	WEIGHT	INFO
10			Smoke pod.
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
330 GAL	3, 5, 7	430 lbs 195 kg	

AIRCRAFT QUICK REFERENCE



F-86F
SABRE



GOLDWOLF

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F-86F SABRE

WEIGHT	CLEAN	14,434 lbs
	MAX	20,611 lbs
TAKE OFF	CLEAN	120 KTS
	LOADED	140 KTS
LANDING	GEAR	145 KTS
	FLAPS	145 KTS
	GROUND	120 KTS
TOP SPEED		600 KTS*
MAX ALTITUDE		52,000 FT
MAX RANGE	COMBAT	360 NM
	FERRY	1,300 NM
MAX G		7G
MAXIMUM TURN RATE	CLEAN	264 KTS
RADAR MAX RANGE		N/A
GUN	1,800 ROUNDS	
COUNTER MEASURES	CHAFF	N/A
	FLARE	N/A

* AT SEA LEVEL

WEAPONS AVAILABLE ON STATION

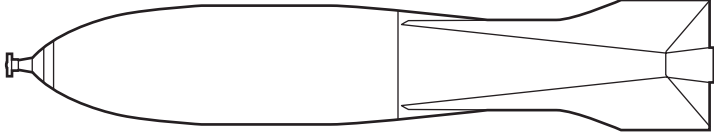
1●
2●

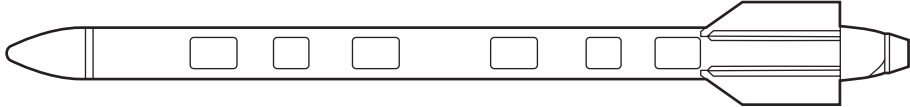
STATION			10	9	8	7	6	5	4	3	2	1
AIR TO AIR MISSILES	AIM-9	B					●	●				
ROCKETS	HVAR	M	●	●	●	●			●	●	●	●
BOMBS	AN	M64				●			●			
	M117					●			●			
PODS	HVAR	SMOKE	●	●	●	●			●	●	●	●
FUEL TANK		120 GAL	●			●			●			●
		200 GAL	●									●


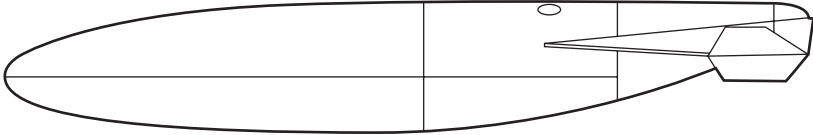
AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
5,6	B	2.5 nm 4.6 km	REAR	1-2	1956	Early model.	

AIR TO GROUND - ROCKETS						
WEAPON	SIZE	IMAGE				
HVAR	5 in 127 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
1, 2, 3, 4, 7, 8, 9, 10		SOFT TARGET		4,8,12,16	High explosive warhead.	

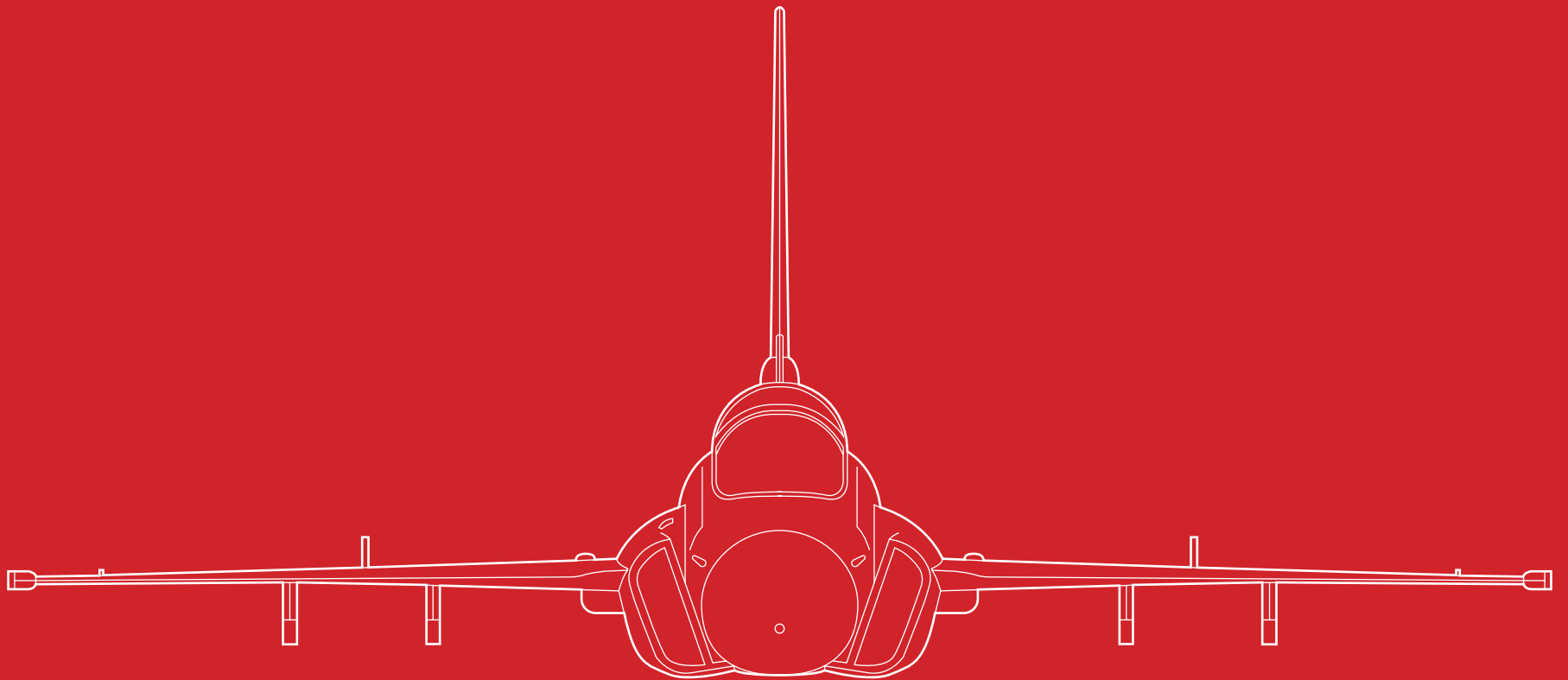
AIR TO GROUND - BOMBS						
WEAPON	TYPE	IMAGE				
AN	FREE FALL					
STATION	VERSION	TARGET	WEIGHT	QTY	INFO	
4,7	M64	LIGHT STRUCTURE	500 lbs 227 kg	1-2	High-explosive.	

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
M117	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
4,7		MEDIUM STRUCTURE	750 lbs 340 kg	1-2	High-explosive.

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
SMOKE	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 2, 3, 4, 7, 8, 9, 10		220 lbs 100 kg	Smoke.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
120 GAL	1,10	110 lbs	
200 GAL	1,10	154 lbs	

AIRCRAFT QUICK REFERENCE



**JF-17
THUNDER**




GOLDWOLF

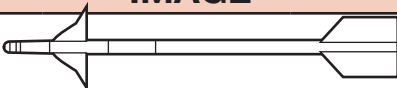
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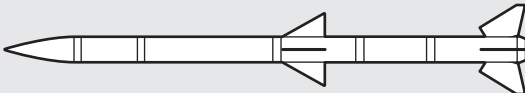
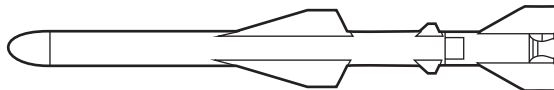

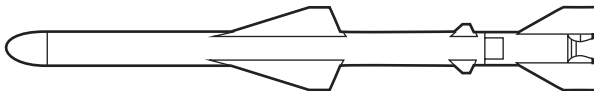

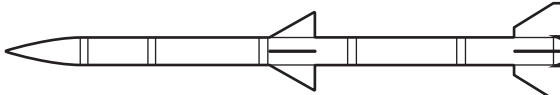
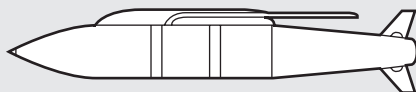
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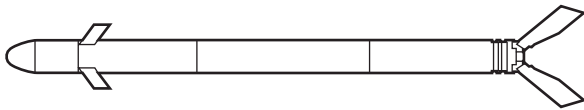
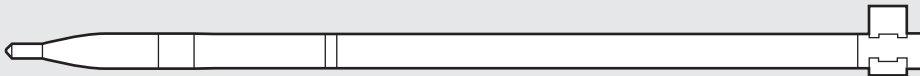
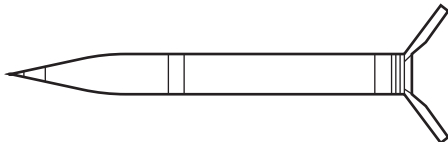
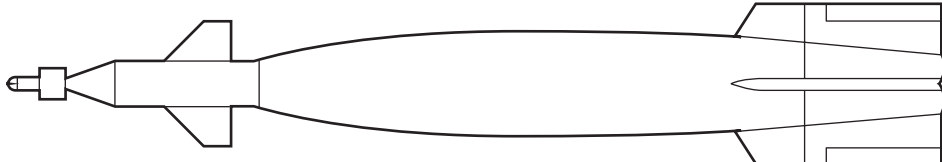

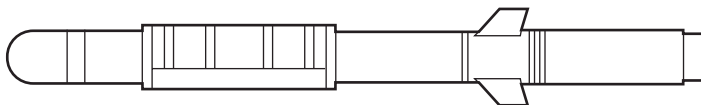
JF-17 THUNDER

WEIGHT	CLEAN	14,520 lbs	<div>* STANDARD MIXED LOADOUT.</div> <div></div>	WEAPONS AVAILABLE ON STATION	1 ●
	MAX	27,558 lbs			2 ●
TAKE OFF	CLEAN	120 KTS			
	LOADED*	140 KTS			
LANDING	FLAPS/GEAR	300 KTS			
	GROUND	150 KTS			
	CHUTE	135 KTS			
TOP SPEED	LOW ALT	702 KTS			
	HIGH ALT	1.6 MACH			
MAX ALTITUDE		55,500 FT			
MAX RANGE	COMBAT	650 NM			
	FERRY	1,800 NM			
MAX G		+8 G -3 G			
MAXIMUM TURN RATE	CLEAN	355 KTS			
RADAR	MAX RNG	80 NM			
GUN		180 ROUNDS			
COUNTER MEASURES	CHAFF	36			
	FLARE	32			


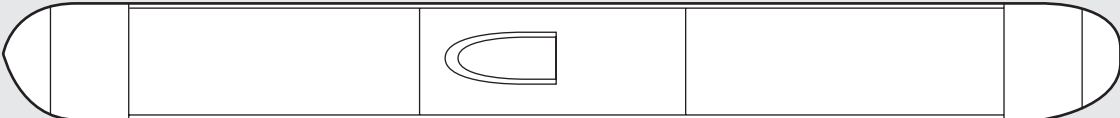
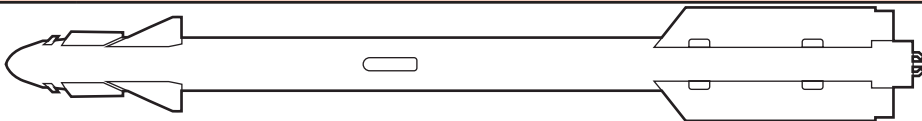
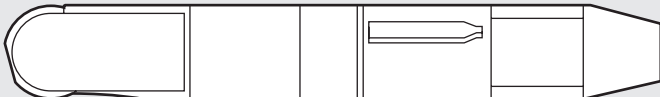
STATION			7	6	5	4	3	2	1
AIR TO AIR MISSILES	PL-5	EII	●	●				●	●
	SD-10			●●				●●	
AIR TO GROUND MISSILES	C-701	IR		●				●	
		T		●				●	
	C-802	AK			●		●		
	CM-802	AKG			●		●		
	GB-6				●		●		
		6 HE			●		●		
		6 SFW			●		●		
	LD	10		●●				●●	
ROCKETS	LS-6	500		●	●		●	●	
	BRM	1		●				●	
	HYDRA	MK5		●				●	
BOMBS	UG			●				●	
				●				●	
				●				●	
	GBU	10			●	●	●		
		12		●●	●		●	●●	
		16			●	●	●		
		20		●●	●		●	●●	
		82		●●	●		●	●●	
		82 SE		●●	●		●	●●	
		83		●	●	●	●	●	
		84			●	●	●		
PODS	TYPE-200	A		●●	●		●	●●	
	DATALINK			●		●		●	
	KG / SPJ	600				●			
	SMOKE GENERATOR		●	●		●		●	●
FUEL TANK	WMD7			●		●		●	
	800L				●	●	●		
	1100L				●		●		

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
PL-5	INFRARED					THUNDERBOLT	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 6, 7	EII	10 nm 18 km	ALL	1-4	1994	Based on the AA-2 Atoll	

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
SD-10	ACTIVE RADAR					LIGHTNING	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 6		50 nm 100 km	ALL	1-4	2005	Comparable to the AIM-120.	
AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
C-701	AIR TO SURFACE						
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 6	IR	8 nm 15 km	ANTI-ARMOR	1-2	2004	Infrared guidance. Similar to the AGM-65.	
	T					Passive homing TV guidance. Similar to the AGM-65.	
WEAPON	TYPE	IMAGE				NAME	
C-802	ANTI-SHIP					SACCADE	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 5	AK	97 nm 180 km	SHIP	1-2	1998	Active radar homing.	
WEAPON	TYPE	IMAGE				NAME	
CM-802	AIR TO SURFACE					SACCADE	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 5	AKG	97 nm 180 km	HARD TARGET	1-2	1998	Infrared seeker. Man-In-The-Loop (MITL) control.	
WEAPON	TYPE	IMAGE				NAME	
GB-6	GLIDE BOMB						
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 5		42 nm 77.7 km	SOFT TARGET	1-2	2006	GPS guided bomblets.	
	6 HE		HARD TARGET			GPS guided high explosive warhead.	
	6 SFW		ANTI-ARMOR			GPS guided smart bomblets.	
WEAPON	TYPE	IMAGE				NAME	
LD	ANTI-RADIATION					THUNDERBOLT 12	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 5	10	32 nm 59 km	RADAR	1-2	2012	20 kg warhead.	
WEAPON	TYPE	IMAGE				NAME	
LS-6	GLIDE BOMB					THUNDER STONE	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 5, 6	500	50 nm 92.6 km	HARD TARGET	1-4	2006	GPS Precision-guided munition.	

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
BRM	3.54 in 90 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 6	1	SOFT TARGET	LAU-68	16,32	Laser Guided High Explosive.
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 6	MK5	HARD TARGET	LAU-68	14,28	High explosive.
WEAPON	SIZE	IMAGE			
UG	3.54 in 90 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 6		SOFT TARGET	LAU-68	16,32	High explosive Anti-Tank warhead.
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
GBU	GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 5	10	HARD STRUCTURE	2,000 lbs 907.2 kg	1-3	Laser guided Mk-84.
2, 3, 5, 6	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-6	Laser guided Mk-82.
3, 4, 5	16	HARD STRUCTURE	1,000 lbs 453.6 kg	1-3	Laser guided Mk-83.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	20	HARD TARGET	222.3 lbs 490 kg	1-6	High-drag HEAT.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg		High-explosive, low-drag.
	82 SE				Mk-82 with high-drag fin kit.
2, 3, 4, 5, 6	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	1-5	High-explosive, low-drag.
3, 4, 5	84	HARD STRUCTURE	2,000 lbs 907.2 kg	1-3	
WEAPON	TYPE	IMAGE			
TYPE-200	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	A	RUNWAY	254 lbs 115 kg	1-6	Parachute deployed anti-runway bomb.

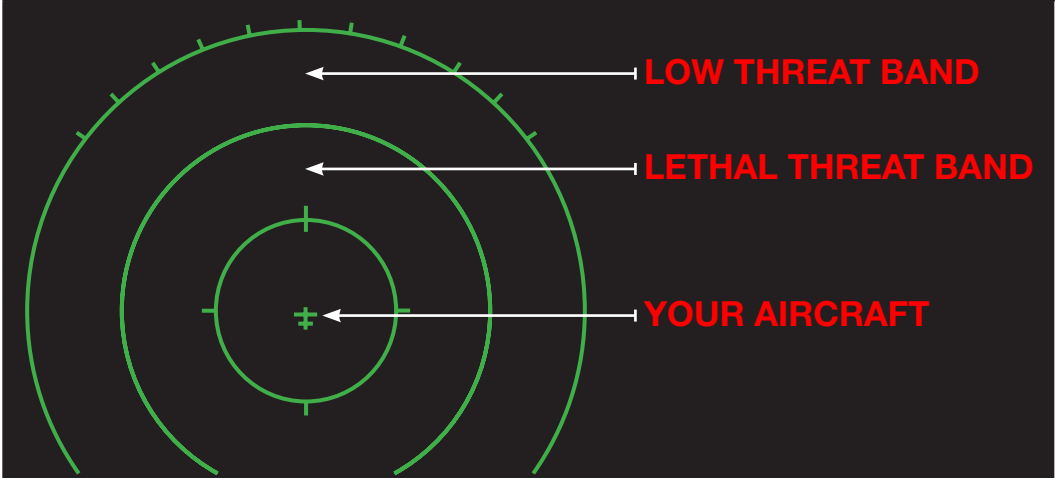
AIR TO GROUND - PODS

POD	TYPE	IMAGE	
DATALINK	TARGETING		
STATION	VERSION	WEIGHT	INFO
2, 4, 6	2	651 lbs 295.3 kg	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
KG / SPJ	COUNTER MEASURES		
STATION	VERSION	WEIGHT	INFO
4	600	595 lbs 269.9 kg	Self-protection jammer pod.
POD	TYPE	IMAGE	
SMOKE	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 2, 4, 6, 7		1,025 lbs 464.9 kg	Smoke pod for wing tip pylons.
POD	TYPE	IMAGE	
WMD7	TARGETING		
STATION	VERSION	WEIGHT	INFO
2, 4, 6	99	651 lbs 295.3 kg	IR/Laser target spotting and marking pod.

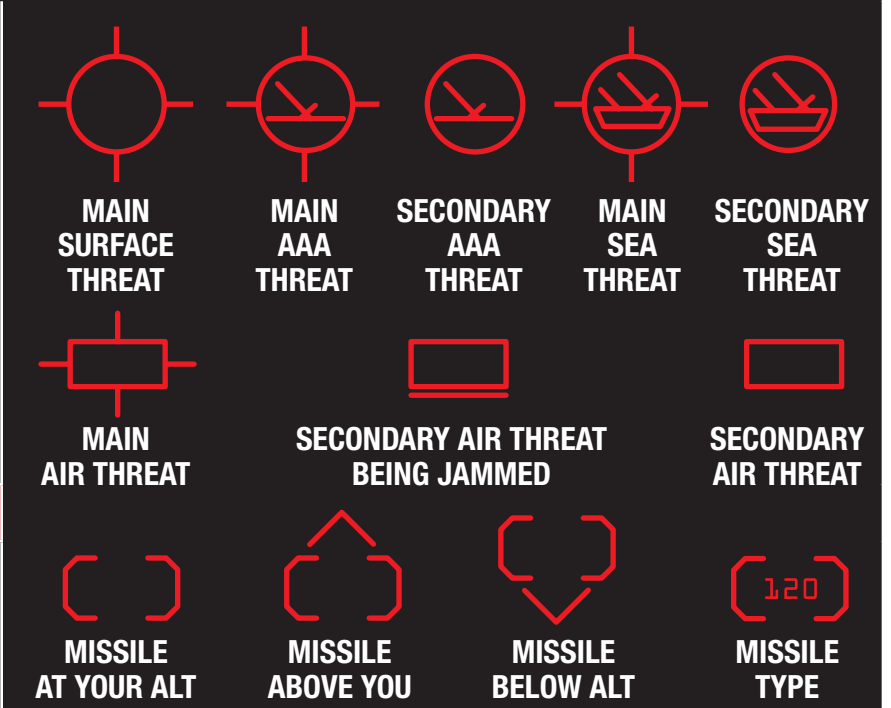
FUEL TANKS

TANK	STATION	WEIGHT	IMAGE
800L	3, 4, 5	99 lbs 44.9 kg	
1100L	3, 5	165 lbs 74.8 kg	

JF-17 THUNDER RWR



COLOR CODING



AIRCRAFT QUICK REFERENCE



**L-39 ZA
ALBATROS**



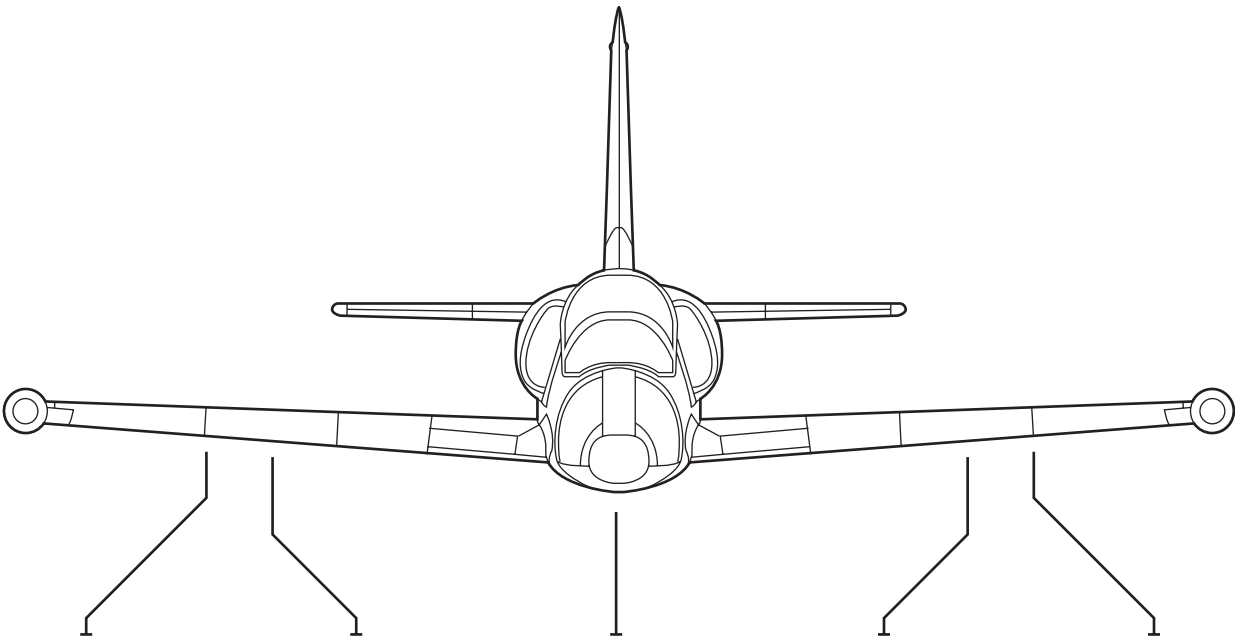
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L-39 ZA ALBATROS

WEIGHT	CLEAN	7,968 LBS
	MAX	12,346 LBS
TAKE OFF	CLEAN	100 KTS
	LOADED	110 KTS
LANDING	FLAPS	160 KTS
	GEAR	
	GROUND	100 KTS
TOP SPEED	LOW	702 KPH
	20,000 FT	760 KPH
MAX ALTITUDE		37,729 FT
MAX RANGE	COMBAT	590 NM
	FERRY	940 NM
MAX G		+7.5G -3.9G
MAXIMUM TURN RATE	CLEAN	206 KTS
GUN	150 ROUNDS	
COUNTER MEASURES	CHAFF	N/A
	FLARE	N/A

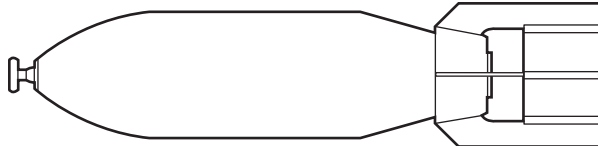



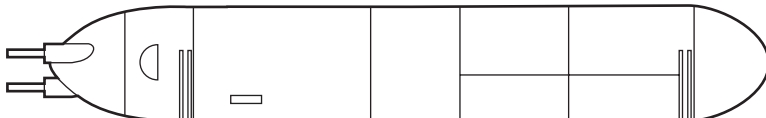
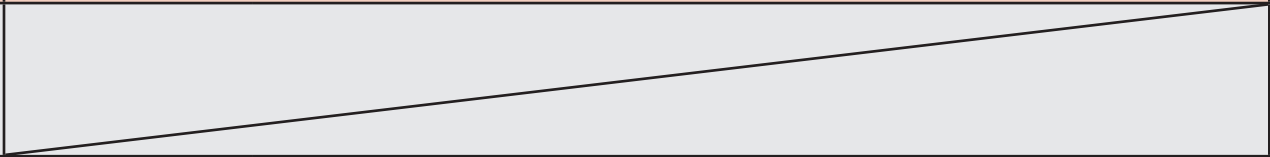


WEAPONS AVAILABLE ON STATION | 1 ● 2 ●



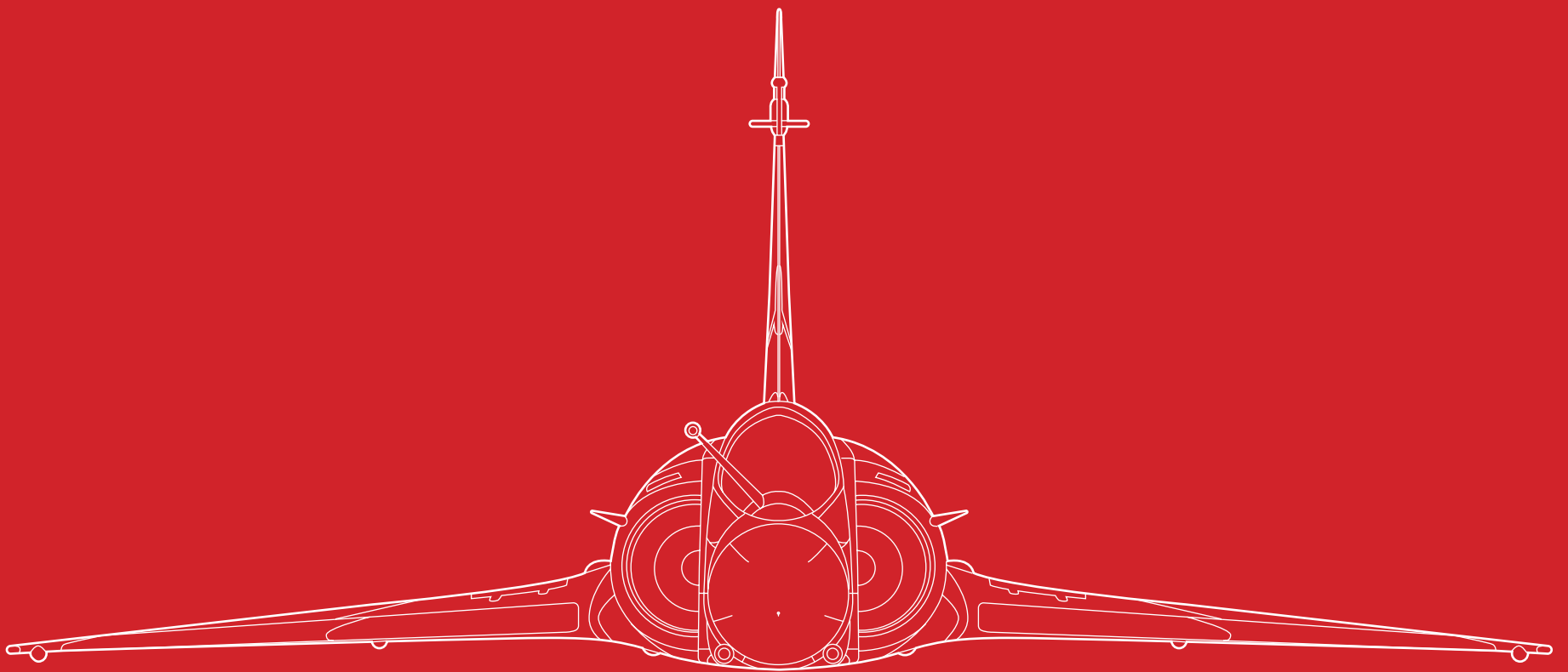
STATION			4	3	SMK	2	1
AIR TO AIR MISSILES	R-3S		●				●
	R-60	M	●				●
ROCKETS	S-5	KO	●	●		●	●
BOMBS	FAB	100	●	●		●	●
		250	●	●		●	●
	P-50	T	●	●		●	●
	OFAB	100	●●	●●		●●	●●
	SAB	100	●	●		●	●
PODS	PK	3	●	●		●	●
	SMOKE GENERATOR		●		●		●
FUEL TANK		150L		●		●	
		350L		●		●	

AIR TO AIR WEAPONS						
WEAPON	TYPE	IMAGE				RANGE
R-3S	INFRARED					AA-2 ATOLL
STATION		VERSION	MAX RNG	ASPECT	QTY	YR
1, 4			4 nm 7 km	REAR	1-2	1962
Slow lock, Up to 3G manoeuvres.						
WEAPON	TYPE	IMAGE				RANGE
R-60	INFRARED					AA-8 APHID
STATION		VERSION	MAX RNG	ASPECT	QTY	YR
1, 4		M	4.5 nm 8 km	LIMITED ALL	1-2	1982
Up to 8G manoeuvres.						

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-5	2.2 in 57 mm				
STATION		VERSION	TARGET	LAUNCHER	QTY
1, 2, 3, 4		KO	HARD TARGET	UB-16A	16, 32, 48, 64
Lightly armored targets.					

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4	100	SOFT TARGET	220.5 lbs 100 kg	1-4	Low-drag, high explosive.
	250	LIGHT STRUCTURE	551.2 lbs 250 kg		
WEAPON	TYPE	IMAGE			
P-50	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4	T	TRAINING TARGET	110.2 lbs 50 kg	1-4	Practice bomb.
WEAPON	TYPE	IMAGE			
OFAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4	100	SOFT TARGET	220.5 lbs 100 kg	1-8	General purpose high explosive.
WEAPON	TYPE	IMAGE			
SAB	ILLUMINATION				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4	100	TARGET MARKING	220.5 lbs 100 kg	1-4	Illuminating targets.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
PK	GUN				
STATION	VERSION	WEIGHT	INFO		
1, 2, 3, 4	3	480 lbs 217.7 kg	3 7.62mm guns.		
POD	TYPE	IMAGE			
SMOKE GEN	SMOKE				
STATION	VERSION	WEIGHT	INFO		
SMK			Smoke.		
FUEL TANKS					
TANK	STATION	WEIGHT	IMAGE		
150L	2, 3	35 lbs 15.9 kg			
350L	2, 3	53 lbs 24 kg			

AIRCRAFT QUICK REFERENCE



**M-2000C
MIRAGE**



05/30/24

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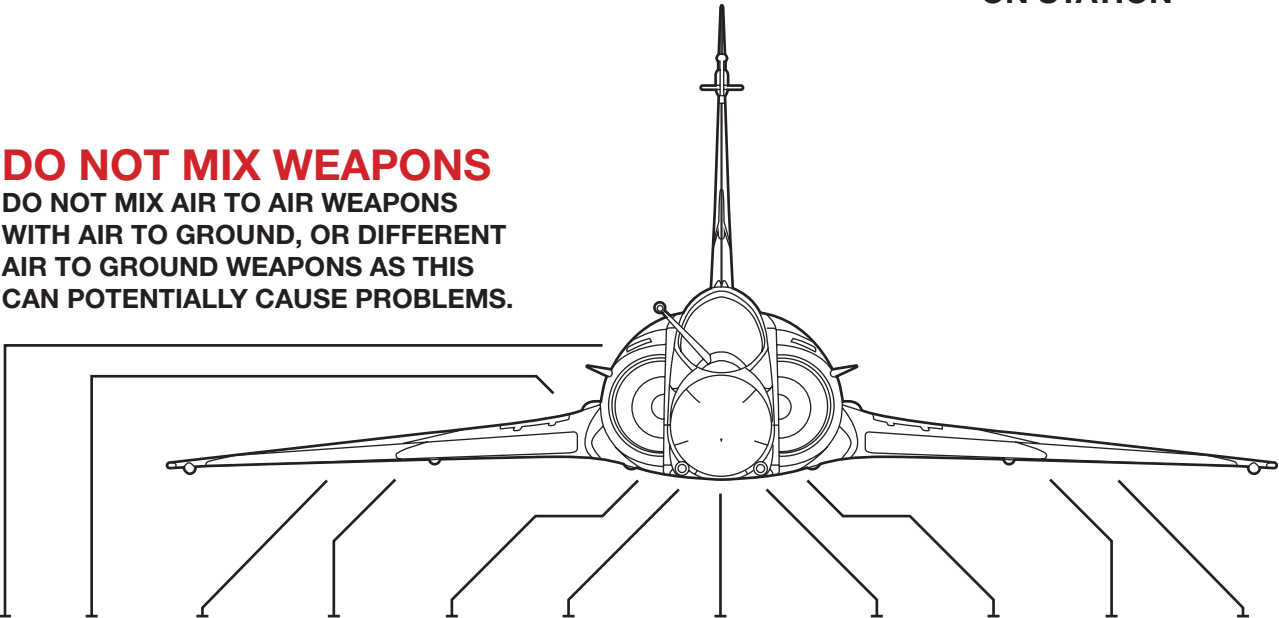
M-2000C MIRAGE

WEIGHT	CLEAN	16,755 lbs
	MAX	36,376 lbs
TAKE OFF	CLEAN	145 KTS
	LOADED*	175 KTS
LANDING	GEAR	230 KTS
	GROUND	210 KTS
TOP SPEED	LOW ALT	MACH 1
	HIGH ALT	MACH 2.2
MAX ALTITUDE		59,000 FT
MAX RANGE	EXTERNAL	837 NM
MAX G		+9
MAXIMUM TURN RATE	CLEAN	252 KTS
RADAR	MAX RNG	80 NM
GUN	250 ROUNDS	
COUNTER MEASURES	CHAFF	112/130**
	FLARE	16/32**

* STANDARD AIR-TO-GROUND.
** WITH ECLAIR EQUIPPED.

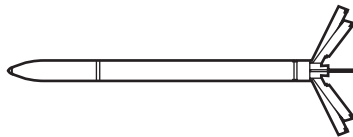

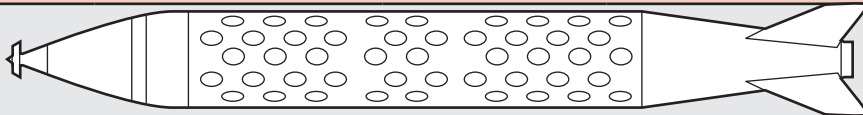



WEAPONS AVAILABLE ON STATION | 1 ●
2 ●

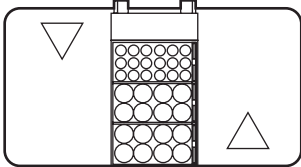

DO NOT MIX WEAPONS
DO NOT MIX AIR TO AIR WEAPONS WITH AIR TO GROUND, OR DIFFERENT AIR TO GROUND WEAPONS AS THIS CAN POTENTIALLY CAUSE PROBLEMS.

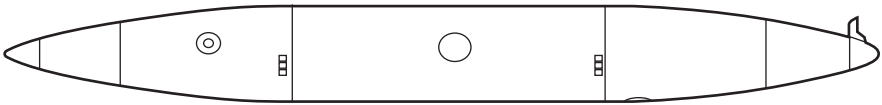
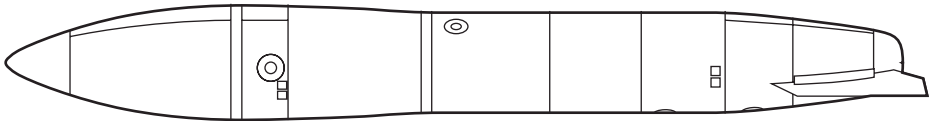


STATION			11	10	9	8	7	6	5	4	3	2	1
AIR TO AIR MISSILES	R.550	MAGIC II			●	●						●	●
	SUPER 530	D				●						●	
ROCKETS	SNEB	TYPE 155			●	●						●	●
BOMBS	BAP	100							●				
									●				
									●				
	BLG	66				●●	●	●	●	●	●	●●	
	GBU	12					●		●●		●		
		16							●				
		24							●				
	MK	82				●●	●	●	●	●	●	●●	
		82 AIR				●●	●	●	●	●	●	●●	
		82 SE				●●	●	●	●	●	●	●●	
PODS	SAMP	250				●	●	●		●	●	●	
	A/G TRAINING		●										
	ECLAIR			●									
FUEL TANK	SMOKEWINDER				●				●				●
	RPL 522	RPL 541				●			●			●	

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
R.550	INFRARED					MAGIC II	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 8, 9		8 nm 15 km	ALL	1-4	1986	Frontal engagement.	
WEAPON	TYPE	IMAGE				NAME	RANGE
SUPER 530	SEMI-ACTIVE RADAR						MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 8	D	20 nm 37 km	ALL	2	1988	Comparable to the AIM-7.	

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
MATRA SNEB	2.7 in 68 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 8, 9		SOFT TARGET	TYPE 155	18, 36, 54, 72	Lightly armored targets.
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BAP	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
5	100	RUNWAY	100 lb 45.4 kg	6, 12, 18	Anti-runway bomb.
WEAPON	TYPE	IMAGE			
BLG	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6, 7, 8	66	SOFT TARGET	672.4 lb 305 kg	2, 4, 8	High-drag HEAT.
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 5, 7	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	2, 4	Laser guided Mk-82.
	16	HARD STRUCTURE	1,000 lbs 453.6 kg	1	Laser guided Mk-83.
	24		2,000 lbs 907.2 kg	1	Laser guided Mk-84 with penetrator.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6, 7, 8	82	LIGHT STRUCTURE	500 lbs 226.8 kg	2, 4, 8	High-explosive, low-drag.
	82 SE				Mk-82 with high-drag fin kit.
	82 AIR				Mk-82 with high-drag ballute kit.
WEAPON	TYPE	IMAGE			
SAMP	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 6, 7, 8	250	LIGHT STRUCTURE	551.2 lbs 250 kg	2, 4, 6	GP Bomb in high or low drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
A/G TRAINING	TRAINING				
STATION	INFO				
11	Adds training mode to PCA. It adds BLF, BFF and RKF mode to the PCA bottom row. Those modes work exactly like the normal modes, but without weapons loaded on the aircraft.				

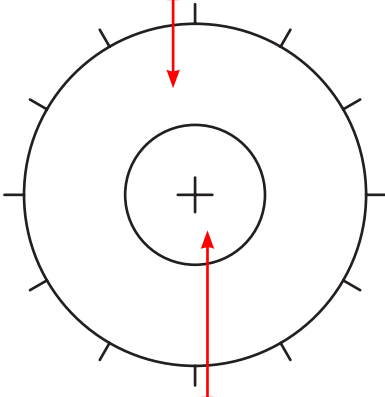
AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
ECLAIR	COUNTER MEASURES		
STATION	VERSION	WEIGHT	INFO
10		44 lbs 20 kg	Extended countermeasures pod. Replaces drag chute.
POD	TYPE	IMAGE	
SMOKEWINDER	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 5, 9		441 lbs 200 kg	Smoke pod for wing pylons.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
RPL 522	5	397 lbs 180 kg	
RPL 541	2 & 8	1,133 lbs 513.9 kg	

M-2000C MIRAGE RWR			
O	S-300 (SA-10 “Grumble”)	S	Su-27, Su-33, J-11
1	BUK (SA-11 “Gadfly”)	T	Tornado GR.4
2	S-300V (SA-12 “Gladiator”)	U	Unknown
4	F-14	V	M-163 Vulcan ADS
5	9K330 Tor (SA-15 “Gauntlet”)	W	Weapon (missile)
6	2K12 KUB (SA-6 “Gainful”)	X	Su-30
8	9K33 OSA (SA-8 “Gecko”)	Y	Mirage 2000-5
9	2K22 TUNGUSKA (SA-19 “Grison”)	Z	ZSU-23-4 Shilka
A	AAA (Anti-Aircraft Artillery Radar)	+	F-15, F-15E
B	Su-24, Su-39, Tu-22, Tu-95, Tu-142, Tu-160, B-1, B-52, S-3, A-6, EA-6B, F-5E, F-4, F-111, Tornado IDS, AJS 37	-	F-18C
		*	F-16
C	Early Warning ground radars (EWR-1L13, EWR-55G6)	•	F-18, AV-8B Plus
D	DOG EAR: 9K35 Strela System Search Radar. (SA-13 “Gopher”)	◦	Airborne Warning radars AWACS): E-2C, A-50, E-3
G	Flakpanzer Gepard	≡	Su-34
H	Hawk System (Guidance and Search)	↑	MiG-21
I	Mirage M-2000C	⌋	MiG-23/27
M	MiG-29	⌑	MiG-25
N	Navy Ship	⌒	MiG-31
P	Patriot System (Guidance and Search)	✓	Radar Lock. Symbol appears below threat code.
Q	KJ-2000, JF-17	^	Radar Guiding (Weapons Launch). Symbol appears above threat code. Both ^ and ✓ will blink.
R	Roland System (Guidance and Search)		

OUTER RING

Threats in search mode.



INNER RING

Threats locked or locked and guiding.

EXAMPLES

↓

MiG-21: locked

↻

MiG-31: Weapon launch. Take evasive action!

RADAR

Enemy Aircraft

V down = Flying to you

Number = Closure rate

Line at bottom = Scanned on 4th bar

Friendly Aircraft

V up = Flying away

HOTAS			
MODE	WEAPON CMD SWITCH		
	FORWARD	AFT	DEPRESS
AIR TO AIR	CLOSE COMBAT VERTICAL OR HORIZONTAL RADAR MODE	CLOSE COMBAT BORESIGHT RADAR MODE	UNLOCK TARGET
AIR TO GROUND	SETS HUD TO AIR TO GROUND MODE	SETS HUD TO NAV MODE	

AIRCRAFT QUICK REFERENCE

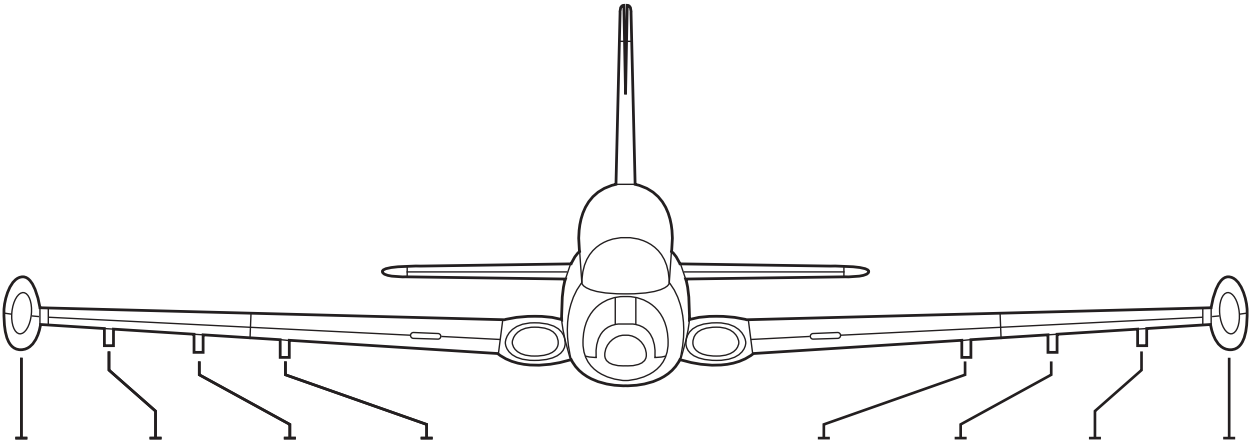


MB-339

MB-339

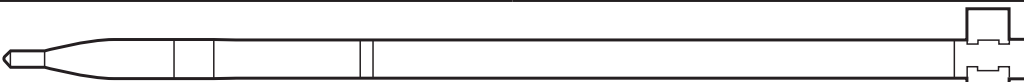
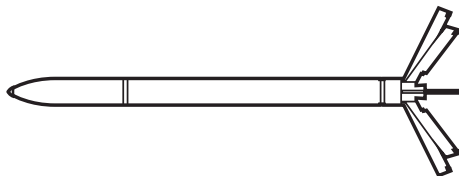
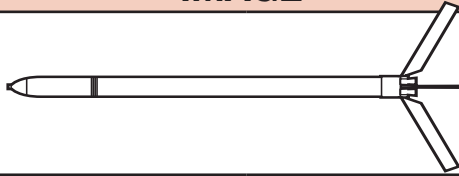
WEIGHT	CLEAN	7,077 LBS	WEAPONS AVAILABLE ON STATION 1 ●
	MAX	13,007 LBS	
TAKE OFF	IN AIR	175 KTS	
LANDING	GEAR	175 KTS	
	GROUND	89 KTS	
TOP SPEED	GROUND	898 KPH	
	30,000 FT	950.8 KPH	
MAX ALTITUDE		46,000 FT	
MAX RANGE	EXTERNAL	1,140 NM	
MAX RANGE	COMBAT	950 NM	
	FERRY	1,100 NM	
MAX G		+8	
MAXIMUM TURN RATE		12°/sec	
RADAR	N/A		
GUN	440 ROUNDS (POD)		
COUNTER MEASURES	CHAFF	0	
	FLARE	0	


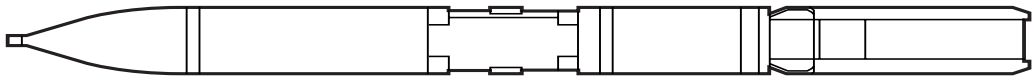
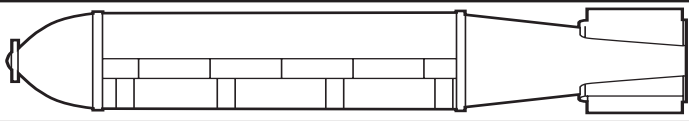
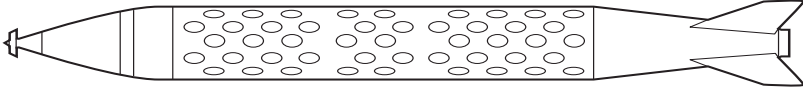
A top-down line drawing of a fighter jet, showing its symmetrical design. The aircraft features a central fuselage with a cockpit, a vertical stabilizer, and two main wings. There are four circular weapon stations on the wings, two on each side. Callout lines point to these stations and the fuselage. The drawing is a simple black and white line art.

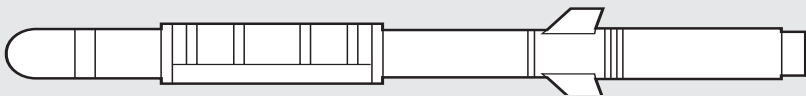

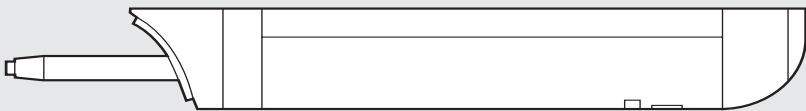
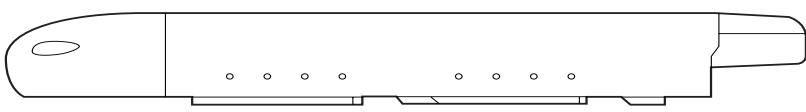
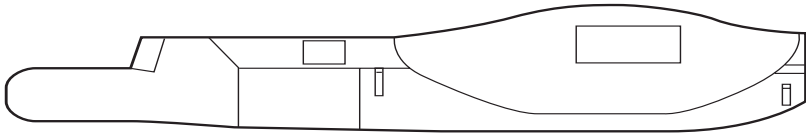






STATION			TT	6	5	4	-X-	-X-	3	2	1	TT
ROCKETS	ARF-8	API		●	●	●			●	●	●	
		HEI		●	●	●			●	●	●	
		TP-SM		●	●	●			●	●	●	
	HYDRA	M151		●	●	●			●	●	●	
		M156		●	●	●			●	●	●	
		WTU-1/B		●	●	●			●	●	●	
	MATRA	155		●	●	●			●	●	●	
	ZUNI	MK-71			●					●		
BOMBS	BAP-100			●	●	●			●	●	●	
	BAT-120			●	●	●			●	●	●	
	BL755			●	●					●	●	
	BLG / BELOUGA			●	●					●	●	
	BLU/DURANAL	107		●	●					●	●	
	MK	81		●	●	●			●	●	●	
		82		●	●	●			●	●	●	
		82 SE		●	●	●			●	●	●	
		83			●					●		
PODS	AN	M3				●			●			
	BRD-4-250	MK 106			●					●		
		MK 76			●					●		
	DEFA	553				●			●			
	LUGGAGE CONTAINER					●			●			
FUEL TANK		320L	●									●
		330L			●					●		
		500L	●									●

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
ARF-8	1.9 in 50 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1-6	API	HARD TARGET	LR-25	50, 100, 150	Anti-armor.
	HEI	HARD TARGET			High explosive warhead.
	TP-SM	TARGET MARKING			Smoke

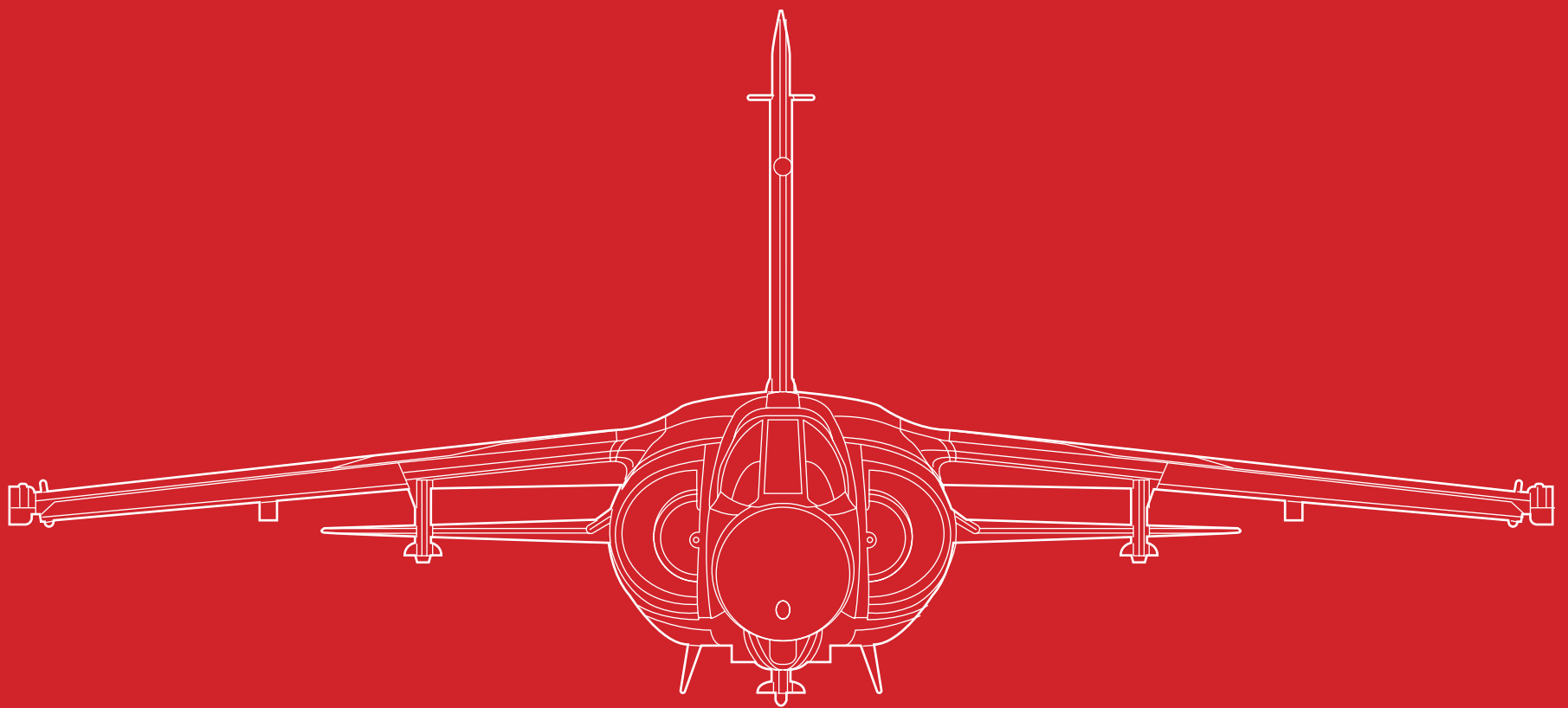
AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1-6	M151	SOFT TARGET	LAU-3	38, 76, 114	High explosive.
	M156	TARGET MARKING			White phosphorus
	WTU-1/B	PRACTICE TARGET			Inert warhead for training purposes.
WEAPON	SIZE	IMAGE			
MATRA/SNEB	2.7 in 68 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1-6	155	SOFT TARGET	MATRA TYPE 155	36, 72, 108	Lightly armored targets.
WEAPON	SIZE	IMAGE			
ZUNI	2.2 in 57 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1-6	MK-71	SOFT TARGET	LAU-10	8	High explosive warhead.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BAP-100	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1-6	100	RUNWAY	100 lb 45.4 kg	12, 24, 36	Anti-runway bomb.
WEAPON	TYPE	IMAGE			
BAT-120	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1-6	120	RUNWAY	120 lbs 54.4 kg	12, 24, 36	Anti-runway bomb.
WEAPON	TYPE	IMAGE			
BL755	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1,2,5,6		HARD TARGET	1,000 lbs 453.6 kg	1-4	Multiple armored targets.
WEAPON	TYPE	IMAGE			
BLG / BELOUGA	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1,2,5,6	66	SOFT TARGET	672.4 lb 305 kg	1-4	High-drag HEAT.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BLU / DURANDAL	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1,2,5,6	107	RUNWAY	750 lbs 340 kg	1-4	Parachute deployed anti-runway bomb.
WEAPON	TYPE	IMAGE			
MK	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1-6	81	SOFT TARGET	250 lbs 113.4 kg	1-6	High-explosive, low-drag.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg		Mk-82 with high-drag fin kit.
	82 SE				
	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	2	High-explosive, low-drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
AN	GUN				
STATION	VERSION	WEIGHT	INFO		
3, 4	M3	481 lbs 218.2 kg	Browning .50 caliber machine guns.		
POD	TYPE	IMAGE			
BRD-4-250	PRACTICE BOMBS				
STATION	VERSION	WEIGHT	INFO		
2, 5	MK-106	209 lb 95 kg	5 lb practice bombs, 4 per pod.		
	MK-76	289 lb 131 kg	25 lb practice bombs, 4 per pod.		
POD	TYPE	IMAGE			
DEFA	GUN				
STATION	VERSION	WEIGHT	INFO		
3, 4	553	481 lbs 218.2 kg	30mm caliber rounds.		
POD	TYPE	IMAGE			
LUGGAGE CONTAINER	TRAVEL				
STATION	VERSION	WEIGHT	INFO		
3, 4		159 lb 72 kg	Travel/cargo pod.		

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
320 L	TT	220 lbs 100 kg	
330 L	2, 5	243 lbs 110 kg	
500 L	TT	309 lbs 140kgs	

AIRCRAFT QUICK REFERENCE



MIRAGE F1
BE, CE, EE



GOLDWOLF

05/30/24

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MIRAGE F1 - BE, CE, EE

WEIGHT	CLEAN	17,388 LBS
	MAX	35,715 LBS
TAKE OFF	ROTATE	120 KTS
	IN AIR	150 KTS
LANDING	GEAR	215 KTS
	CHUTE	210 KTS
	GROUND	135 KTS
TOP SPEED		MACH 2.1
MAX ALTITUDE		50,000 FT
MAX RANGE	EXTERNAL	1,800 NM
MAX G		+7.2
RADAR	MAX RNG	60 NM
GUN	300 ROUNDS	
COUNTER MEASURES	CHAFF	30*
	FLARE	15*

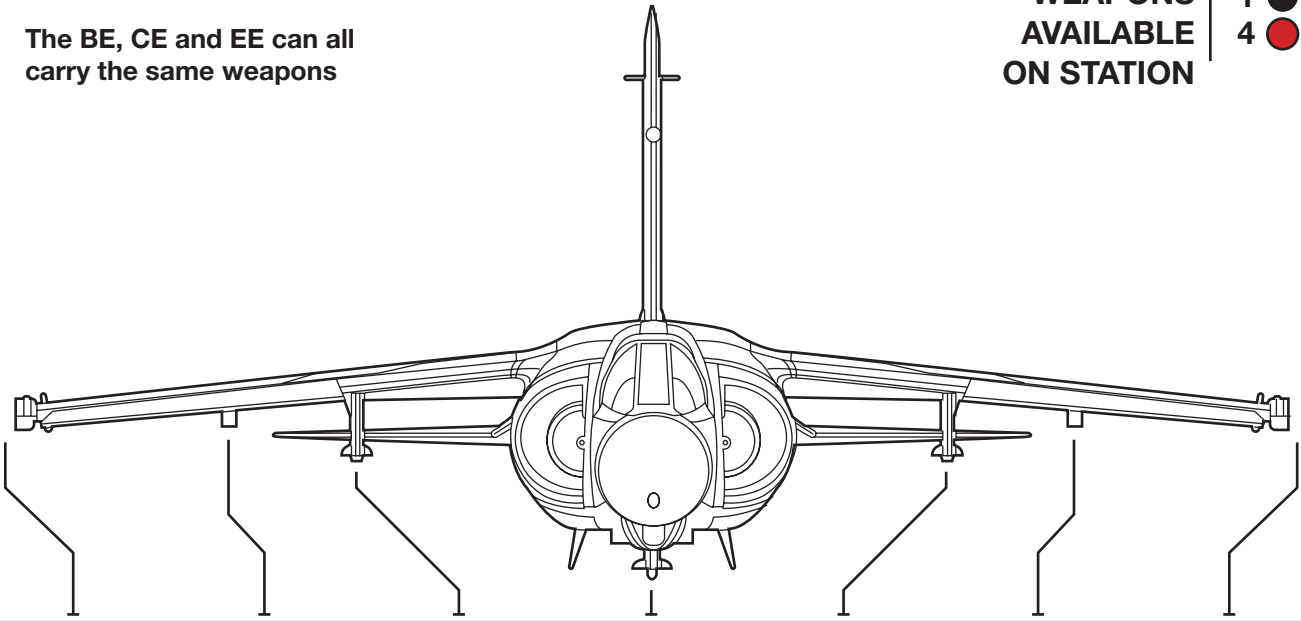
* STANDARD LOADOUT.

The BE, CE and EE can all carry the same weapons

WEAPONS AVAILABLE ON STATION

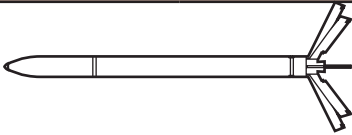
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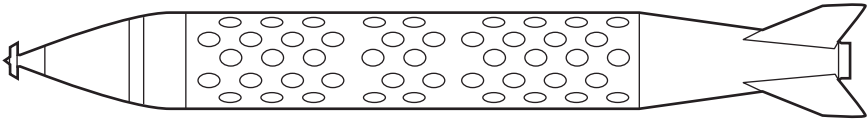
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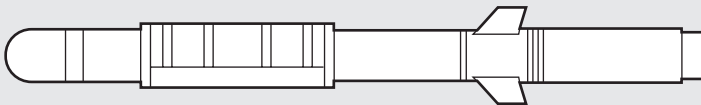

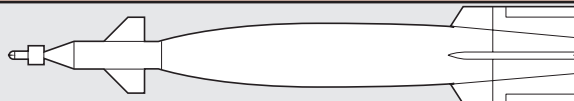




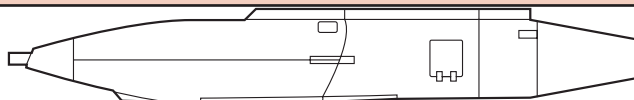
STATION			7	6	5	4	3	2	1	
AIR TO AIR MISSILES	AIM-9	B		●					●	
		J		●					●	
		JULI		●					●	
		P		●					●	
	R.530	F	EM			●	●	●		
			IR			●	●	●		
	S.530	F				●		●		
	R.550	MAGIC I		●						●
MAGIC II		●						●		
ROCKETS	MATRA TYPE	250			●	●		●	●	
		251			●	●		●	●	
		252			●	●		●	●	
		253			●	●		●	●	
		254	GRE		●	●		●	●	
			RED		●	●		●	●	
			YEL		●	●		●	●	
		256			●	●		●	●	
		257			●	●		●	●	
		259E			●	●		●	●	
BOMBS	BLG / BELOUGA			●	●	●	●	●		
	BLU/DURANDAL 107			●	●	●	●	●		
	BR	250			●	●	●	●	●	
		500			●	●	●	●	●	
	GBU	10					●			
		12				●	●	●		
		16				●	●	●		
	MK	82			●	●	●●	●	●	
		83			●	●	●	●	●	
	SAMP	125	LD		●	●	●	●	●	
		250	LD		●	●	●●	●	●	
			HD		●	●	●●	●	●	
		400	LD		●	●	●●	●	●	
			HD		●	●	●●	●	●	
PODS	DEFA-550 GUN POD				●	●	●			
FUEL TANK		RP35				●	●			
		RPL201				●				


AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1,7	B	2.5 nm 4.6 km	REAR	2	1956	Early model	
	J	10 nm 18.5 km	LIMITED FRONT		1975	Improved over early model.	
	JULI				1980	Improved guidance over the J.	
	P		REAR		1975	Improved over B.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R.530	SEMI ACTIVE OR INFRARED					MATRA	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 4, 5	F EM	10.8 nm 20 km	LIMITED FRONT	1 or 2	1962	Semi active radar homing variant.	
	F IR					Infrared homing variant.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R.550	INFRARED					MAGIC	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1,7	1	8 nm 15 km	ALL	2	1972	Frontal engagement.	
	2	8 nm 15 km	ALL	2	1986	Frontal engagement.	
WEAPON	TYPE	IMAGE				NAME	RANGE
Super 530	SEMI-ACTIVE RADAR						MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3,5	F	10 nm 18 km	ALL	2	1979	Comparable to the AIM-7.	

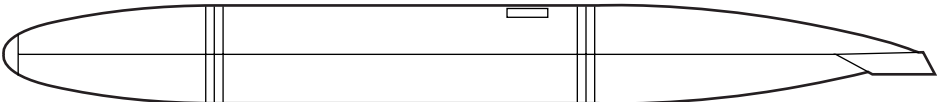
AIR TO GROUND - ROCKETS						
WEAPON	SIZE	IMAGE				
MATRA/SNEB	2.2 in 57 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 5, 6	250	TARGET MARKING	MATRA TYPE 155	18, 36, 54, 72, 108, 144	Training smoke.	
	251	SOFT TARGET			High explosive.	
	252	PRACTICE			Training.	
	253	HARD TARGET			High explosive Anti-Tank.	
	254	TARGET MARKING			Green, red or yellow smoke.	
	256	SOFT TARGET			High explosive frag.	
	257	HARD TARGET			High explosive frag large warhead.	
	259E	TARGET MARKING			Illumination.	

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BLG / BELOUGA	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	66	SOFT TARGET	672.4 lb 305 kg	1-5	High-drag HEAT.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BLU / DURANDAL	ANTI-RUNWAY				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	107	RUNWAY	750 lbs 340 kg	1-8	Parachute deployed anti-runway bomb.
WEAPON	TYPE	IMAGE			
BR	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	250	LIGHT STRUCTURE	551.2 lbs 250 kg	1-5	Low-drag, high explosive.
	500	MEDIUM STRUCTURE	1102.3 lbs 500 kg		
WEAPON	TYPE	IMAGE			
GBU	GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
4	10	HARD STRUCTURE	2,000 lbs 907.2 kg	1	Laser guided Mk-84.
3, 4, 5	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-3	Laser guided Mk-82.
	16	HARD STRUCTURE	1,000 lbs 453.6 kg		Laser guided Mk-83.
WEAPON	TYPE	IMAGE			
MK	LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-9	High-explosive, low-drag.
	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg	1-5	
WEAPON	TYPE	IMAGE			
SAMP	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 6	125 LD	SOFT TARGET	275.6 lbs 125 kg	1-4, 9	GP bomb. Low drag.
	250 LD	LIGHT STRUCTURE	551.2 lbs 250 kg	1-9	GP bomb. Low drag.
	250 HD				GP bomb. High drag.
	400 LD	MEDIUM STRUCTURE	882 lbs 400 kg		GP bomb. Low drag.
	400 HD				GP bomb. High drag.

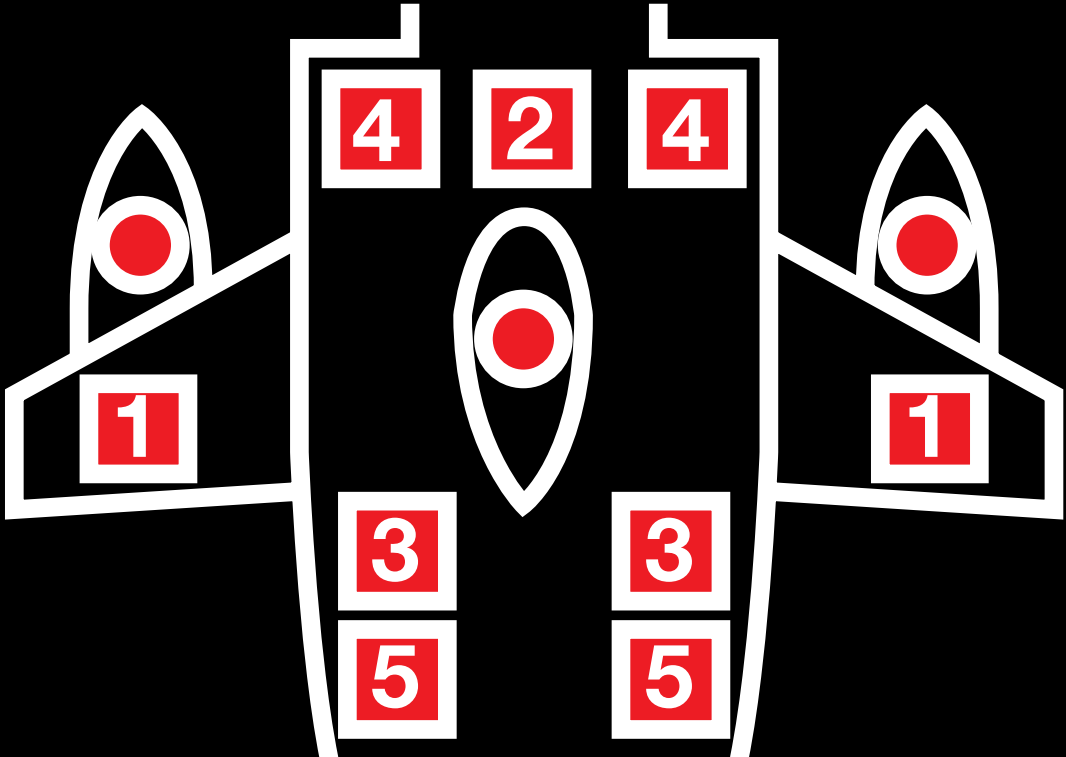
AIR TO GROUND - PODS		
POD	TYPE	IMAGE
DEFA	GUN	
MODEL	WEIGHT	INFO
550	452 lbs 205 kg	30mm caliber rounds.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
RP35	3, 4, 5	353 lbs 160 kg	

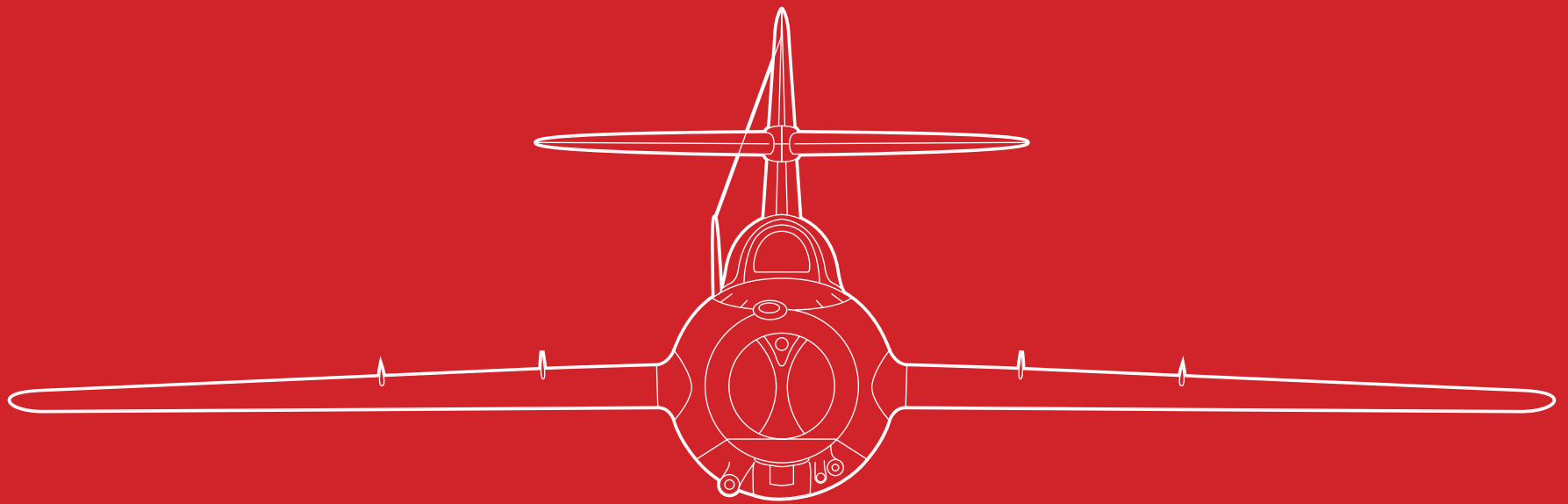
FUEL TANKS			
RPL201	4	584 lbs 265 kg	

MIRAGE F1 FAILURE WARNING PANEL				
BATT Battery is isolated	ALT1 Alternator 1 not supplying its system	ALT2 Alternator 2 not supplying its system	TR1 Alternator 1 is not supplying the DC system	SEC~ Emergency AC Busses are supplied by inverter instead of Alternators
BP Engine Fuel Low pressure	BP G Left Pump Low pressure	BP D Right Pump Low pressure	TR2 Alternator 2 is not supplying the DC system	NIV Fuel level in feeder tanks <250 liters
HUILE Oil pressure pump low < 0.75 bar / 11 psi	EP Electric Hydraulic Pump operating for more than 8 seconds	HYD S Emerg Hydraulic system <115 bar (1668 psi)	HYDR 1 Hydraulic 1 140 bar < servo 1 < 174 bar (2524 psi) < 1.0 ancillaries < 145 bar	HYDR 2 Hydraulic 2.0 < servo 2 < 145 bar (2103 psi)
REG O2 Oxygen regulator failure	5mn O2 Emerg Oxygen cock not open. Emerg sys < 150 bar (6 min of O)	T EQ 5°C > temperature air flowing into the equipment bay > 50°C	T CAB CABIN TEMP. Air reaches cabin at temp. > 60°C abd cavub temp. > 32°C	P CAB CABIN PRESS. Cabin altitude > 30,000 ft. Canopy control not in correct position
TRIM Automatic pitch or roll trim failure. Autopilot or trim function not affected.	PA AUTOPILOT. Autopilot disengaged or autopilot failure	CAP HEADING. Failure in the heading chain or in the magnetic surveillance box	ANEMO PITOT. L/H Pitot or static pressure probe failure or probe heater switch off	C AERO ADC. Air data computer failure
LACET YAW. Failure of both electrical rudder circuits. Yaw damper not operational	TANG. PITCH. Failure of both electrical pitch circuits. pitch damper not operational	ROUL. ROLL. Failure of the roll damper (Only used by the autopilot). The autopilot cannot be operated	EMP. ELEVATOR. First electrical pitch circuit failure. Pitch control operation in electrical mode on the second curcuit	DIR RUDDER. Failure of the first electrical rudder circuit. Rudder control operation in electrical mode on the second curcuit
Fuel capacities below helpfully provided by DJBScout .		HYPER HIGH LIFT DEVICES (SLATS/ FLAPS) Disagreement between flap/slats positions or combat flaps commanded outside permitted speeds.	MODUL MODULEATION. Excessive modulations of the vario-alternator driving torque	VAM.D BLEED VALVES. Electronics box signal and valves position disagreement

MIRAGE F1 FUEL SYSTEM PANEL	
The aircraft carries a maximum of 4240 L of fuel. 380 L Wing Tanks 585 L Forward central tank 1090 L Forward lateral tanks 1120 L Aft lateral tanks 1064 L Feeder tanks External Fuel Tanks - 1155 L	
If the light is illuminated, then that fuel tank(s) are out of fuel!	
TANK 1 OUT	3868 L remaining
TANK 2 OUT	3270 L remaining
TANK 3 OUT	2315 L remaining
TANK 4 OUT	1126 L remaining
TANK 5 OUT	650 L remaining



AIRCRAFT QUICK REFERENCE



MiG-15BIS
FAGOT



GOLDWOLF

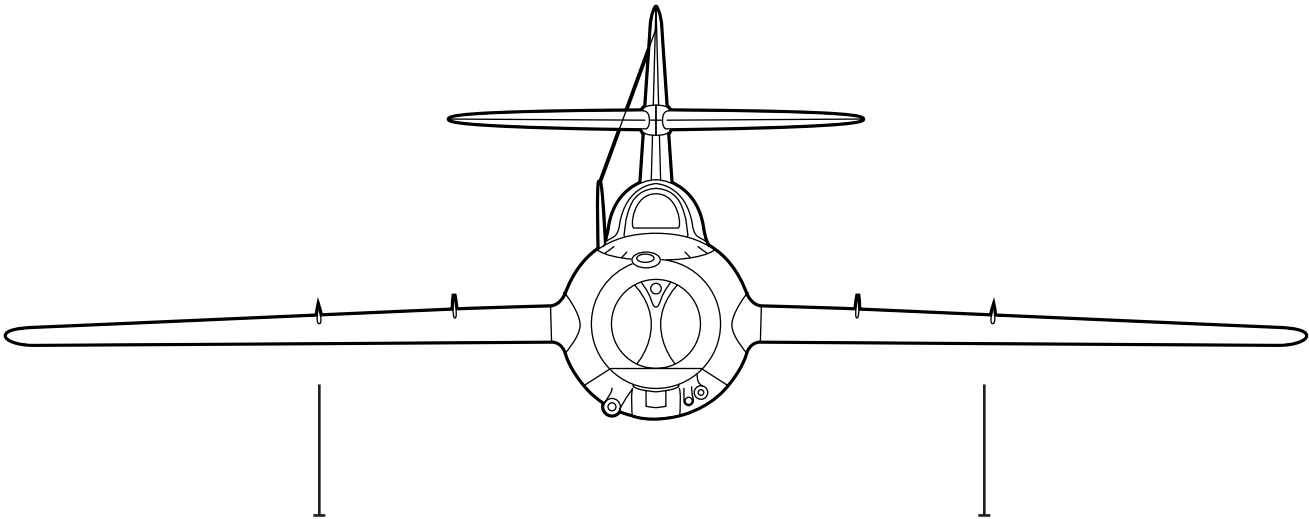
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MiG-15BIS FAGOT

WEIGHT	CLEAN	8,274 LBS
	MAX	13,461 LBS
TAKE OFF	CLEAN	210 KTS
	LOADED	230 KTS
LANDING	GEAR	350 KTS
	FLAPS	340 KTS
	GROUND	200 KTS
TOP SPEED	SEA LEVEL	581 KTS
	10,000 FT	535 KTS
MAX ALTITUDE		51,016 FT
MAX RANGE	COMBAT	900 NM
	FERRY	1,350 NM
MAX G		8
MAXIMUM TURN RATE	CLEAN	274 KTS
RADAR MAX RANGE		NA
GUN	200 ROUNDS	
COUNTER MEASURES	CHAFF	NA
	FLARE	NA

WEAPONS AVAILABLE ON STATION | 1 ●



STATION			2	1
BOMBS	FAB	50	●	●
		100	●	●
FUEL TANK		300 L	●	●
		400 L	●	●
		600 L	●	●

AIR TO GROUND - BOMBS

WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2	50	SOFT TARGET	110.2 lbs 50 kg	1-2	Low-drag, high explosive.
	100		220.5 lbs 100 kg	1-2	

FUEL TANKS

TANK	STATION	WEIGHT	IMAGE
300 L	1, 2	48 lbs 21.8 kg	
400 L		70 lbs 31.8 kg	
600 L		72 lbs 32.7 kg	

AIRCRAFT QUICK REFERENCE



**MiG-19P
FARMER**



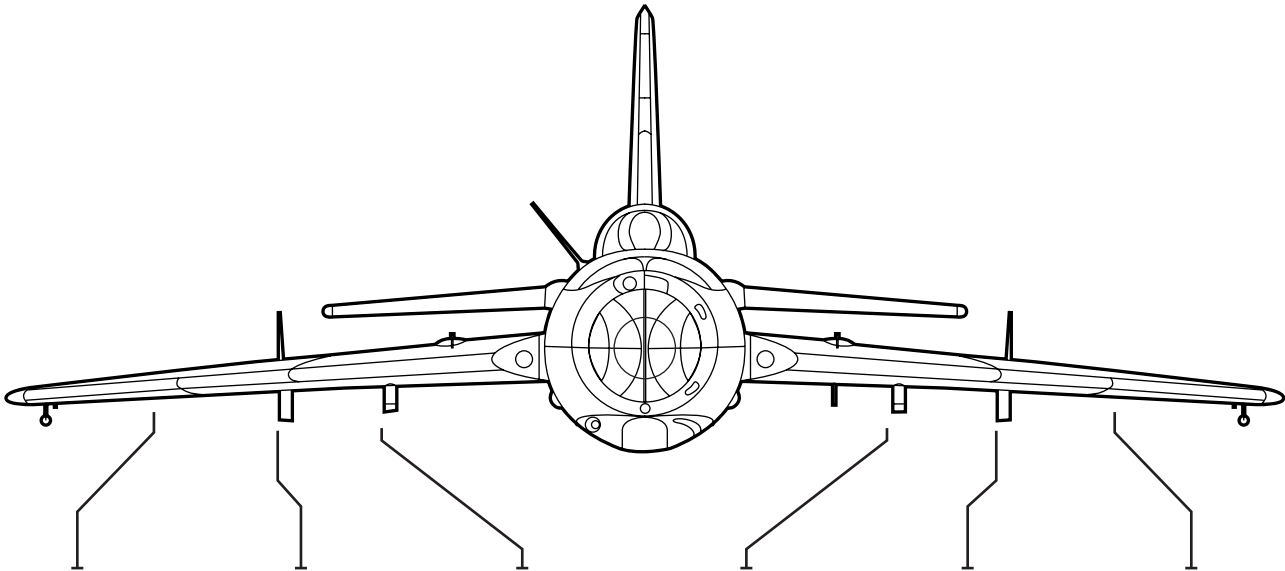
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MiG-19P FARMER

WEIGHT	CLEAN	15,834 LBS
	MAX	19,264 LBS
TAKE OFF	CLEAN	200 KPH
	LOADED	230 KPH
LANDING	GEAR	490 KPH
	FLAPS	400 KPH
	GROUND	235 KPH
TOP SPEED		1,455 KPH
MAX ALTITUDE		57,000 FT
MAX RANGE	COMBAT	750 NM
	FERRY	1,200 NM
MAX G		7.5G
MAXIMUM TURN RATE	CLEAN	436 KTS
RADAR MAX RANGE		12 KM
GUN	140 ROUNDS	
COUNTER MEASURES	CHAFF	NA
	FLARE	NA

WEAPONS AVAILABLE ON STATION | 1 ●



STATION			6	5	4	3	2	1
AIR TO AIR MISSILES	R-3S		●					●
ROCKETS	S-5	M		●	●	●	●	
BOMBS	FAB	50		●			●	
		100		●			●	
		250		●			●	
PODS	SMOKE GENERATOR		●					●
FUEL TANK		760 L		●			●	

AIR TO AIR WEAPONS

WEAPON	TYPE	IMAGE				NAME	RANGE
R-3S	INFRARED					AA-2 ATOLL	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1,6		4 nm 7 km	REAR	1-2	1962	Slow lock, Up to 3G manoeuvres.	

AIR TO GROUND - ROCKETS

WEAPON	SIZE	IMAGE				
S-5	2.2 in 57 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2,3,4,5	M	SOFT TARGET	UB-8UM	16, 32	Unarmored targets. Blast fragmentation.	

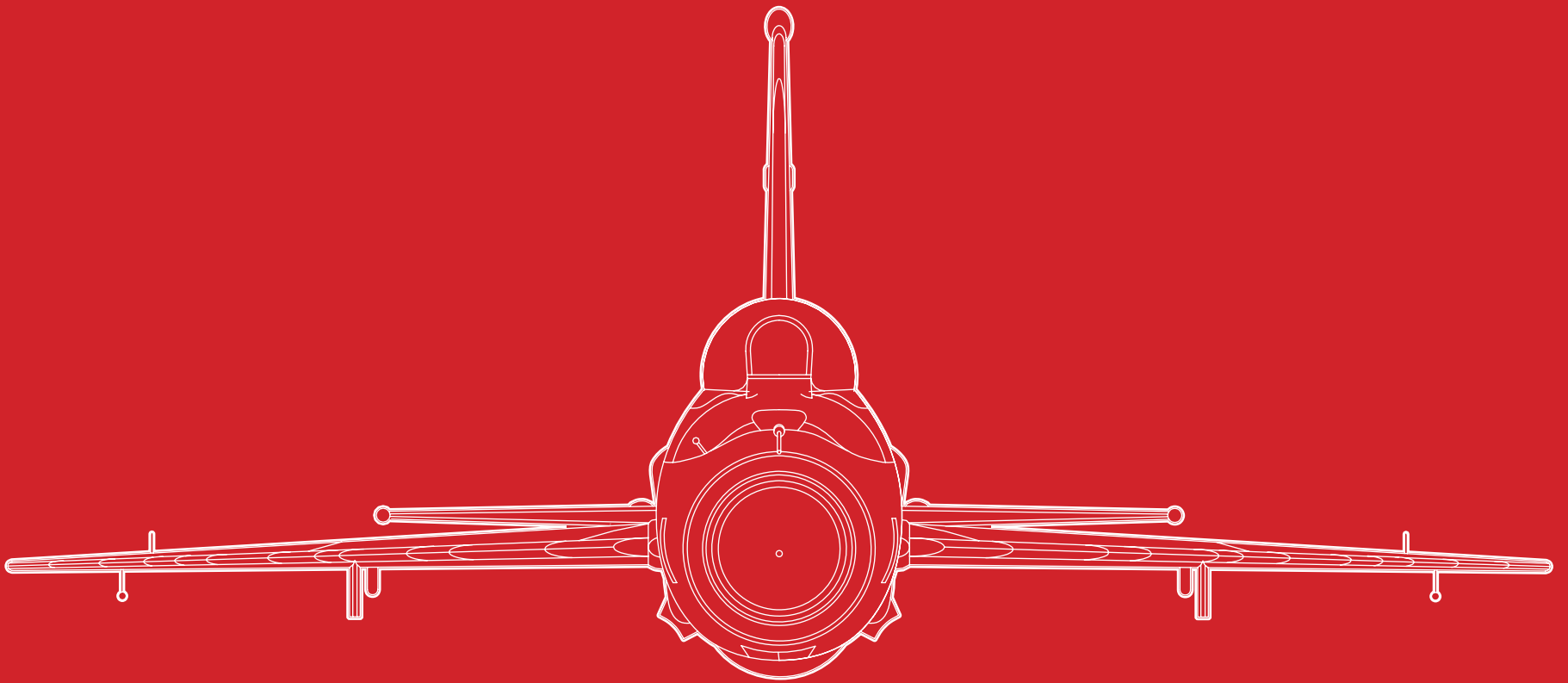
AIR TO GROUND - BOMBS

WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 5	50	SOFT TARGET	110.2 lbs 50 kg	1-2	Low-drag, high explosive.
	100		220.5 lbs 100 kg	1-2	
	250	LT STRUCTURE	551.2 lbs 250 kg	1-2	

FUEL TANKS

TANK	STATION	WEIGHT	IMAGE
760 L	2, 5	145 lbs 65.8 kg	

AIRCRAFT QUICK REFERENCE



MiG-21
FISHBED



GOLDWOLF

05/30/24

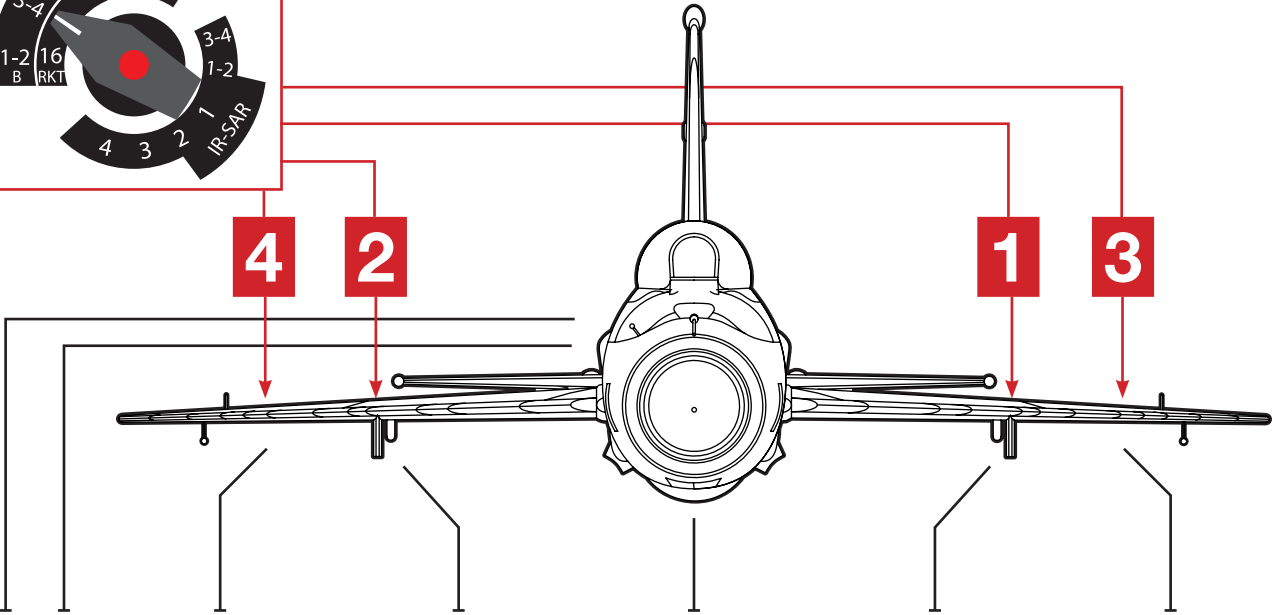
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MiG-21 FISHBED

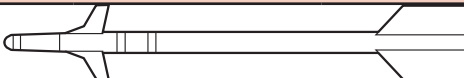
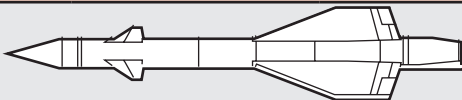
WEIGHT	CLEAN	8,726 KG
	MAX	8,903 KG
TAKE OFF	CLEAN	360 KPH
	22,928 lbs	380 KPH
LANDING	GEAR	500 KPH
	FLAPS	480 KPH
	GROUND	270 KPH
	CHUTE	250 KPH
TOP SPEED	LOW	1,300 KPH
	HIGH	2,175 KPH
MAX ALTITUDE		17,500 M
MAX AoA		+33° -20°
MAX RANGE	COMBAT	360 NM
	FERRY	950 NM
MAX G*		+8.5 -2
MAXIMUM TURN RATE	CLEAN	229 KTS
RADAR	MAX RNG	14 KM
GUN	250 SHELLS	
COUNTER MEASURES	CHAFF	18
	FLARES	40

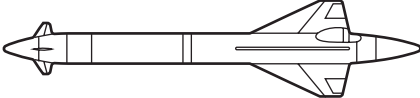


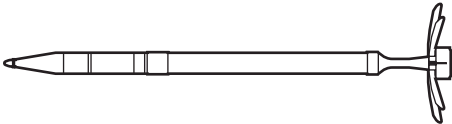
WEAPONS AVAILABLE ON STATION	1 ●
	2 ●
	3 ○
	4 ●

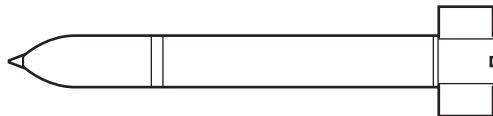

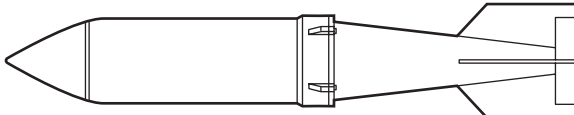
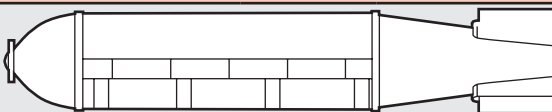

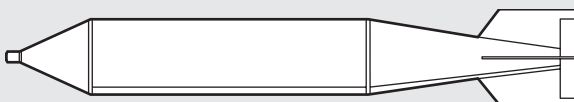

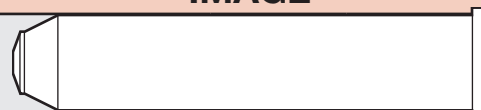


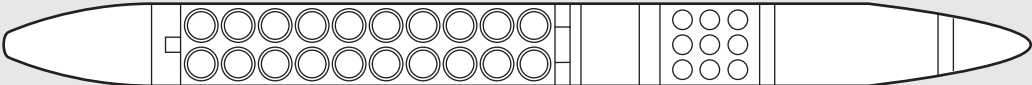
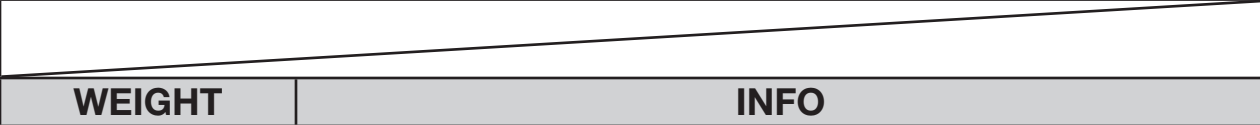
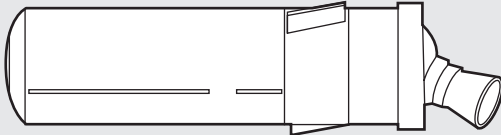
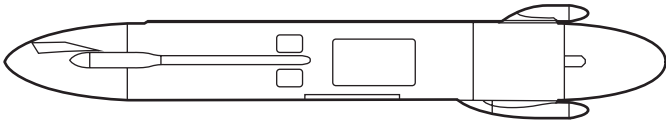
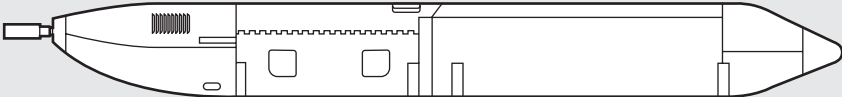
STATION			7	6	5	4	3	2	1
AIR TO AIR MISSILES	R-3R				●	●		●	●
	R-3S				●	●		●	●
	R-13	M			●	●		●	●
		M1			●	●		●	●
	R-55					●		●	
	R-60				●●	●●		●●	●●
		M			●●	●●		●●	●●
	RS	2US			●	●		●	●
AIR TO GROUND MISSILES	Kh-66					●		●	
ROCKETS	S-24A				●	●		●	●
	S-24B				●	●		●	●
	S-5	UB-16UM			●	●		●	●
		UB-32UM				●		●	
BOMBS	BETAB	500				●		●	
		500ShP				●		●	
	BL755					●		●	
	FAB	100			●	●●		●●	●
		250			●	●		●	●
		250 M54			●	●		●	●
		500 M62				●		●	
	RBK	250			●	●		●	●
	SAB	100			●	●		●	●
	RN	24					●		
		28					●		
PODS	ASO	2		●					
	SPRD	99		●					
	SPS	141-100					●		
	SMOKE	WHITE	●						
	UPK	23-250				●		●	
FUEL TANKS		490 L			●	●	●	●	●
		800 L				●		●	

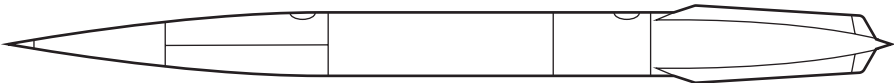

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
R-3R	SEMI-ACTIVE RADAR					ADV-ATOLL	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 4, 5	L	5.4 nm 10 km	ALL	1-4	1983	Up to 2G manoeuvres.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-3S	INFRARED					ATOLL	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 4, 5	B	4 nm 7 km	REAR	1-4	1986	Slow lock, Up to 3G manoeuvres	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-13	INFRARED					ADV-ATOLL	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 4, 5	M	5.4 nm 10 km	REAR	1-4	1983	Up to 7G manoeuvres.	
	M1				1986	Up to 8G manoeuvres.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-55	INFRARED					ATOLL	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 4	B	3.5 nm 6 km	REAR	1-8	1957	Semi-active homing radar.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-60	INFRARED					AA-8 APHID	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 4, 5	 M	5.4 nm 10 km	REAR	1-8	1974	Up to 8G manoeuvres.	
			LIMITED ALL		1978		
WEAPON	TYPE	IMAGE				NAME	RANGE
RS	SEMI-ACTIVE RADAR					ATOLL	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 4, 5	2US	3.5 nm 6 km	REAR	1-4	1965	Beam riding missile	

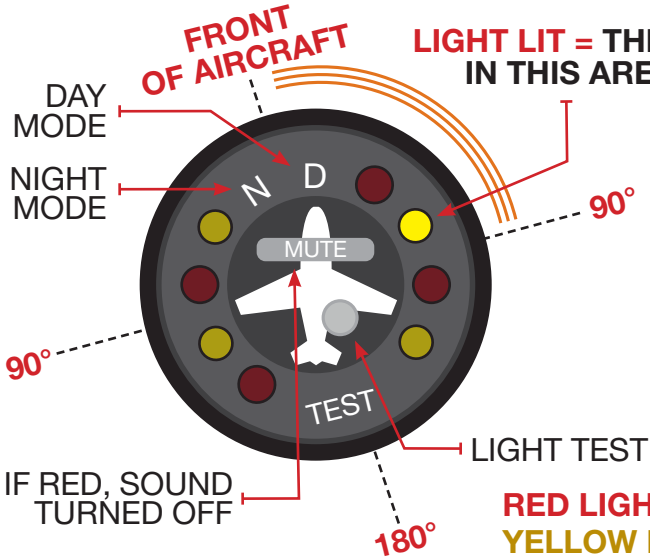
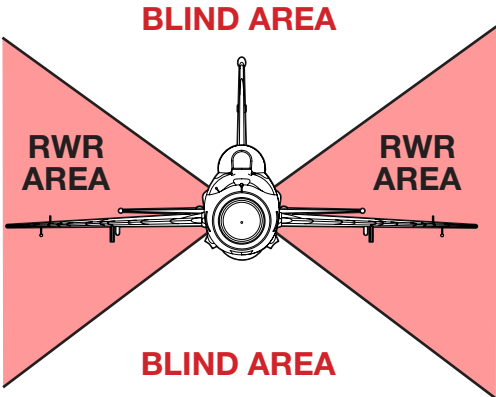
AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
Kh-66	BEAM RIDING					KERRY	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 4		5.5 nm 10 km	HARD TARGET	1-2	1968	Heavy warhead and beam riding version of the K-8.	

AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
S-5	2.2 in 57 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
1, 2, 4, 5	M	SOFT TARGET	UB-16UM	16,32	Unarmored targets. Blast fragmentation.		
			UB-32UM	32,64			

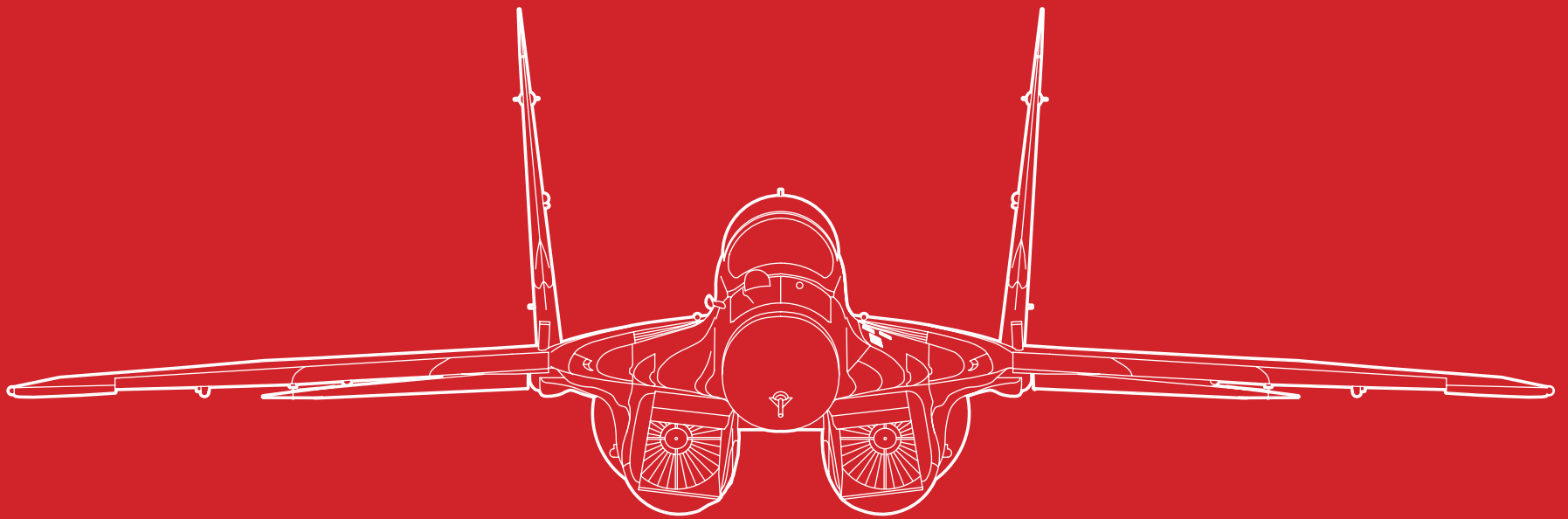
AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-24	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 4, 5	A	SOFT TARGET		1-4	Lightly armored targets.
	B				Reduced smoke version of A.
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BETAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 4	500	BUNKER	1,100 lbs 477 kg	1-2	Concrete piecing bomb.
	500ShP	SOFT TARGET			Parachute retarded with rocket booster.
WEAPON	TYPE	IMAGE			
BL755	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 4		HARD TARGET	1,000 lbs 453.6 kg	1-2	Multiple armored targets
WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 4, 5	100	SOFT TARGET	220.5 lbs 100 kg	1-6	Low-drag, high explosive.
	250	LT STRUCTURE	551.2 lbs 250 kg	1-4	
	250 M54				
2, 4	500 M62	MED STRUCTURE	1102.3 lbs 500 kg	1-2	
WEAPON	TYPE	IMAGE			
RBK	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 4, 5	250 PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-4	High-drag.
WEAPON	TYPE	IMAGE			
RN	NUCLEAR				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3	24	LARGE TARGET	1 kt	1	Nuclear bomb.
	28		10 kt		
WEAPON	TYPE	IMAGE			
SAB	ILLUMI-NATION				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 4, 5	100	TGT MARKING	220.5 lbs 100 kg	1-4	Illuminating targets.

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
ASO	COUNTER MEASURES		
STATION	VERSION	WEIGHT	INFO
6	2	49 lbs 22.2 kg	Countermeasures pod.
POD	TYPE	IMAGE	
SMOKE	SMOKE		
STATION	VERSION	WEIGHT	INFO
7			Smoke dispenser
POD	TYPE	IMAGE	
SPRD	TAKE OFF		
STATION	VERSION	WEIGHT	INFO
6	99	1,103 lbs 500.3 kg	Take-off assist rockets.
POD	TYPE	IMAGE	
SPS	COUNTER MEASURES		
STATION	VERSION	WEIGHT	INFO
3	141-100	331 lbs 150.1 kg	Electronic countermeasures (ECM) pod with ASO countermeasures. ASO Pod cannot be used when equipped.
POD	TYPE	IMAGE	
UPK	GUN		
STATION	VERSION	WEIGHT	INFO
2, 4	23-250	481 lbs 218.2 kg	Dual GSh-23L 23mm gun pod.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
490 L	2, 3, 4	849 lbs 385 kg	
TANK	STATION	WEIGHT	IMAGE
800 L	3	1380 lbs 626 kg	

MiG-21 SPO-10 RWR			
 <p>FRONT OF AIRCRAFT</p> <p>DAY MODE NIGHT MODE</p> <p>MUTE</p> <p>TEST</p> <p>IF RED, SOUND TURNED OFF</p> <p>LIGHT LIT = THREAT IN THIS AREA</p> <p>RED LIGHTS - NIGHT MODE YELLOW LIGHTS - DAY MODE</p>		 <p>BLIND AREA</p> <p>RWR AREA</p>	
		Blinking Light (Regular Frequency)	One aircraft or ground radar station has detected you (but not locked)
		Blinking Light (Irregular Frequency)	Two or more aircraft or ground radar station has detected you (but not locked)
		Continuous Light	You are being locked by radar.
SOUND WARNINGS			
Single Beeps	One radar detecting you	Irregular Beeps	Multiple radars detecting you
Continuous Beep	You are being locked		

AIRCRAFT QUICK REFERENCE



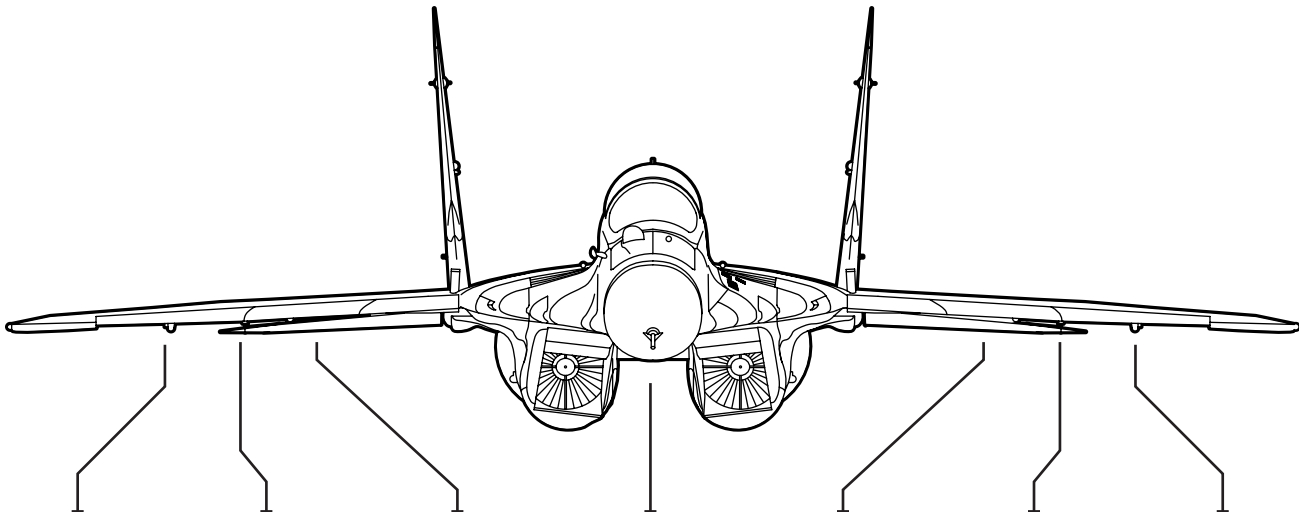
MiG-29 A & G & S
FULCRUM

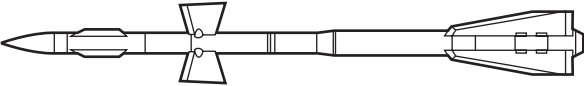


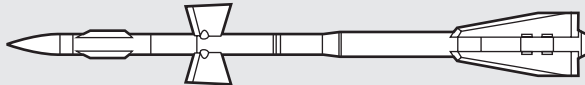

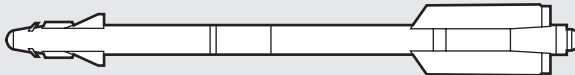
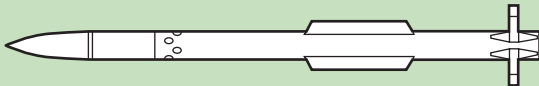
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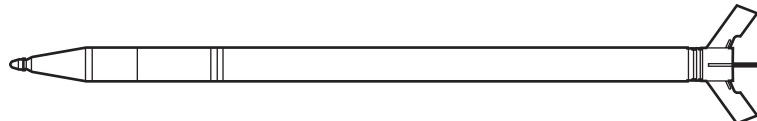

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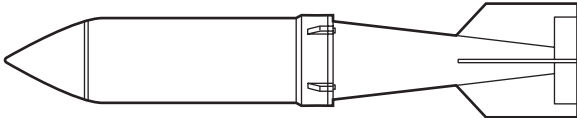
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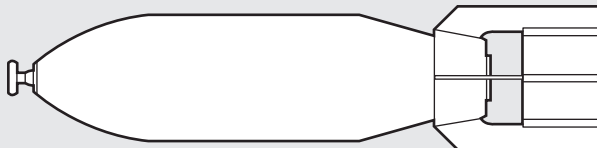
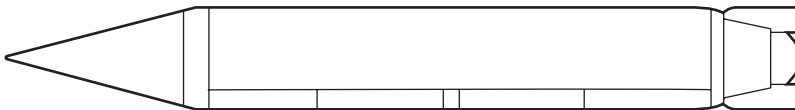

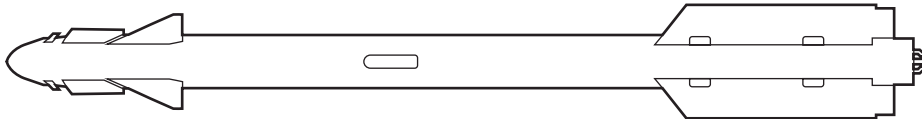


WEIGHT	CLEAN	10,900 KG	* 33,000 LBS						WEAPONS AVAILABLE ON STATION		1 ●
	CLEAN	15,300 KG									
	MAX	18,100 KG									
TAKE OFF	CLEAN	240 KPH									
	LOADED*	280 KPH									
LANDING	GEAR	350 KPH									
	FLAPS	250 KPH									
	GROUND	250 KPH									
TOP SPEED	LOW	1,500 KPH									
	HIGH	2,450 KPH									
MAX ALTITUDE		18,000 M									
MAX RANGE	COMBAT	700 KM									
	FERRY	2,100 KM									
MAX G		9									
MAXIMUM TURN RATE	CLEAN	369 KTS									
RADAR	MAX RNG	65 KM									
GUN	150 SHELLS										
COUNTER MEASURES	CHAFF	30									
	FLARES	30									
STATION			7	6	5	4	3	2	1		
AIR TO AIR MISSILES	R-27	ER			●		●				
		ET			●		●				
		R			●		●				
		T			●		●				
	R-60	M	●	●	●		●	●	●		
	R-73		●	●	●		●	●	●		
	R-77		●	●	●		●	●	●		
ROCKETS	S-8	FP2		●	●		●	●			
		KOM		●	●		●	●			
		TsM		●	●		●	●			
	S-24	B		●	●		●	●			
BOMBS	BETAB	500		●	●		●	●			
		500ShP		●	●		●	●			
	FAB	250		●	●		●	●			
		500 M62		●	●		●	●			
	KMGU	AO-2.5RT		●	●		●	●			
		PTAB-2.5K0		●	●		●	●			
	RBK	250 PTAB-25K0		●	●		●	●			
		250 AO-1Sch		●	●		●	●			
		500 PTAB-1M		●	●		●	●			
		500 PTAB-10.5		●	●		●	●			
PODS	SMOKE GENERATOR		●	●	●	●	●	●	●		
FUEL TANKS		1150 GAL			●		●				
		1400 GAL				●					

AIR TO AIR WEAPONS						
WEAPON	TYPE	IMAGE				RANGE
R-27	SEMI-ACTIVE RADAR					AA-10 ALAMO
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO
3, 5	ER	70 nm 130 km	ALL	1-2	1986	Lock on after launch capability.
	R	43 nm 80 km			1983	

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
R-27	INFRARED					AA-10 ALAMO	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 5	ET	65 nm 120 km	ALL	1-2	1983	Lock on before launch.	
	T	38 nm 70 km			1986		
WEAPON	TYPE	IMAGE				NAME	RANGE
R-60	INFRARED					AA-8 APHID	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 5, 6, 7	M	5.4 nm 10 km	LIMITED ALL	1-6	1978	Up to 8G manoeuvres.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-73	INFRARED					AA-11 ARCHER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 5, 6, 7		16 nm 30 km	ALL	1-6	1982	High off boresight.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-77	ACTIVE RADAR					AA-12 ADDER	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 5, 6, 7	M	54 nm 100 km	ALL	1-6	1992	Can be used against missiles.	

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-8	3.2 in 80 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 5, 6	KOM	HARD TARGET	B-20MI	20, 40, 60, 80	High explosive Anti-Tank warhead.
	OFP2	SOFT TARGET			Unarmored targets. Blast fragmentation.
	TsM	TARGET MARKING			Smoke.
WEAPON	SIZE	IMAGE			
S-24	9.4 in 240 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 5, 6	B	SOFT TARGET	B-13L	1-4	Reduced smoke version of A.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BETAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6	500	BUNKER	1,100 lbs 477 kg	1-4	Concrete piecing bomb.
	500ShP	RUNWAY			

AIR TO GROUND - BOMBS							
WEAPON		TYPE		IMAGE			
FAB		FREE FALL					
STATION		VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6		200		LIGHT STRUCTURE	551.2 lbs 250 kg	1-4	Low-drag, high explosive.
		500 M62		MEDIUM STRUCTURE	1102.3 lbs 500 kg		
WEAPON		TYPE		IMAGE			
KMGU		MUNITION DISPENSER					
STATION		VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6		AO-2.5RT		SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	1-4	Fragmentation.
		PTAB-2.5KO		MEDIUM TARGET			HEAT anti-tank.
WEAPON		TYPE		IMAGE			
RBK		CLUSTER					
STATION		VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 5, 6		250	PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-4	High-drag.
		250	A0-1Sch	SOFT TARGET			
		500	PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank.
		500	PTAB-10.5				
AIR TO GROUND - PODS							
POD		TYPE		IMAGE			
SMOKE GENERATOR		SMOKE					
STATION		VERSION		WEIGHT	INFO		
1, 2, 3, 4, 5, 6, 7				1,025 lbs 464.9 kg	Smoke pod for wing tip pylons.		
FUEL TANKS							
TANK		STATION		WEIGHT	IMAGE		
1150 L		3, 5		1984 lbs 900 kg			
1400 L		4		2414 lbs 1095 kg			

AIRCRAFT QUICK REFERENCE



**Su-25 & T
FROGFOOT**



05/30/24

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Su-25 & T FROGFOOT

WEIGHT	CLEAN	9,340 KG
		10,360 KG
	MAX	17,530 KG
		19,500 KG
TAKE OFF	CLEAN	200 KPH
	LOADED	240 KPH
LANDING	FLAPS/GEAR	400 KPH
	GROUND	210 KPH
TOP SPEED		950 KPH
MAX ALTITUDE		7,000 M
MAX RANGE	COMBAT	510 KM
	FERRY	1,850 KM
MAX G		5.2 G*
MAXIMUM TURN RATE	CLEAN	301 KTS
		321 KTS
GUN	250 SHELLS	
COUNTER MEASURES		C: 128 F:128

* WITH COMBAT LOAD.

WEAPONS AVAILABLE ON STATION

1

4

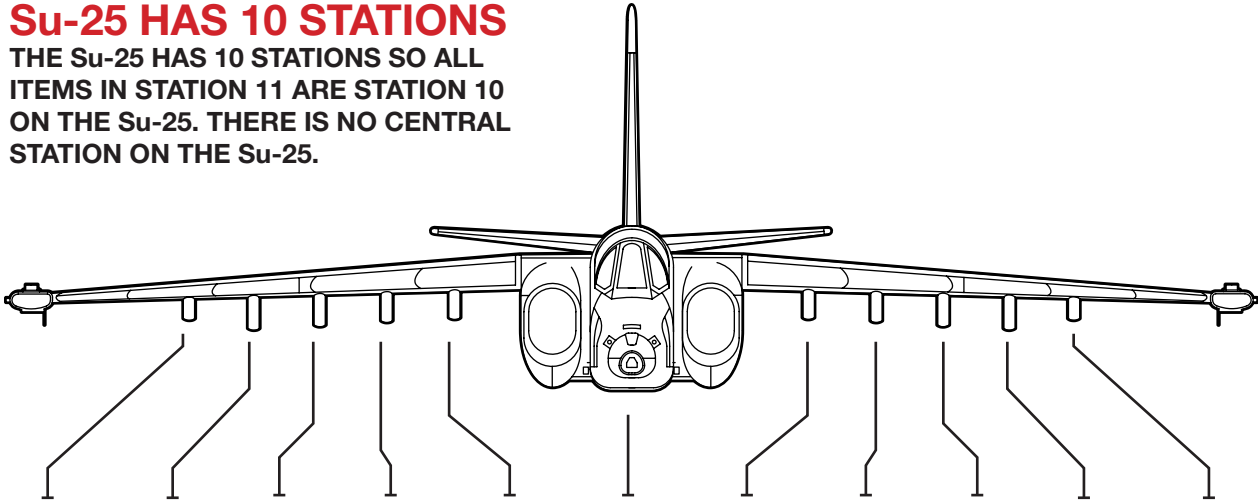
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Su-25

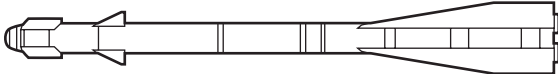
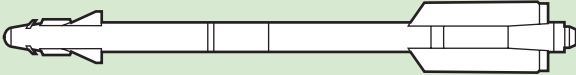
Su-25T

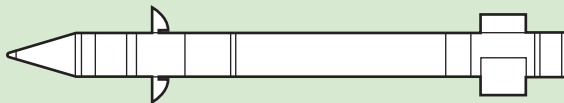
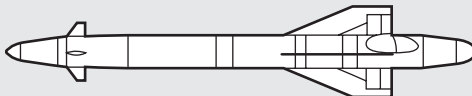
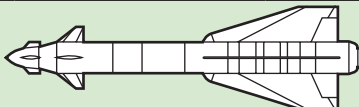
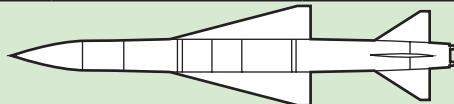
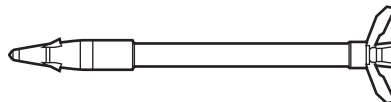
Su-25 HAS 10 STATIONS

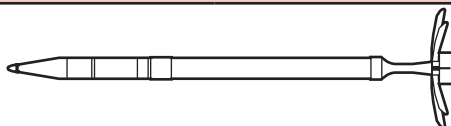
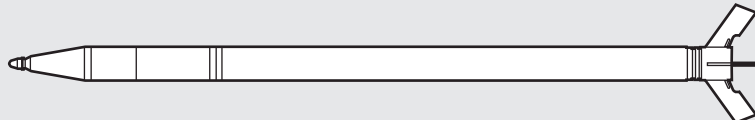
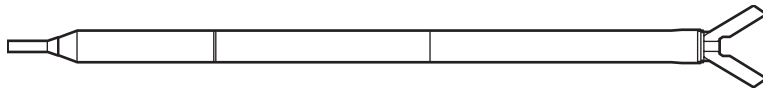
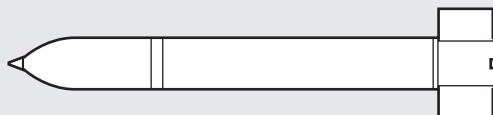
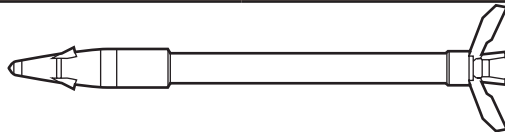
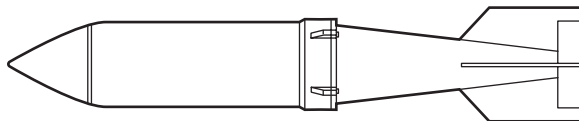
THE Su-25 HAS 10 STATIONS SO ALL ITEMS IN STATION 11 ARE STATION 10 ON THE Su-25. THERE IS NO CENTRAL STATION ON THE Su-25.


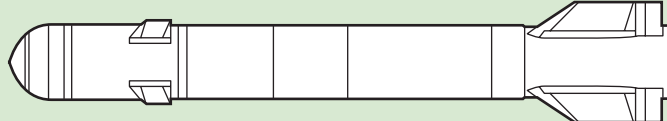
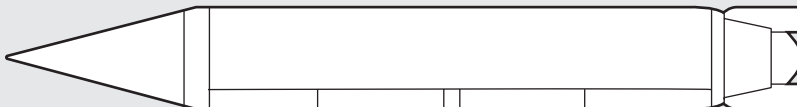
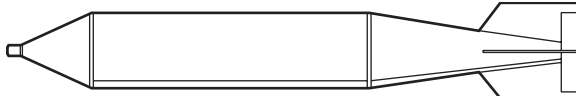



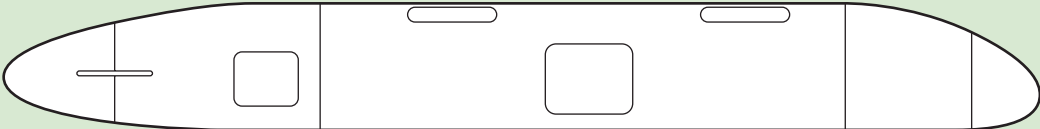
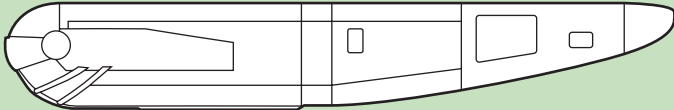


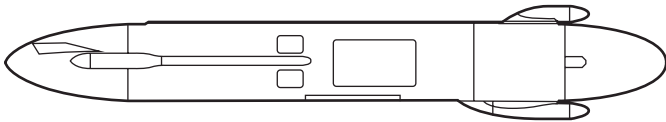
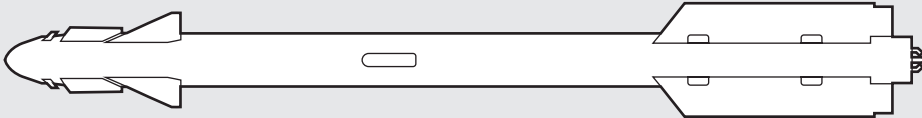

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AIR TO AIR MISSILES	R-60	M	●										●
	R-73			●								●	
AIR TO GROUND MISSILES	9M121					●				●			
	Kh-25	ML			●	●	●		●	●	●		
		MP			●	●				●	●		
		MPU			●	●				●	●		
	Kh-29	L					●		●				
		T					●		●				
	Kh-58	U					●		●				
	S-25	L		●	●	●	●		●	●	●	●	
ROCKETS	S-5	KO		●	●	●	●		●	●	●	●	
	S-8	KOM		●	●	●	●		●	●	●	●	
		OFP2		●	●	●	●		●	●	●	●	
		TsM		●	●	●	●		●	●	●	●	
	S-13	OF		●	●	●	●		●	●	●	●	
	S-24	B		●	●	●	●		●	●	●	●	
BOMBS	BETAB	500		●	●	●	●		●	●	●	●	
		500ShP		●	●	●	●		●	●	●	●	
	FAB	100		●●	●●	●●	●●		●●	●●	●●	●●	
		250		●	●	●	●		●	●	●	●	
		500		●	●	●	●		●	●	●	●	
	KAB	500kr					●		●				
	KMGU	AO-2.5RT		●	●	●	●		●	●	●	●	
		PTAB-2.5K0		●	●	●	●		●	●	●	●	
	RBK	250 PTAB-25K0		●	●	●	●		●	●	●	●	
		250 AO-1Sch		●	●	●	●		●	●	●	●	
		500 PTAB-1M		●	●	●	●		●	●	●	●	
		500 PTAB-10.5		●	●	●	●		●	●	●	●	
		500 OAB-2.5RT		●	●	●	●		●	●	●	●	
	SAB	100		●	●	●	●		●	●	●	●	
PODS	L-081	FANTASMAGORIA						●					
	MERCURY							●					
	MPS	410	●										●
	SPPU	22-1				●	●		●	●			
	SPS	141			●						●		
	SMOKE GENERATOR		●										●
FUEL TANK		800 L			●		●		●		●		

AIR TO AIR WEAPONS						
WEAPON	TYPE	IMAGE				NAME
R-60	INFRARED					AA-8 APHID
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO
1, 11	M	5.4 nm 10 km	LIMITED ALL	1-2	1978	Up to 8G manoeuvres.
WEAPON	TYPE	IMAGE				NAME
R-73	INFRARED					AA-11 ARCHER
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO
2, 10		16 nm 30 km	ALL	1-2	1982	High off boresight.

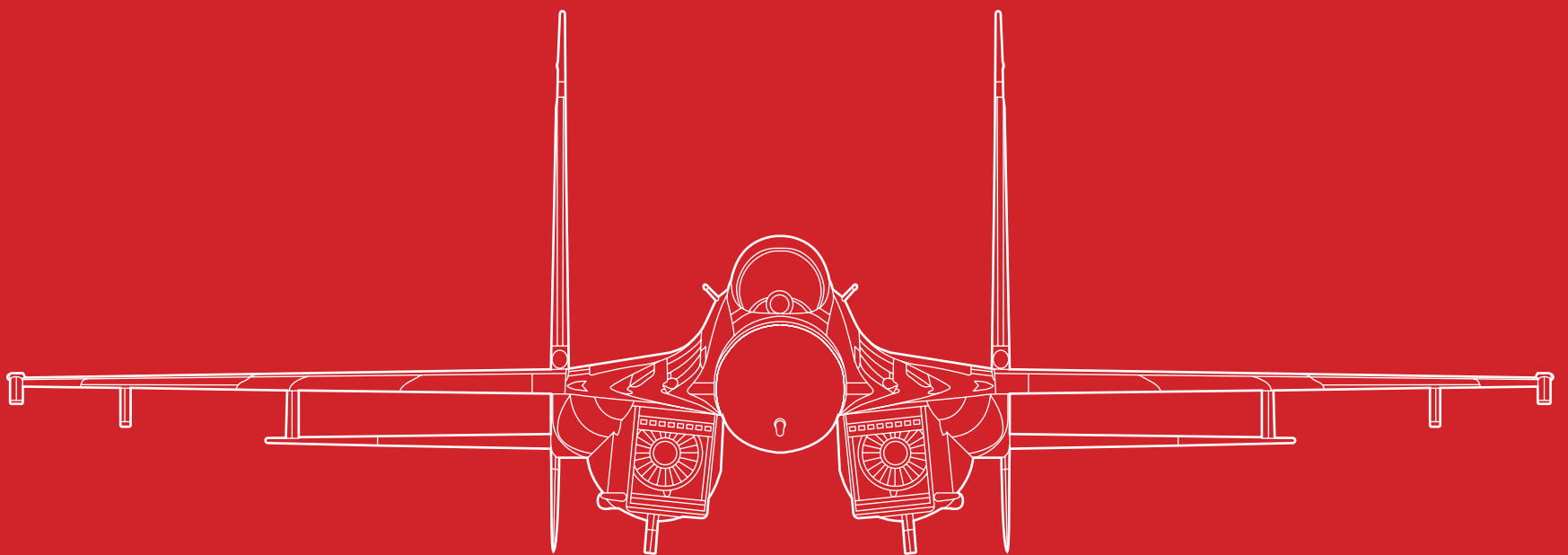
AIR TO GROUND - MISSILES						
WEAPON	TYPE	IMAGE				NAME
9M114	LASER GUIDED BEAM RIDING					VIKHR
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
4, 8		3.8 nm 7 km	ANTI-ARMOR	8, 16	1976	HEAT Charge, Armor penetrator.
WEAPON	TYPE	IMAGE				NAME
Kh-25	AIR TO SURFACE					KAREN
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
3, 4, 5, 7, 8, 9	ML	6 nm 11 km	ANTI-ARMOR	1-6	1975	Semi-active laser guidance.
3, 4, 8, 9	MP	10 nm 18 km	RADAR	1-4	1977	AS-12 Kegler. Modular anti-radiation variant.
	MPU	16 nm 30 km		1-4	1979	AS-12 Kegler. Updated version of the MP.
WEAPON	TYPE	IMAGE				NAME
Kh-29	AIR TO SURFACE					KEDGE
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
5, 7	L	5 nm 10 km	HARD TARGET, SHIP	1-2	1980	Semi-active laser guidance. Similar to the AGM-65.
	T	6 nm 12 km				Passive homing TV guidance. Similar to the AGM-65.
WEAPON	TYPE	IMAGE				NAME
Kh-58	ANTI-RADIATION					KILTER
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
5, 7	U	130 nm 250 km	RADAR	1-2	1982	Improved version with longer range and lock-on-after-launch
WEAPON	TYPE	IMAGE				NAME
S-25	LASER HOMING					
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 4, 5, 7, 8, 9, 10	L	4 nm 7 km	HARD TARGETS	1-8	1980	Limited range rocket with laser guidance.

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-5	2.2 in 57 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	KO	SOFT TARGET	UB-32A	32, 64, 96, 128, 160, 192, 224, 256	Lightly armored targets.
WEAPON	SIZE	IMAGE			
S-8	3.2 in 80 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	KOM	HARD TARGET	B-8MI	20, 40, 60, 80, 100, 120, 140, 160	High explosive Anti-Tank warhead.
	OFP2	SOFT TARGET			Unarmored targets. Blast fragmentation.
	TsM	TARGET MARKING			Smoke.
WEAPON		IMAGE			
S-13	4.8 in 122 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	OF	SOFT TARGET	B-13L	5, 10, 15, 20, 25, 30, 35, 40	Unarmored targets. Blast fragmentation.
WEAPON	SIZE	IMAGE			
S-24	9.4 in 240 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	B	SOFT TARGET	B-13L	1-8	Reduced smoke version of A.
WEAPON	SIZE	IMAGE			
S-25	13.4 in 340 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	OFM	HARD TARGET		1-8	High explosive Anti-Tank warhead
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BETAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	500	BUNKER	1,100 lbs 477 kg	1-8	Concrete piecing bomb.
	500ShP	RUNWAY		1-8	

AIR TO GROUND - BOMBS						
WEAPON	TYPE		IMAGE			
FAB	FREE FALL					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	100		SOFT TARGET	220.5 lbs 100 kg	1-8, 16, 32	Low-drag, high explosive.
	250		LIGHT STRUCTURE	551.2 lbs 250 kg	1-8	
	500		MEDIUM STRUCTURE	1102.3 lbs 500 kg		
WEAPON	TYPE		IMAGE			
KAB	GUIDED					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
5, 7	500kr		MEDIUM STRUCTURE	1146.4 lbs 520 kg	1-2	TV guided.
WEAPON	TYPE		IMAGE			
KMGU	MUNITION DISPENSER					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	AO-2.5RT		SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	1-8	Fragmentation.
	PTAB-2.5KO		MEDIUM TARGET			HEAT anti-tank.
WEAPON	TYPE		IMAGE			
RBK	CLUSTER					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	250	PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-8	High-drag.
	250	A0-1Sch	SOFT TARGET			
	500	PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank.
	500	PTAB-10.5				
	500	OAB-2.5RT	SOFT TARGET			
WEAPON	TYPE		IMAGE			
SAB	ILLUMIN- ATION					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5, 7, 8, 9, 10	100		TARGET MARKING	220.5 lbs 100 kg	1-8	Illuminating targets.

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
L-081	ELINT		
STATION	VERSION	WEIGHT	INFO
6	FANTASMAGORIA	662 lbs 300.3 kg	Electronic intelligence (ELINT) emission targeting for Kh-25MP/MPU and Kh-58U.
POD	TYPE	IMAGE	
MERCURY	TARGETING		
STATION	VERSION	WEIGHT	INFO
6		1,047 lbs 474.9 kg	Low-light television (LLTV) EO targeting for Kh-29T, KAB-500kr.
POD	TYPE	IMAGE	
MPS	COUNTER MEASURES		
STATION	VERSION	WEIGHT	INFO
1, 11	410	871 lbs 398.1 kg	Electronic countermeasures (ECM) pod.
POD	TYPE	IMAGE	
SPPU	GUN		
STATION	VERSION	WEIGHT	INFO
4, 5, 7, 8	22-1	1,179 lbs 534.8 kg	Dual traversable 23mm GSh-23.
POD	TYPE	IMAGE	
SPS	COUNTER MEASURES		
STATION	VERSION	WEIGHT	INFO
3, 9	141	331 lbs 150.1 kg	Electronic countermeasures (ECM) pod with ASO countermeasures. ASO Pod cannot be used when equipped.
POD	TYPE	IMAGE	
SMOKE GENERATOR	SMOKE		
STATION	VERSION	WEIGHT	INFO
1, 11		1,025 lbs 464.9 kg	Smoke pod for wing tip pylons.
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
800 L	3, 5, 7, 9	1380 lbs 626 kg	

AIRCRAFT QUICK REFERENCE



Su-27 | J-11A
FLANKER



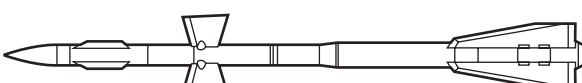
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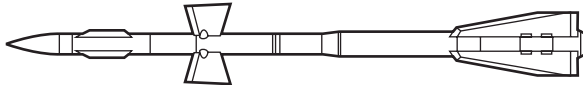

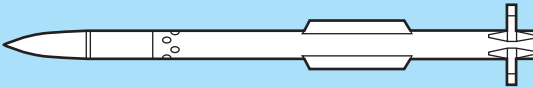
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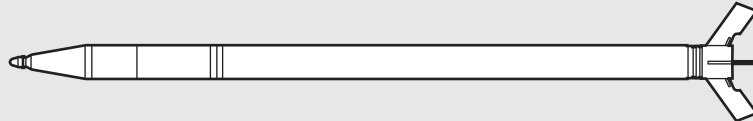
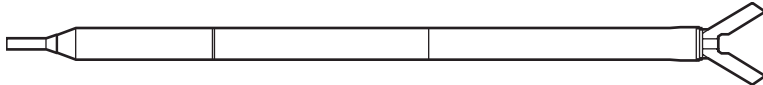
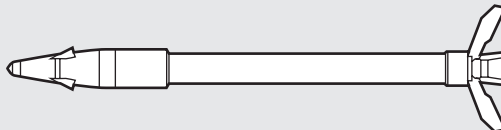
Su-27 | J-11A FLANKER

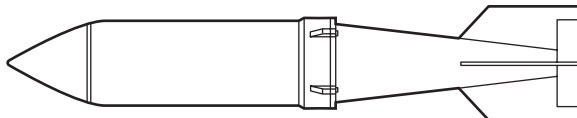
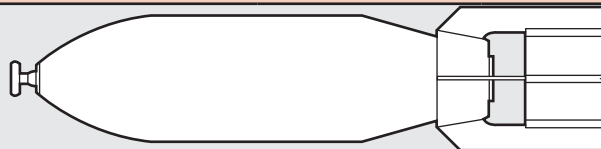
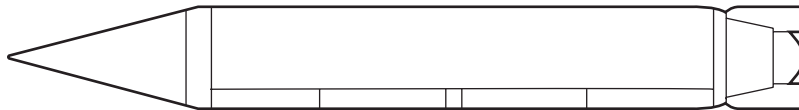


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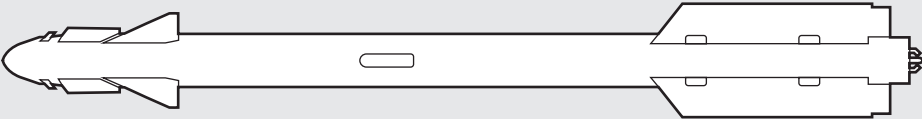
AIR TO AIR WEAPONS

AA-10 ALAMO							
WEAPON	TYPE	IMAGE				NAME	RANGE
R-27	SEMI-ACTIVE RADAR					AA-10 ALAMO	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 4, 5, 6, 7, 8	ER	70 nm 130 km	ALL	1-6	1986	Lock on after launch capability.	
	R	43 nm 80 km			1983		

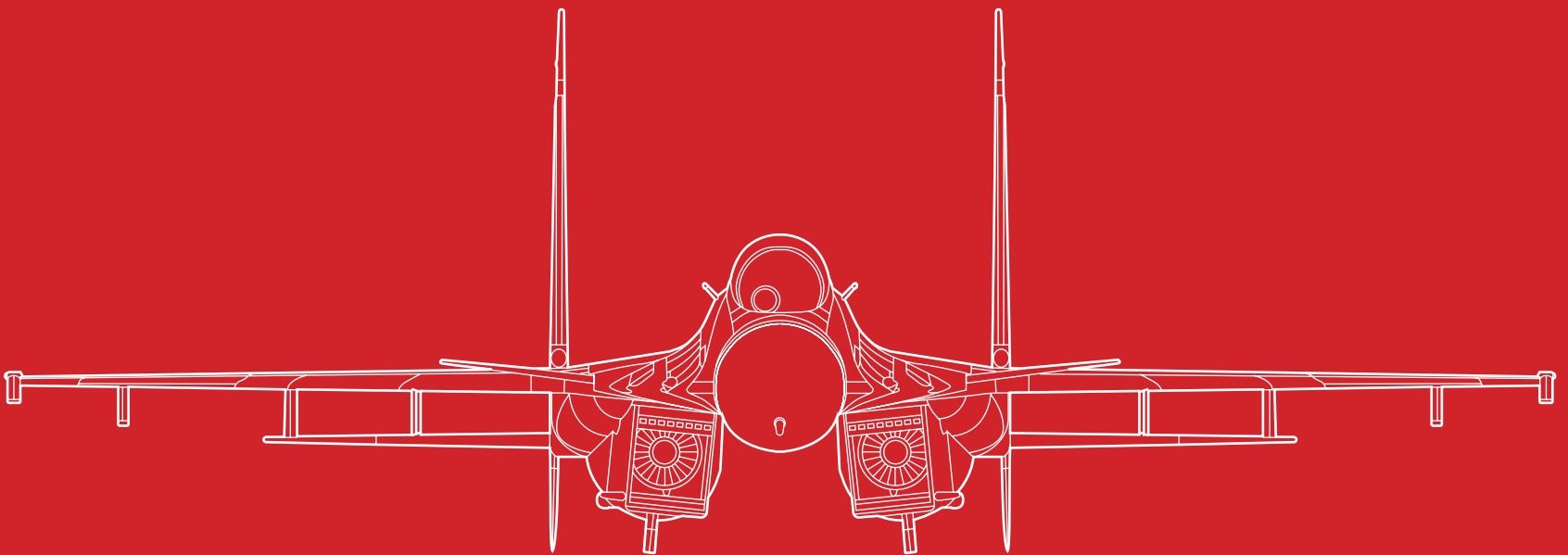
AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
R-27	INFRARED					AA-10 ALAMO	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 8	ET	65 nm 120 km	ALL	1-2	1983	Lock on before launch.	
	T	38 nm 70 km			1986		
WEAPON	TYPE	IMAGE				NAME	RANGE
R-73	INFRARED					AA-11 ARCHER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 8, 9, 10		16 nm 30 km	ALL	1-6	1982	High off boresight.	
WEAPON	TYPE	IMAGE				NAME	RANGE
R-77	ACTIVE RADAR					AA-12 ADDER	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 8		54 nm 100 km	ALL	6	1992	Can be used against missiles.	

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-8	3.2 in 80 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
3, 8	KOM	HARD TARGET	B-8	20, 40, 60, 80	High explosive Anti-Tank warhead.
	OFP2	SOFT TARGET			Unarmored targets. Blast fragmentation.
	TsM	TARGET MARKING			Smoke.
WEAPON		IMAGE			
S-13	4.8 in 122 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
3, 8	OF	SOFT TARGET	BL-13	5, 10, 15, 20	Unarmored targets. Blast fragmentation.
WEAPON	SIZE	IMAGE			
S-25	13.4 in 340 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
3, 8	OFM	HARD TARGET		1-4	High explosive Anti-Tank warhead

AIR TO GROUND - BOMBS						
WEAPON	TYPE		IMAGE			
BETAB	FREE FALL					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	500		BUNKER	1,100 lbs 477 kg	1-6	Concrete piecing bomb.
	500ShP		RUNWAY			
WEAPON	TYPE		IMAGE			
FAB	FREE FALL					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	100		SOFT TARGET	220.5 lbs 100 kg	1-6, 12, 18, 24, 30, 36	Low-drag, high explosive.
	250		LIGHT STRUCTURE	551.2 lbs 250 kg	1-12, 18, 20, 25, 30, 33	
	500 M62		MEDIUM STRUCTURE	1102.3 lbs 500 kg	1-6	
WEAPON	TYPE		IMAGE			
KMGU	MUNITION DISPENSER					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	AO-2.5RT		SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	1-6	Fragmentation.
	PTAB-2.5KO		MEDIUM TARGET			HEAT anti-tank.
WEAPON	TYPE		IMAGE			
RBK	CLUSTER					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	250	PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-8	High-drag.
	250	A0-1Sch	SOFT TARGET			
	500	PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank.
	500	PTAB-10.5				
	500	OAB-2.5RT	SOFT TARGET			High-drag. Fragmentation.
WEAPON	TYPE		IMAGE			
SAB	ILLUMIN- ATION					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	100		TARGET MARKING	220.5 lbs 100 kg	1-6	Illuminating targets.

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
L005	ELINT		
STATION	VERSION	WEIGHT	INFO
1, 10	SORBTSIYA	661 lbs 299.8 kg	Electronic countermeasures (ECM) pod.
POD	TYPE	IMAGE	
SMOKE GENERATOR	SMOKE		
STATION	VERSION	WEIGHT	INFO
1 - 10		1,025 lbs 464.9 kg	Smoke pod for wing tip pylons.

AIRCRAFT QUICK REFERENCE



Su-33
FLANKER-D








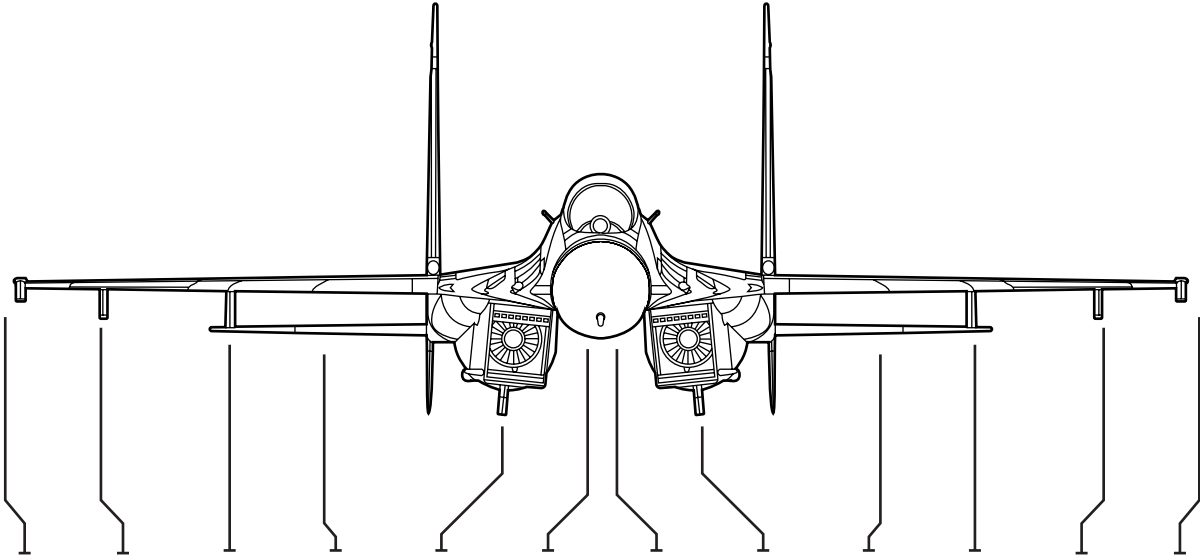
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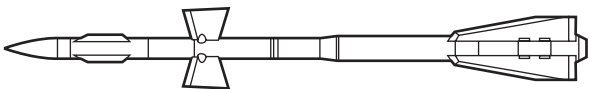
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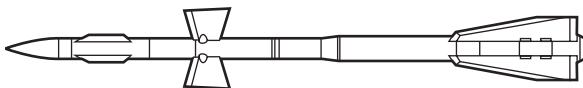
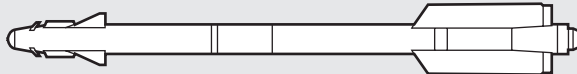
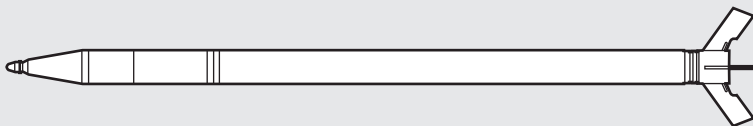
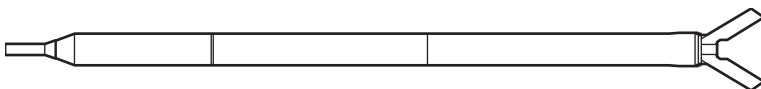
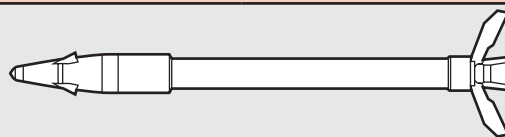
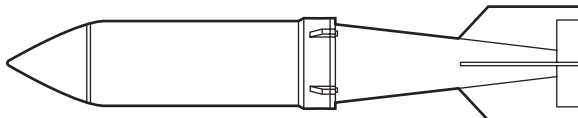
Su-33 FLANKER-D

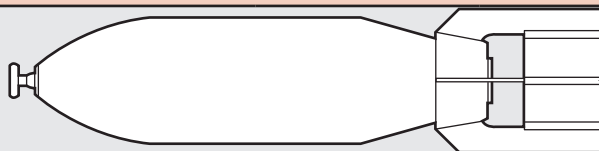
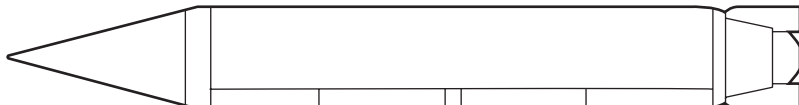



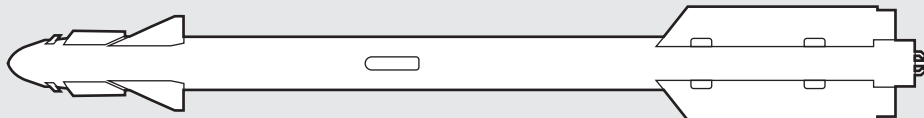
WEIGHT	CLEAN	19,600 KG	* CLEAN.	<div>WEAPONS AVAILABLE ON STATION</div> <div>1 </div> <div>2 </div> <div>3 </div> <div>4 </div> <div>6 </div>
	MAX	26,000 KG		
TAKE OFF	CLEAN	280 KPH		
	LOADED	300 KPH		
LANDING	FLAPS	380 KPH		
	GEAR	240 KPH		
	GROUND	225 KPH		
TOP SPEED	LOW	1,300 KPH*		
	HIGH	2,300 KPH*		
MAX ALTITUDE		17,000 M		
MAX RANGE	COMBAT	1,000 KM		
	FERRY	3,900 KM		
MAX G		8		
MAXIMUM TURN RATE	CLEAN	374 KTS		
RADAR	MAX RNG	100 KM		
GUN	150 SHELLS			
COUNTER MEASURES	CHAFF	48		
	FLARE	48		



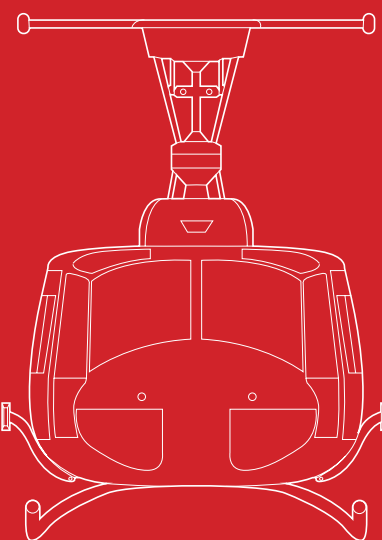
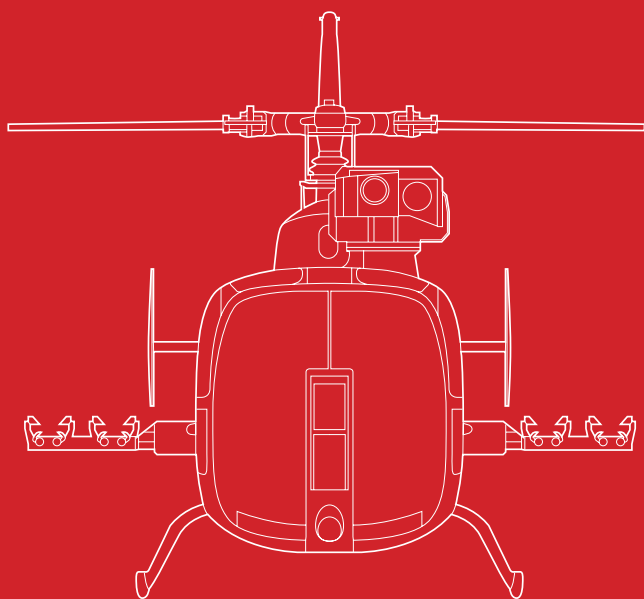
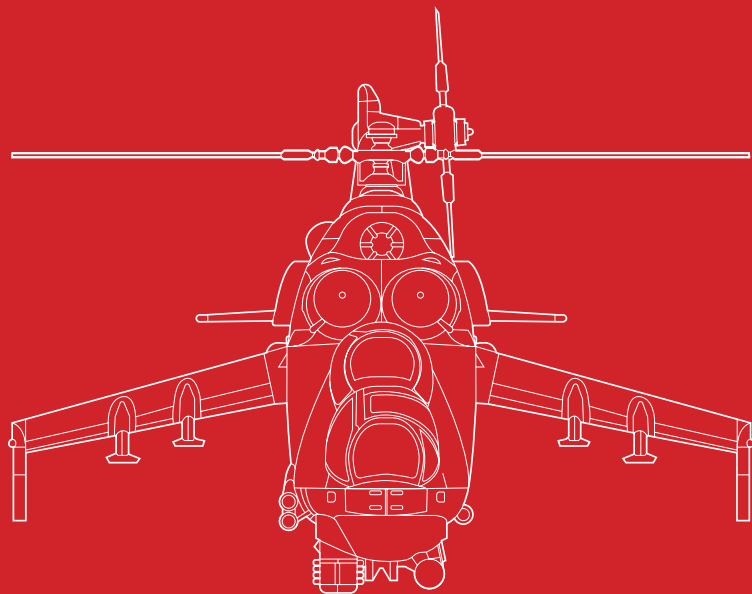
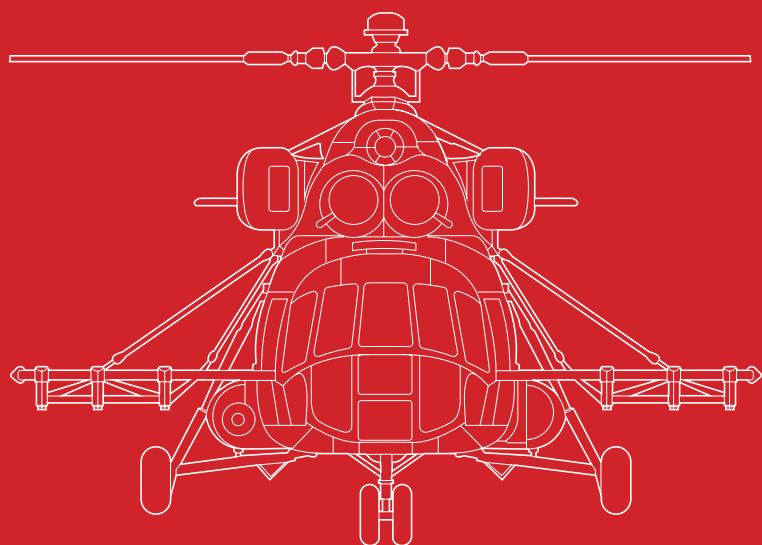
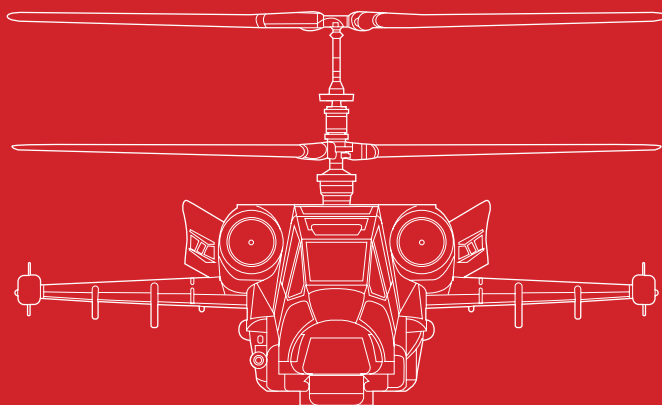
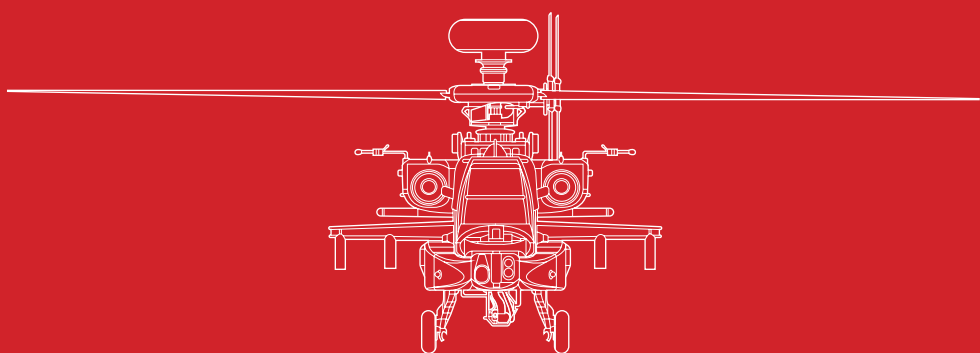
STATION			12	11	10	9	8	7	6	5	4	3	2	1
AIR TO AIR MISSILES	R-27	ER			●	●	●	●	●	●	●	●		
		ET			●							●		
		R			●	●	●	●	●	●	●	●		
		T			●							●		
	R-73		●	●	●							●	●	●
ROCKETS	S-8	KOM			●●	●					●	●●		
		OFP2			●●	●					●	●●		
		TsM			●●	●					●	●●		
	S-13	OF			●●	●					●	●●		
	S-25	OFM			●●	●					●	●●		
BOMBS	BETAB	500			●	●	●	●		●	●	●		
	FAB	100		●	●●		●●	●●		●●		●●	●	
		250		●	●●	●	●●	●●	●	●●	●	●●	●	
		500 M62			●	●	●	●	●	●	●	●		
	KMGU	AO-2.5RT			●	●	●	●	●	●	●	●		
		PTAB-2.5K0			●	●	●	●	●	●	●	●		
	RBK	250 PTAB-2.5M			●	●	●	●	●	●	●	●		
		250 AO-1Sch			●	●	●	●	●	●	●	●		
		500 PTAB-1M			●	●	●	●	●	●	●	●		
		500 PTAB-10.5			●	●	●	●	●	●	●	●		
		500 OAB-2.5RT			●	●	●	●	●	●	●	●		
	SAB	100			●	●	●	●	●	●	●	●		
PODS	L-005	SORBTSIYA	●											●
	SMOKE GENERATOR		●	●	●	●	●	●	●	●	●	●	●	●

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
R-27	SEMI-ACTIVE RADAR					AA-10 ALAMO	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 4, 5, 6, 7, 8	ER	70 nm 130 km	ALL	1-6	1986	Lock on after launch capability.	
	R	43 nm 80 km			1983		

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
R-27	INFRARED					AA-10 ALAMO	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
3, 8	ET	65 nm 120 km	ALL	1-2	1983	Lock on before launch.	
	T	38 nm 70 km			1986		
WEAPON	TYPE	IMAGE				NAME	RANGE
R-73	INFRARED					AA-11 ARCHER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 8, 9, 10		16 nm 30 km	ALL	1-6	1982	High off boresight.	
AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
S-8	3.2 in 80 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
3, 8	KOM	HARD TARGET	B-8	20, 40, 60, 80	High explosive Anti-Tank warhead.		
	OFP2	SOFT TARGET			Unarmored targets. Blast fragmentation.		
	TsM	TARGET MARKING			Smoke.		
WEAPON		IMAGE					
S-13	4.8 in 122 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
3, 8	OF	SOFT TARGET	BL-13	5, 10, 15, 20	Unarmored targets. Blast fragmentation.		
WEAPON	SIZE	IMAGE					
S-25	13.4 in 340 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
3, 8	OFM	HARD TARGET		1-4	High explosive Anti-Tank warhead		
AIR TO GROUND - BOMBS							
WEAPON	TYPE	IMAGE					
BETAB	FREE FALL						
STATION	VERSION	TARGET	WEIGHT	QTY	INFO		
3, 4, 5, 6, 7, 8	500	BUNKER	1,100 lbs 477 kg	1-6	Concrete piecing bomb.		
	500ShP	RUNWAY					

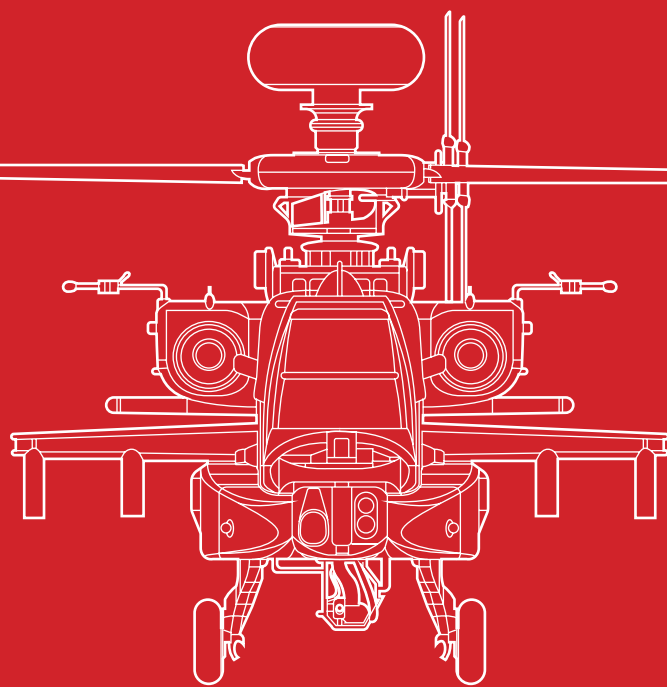
AIR TO GROUND - BOMBS						
WEAPON	TYPE		IMAGE			
FAB	FREE FALL					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	100		SOFT TARGET	220.5 lbs 100 kg	1-6, 12, 18, 24, 30, 36	Low-drag, high explosive.
	250		LIGHT STRUCTURE	551.2 lbs 250 kg	1-12, 18, 20, 25, 30, 33	
	500 M62		MEDIUM STRUCTURE	1102.3 lbs 500 kg	1-6	
WEAPON	TYPE		IMAGE			
KMGU	MUNITION DISPENSER					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	AO-2.5RT		SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	1-6	Fragmentation.
	PTAB-2.5KO		MEDIUM TARGET			HEAT anti-tank.
WEAPON	TYPE		IMAGE			
RBK	CLUSTER					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	250	PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-8	High-drag.
	250	A0-1Sch	SOFT TARGET			
	500	PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank.
	500	PTAB-10.5				
	500	OAB-2.5RT	SOFT TARGET			
WEAPON	TYPE		IMAGE			
SAB	ILLUMINATION					
STATION	VERSION		TARGET	WEIGHT	QTY	INFO
3, 4, 5, 6, 7, 8	100		TARGET MARKING	220.5 lbs 100 kg	1-6	Illuminating targets.
AIR TO GROUND - PODS						
POD	TYPE		IMAGE			
L005	ELINT					
STATION	VERSION		WEIGHT	INFO		
1, 10	SORBTSIYA		661 lbs 299.8 kg	Electronic countermeasures (ECM) pod.		
POD	TYPE		IMAGE			
SMOKE GENERATOR	SMOKE					
STATION	VERSION		WEIGHT	INFO		
1 - 10			1,025 lbs 464.9 kg	Smoke pod for wing tip pylons.		

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AH-64D APACHE LONGBOW



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AH-64D APACHE LONGBOW

WEIGHT	CLEAN	12,783 LBS
	MAX	23,000 LBS
LIMITS	MAX ROTOR	121% for 12 sec
	MAX TEMP	949 deg for 12 sec
	MAX TORQUE	125% for 6 sec
TAKE OFF	TAXI	5 - 6 KTS
	ROLLING	50 KTS
LANDING	TO HOVER	40 KTS
	HOVER	5 KTS
TOP SPEED	CRUISE	143 KTS
	MAX	158 KTS
MAX ALTITUDE		20,000 FT
RANGE	COMBAT	480 KM
	FERRY	1,896 KM
GUN	1200 ROUNDS	
	MAX RNG	4.2 KM 2.2 NM
COUNTER MEASURES	CHAFF	30
	FLARE	60

WEAPONS AVAILABLE ON STATION

1

2

3

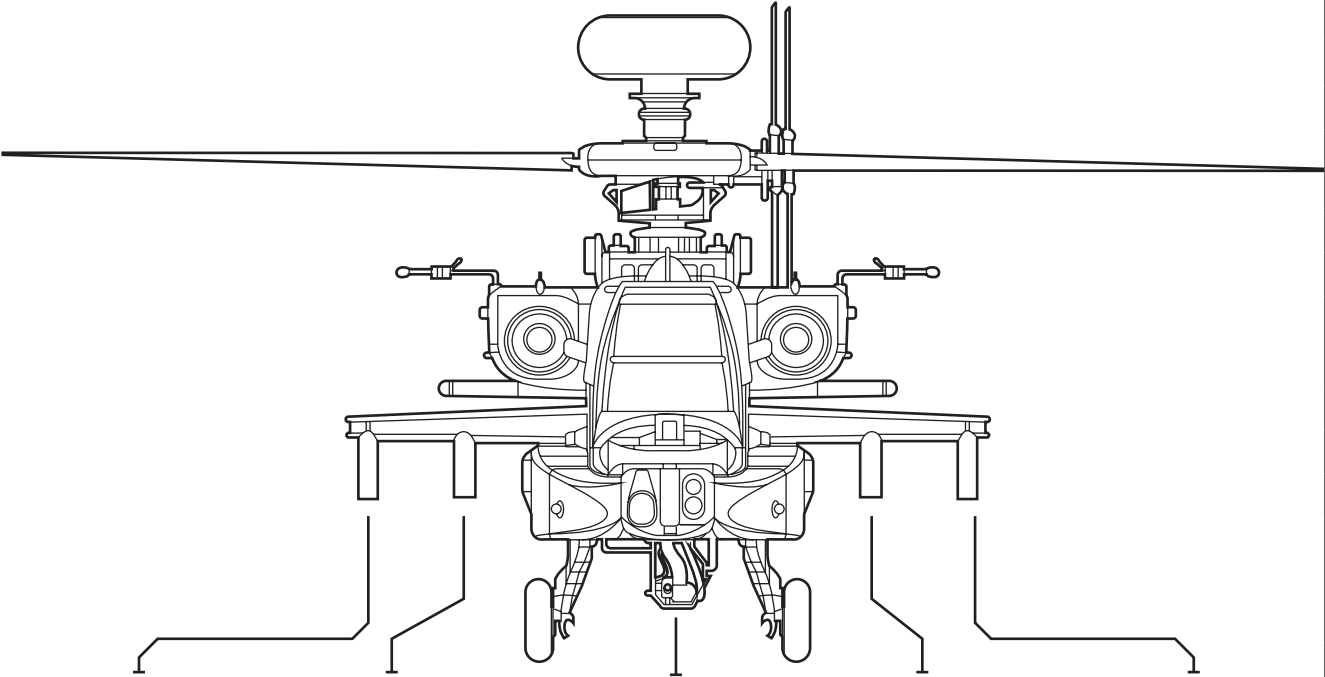
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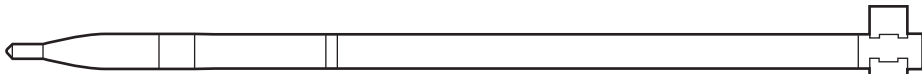

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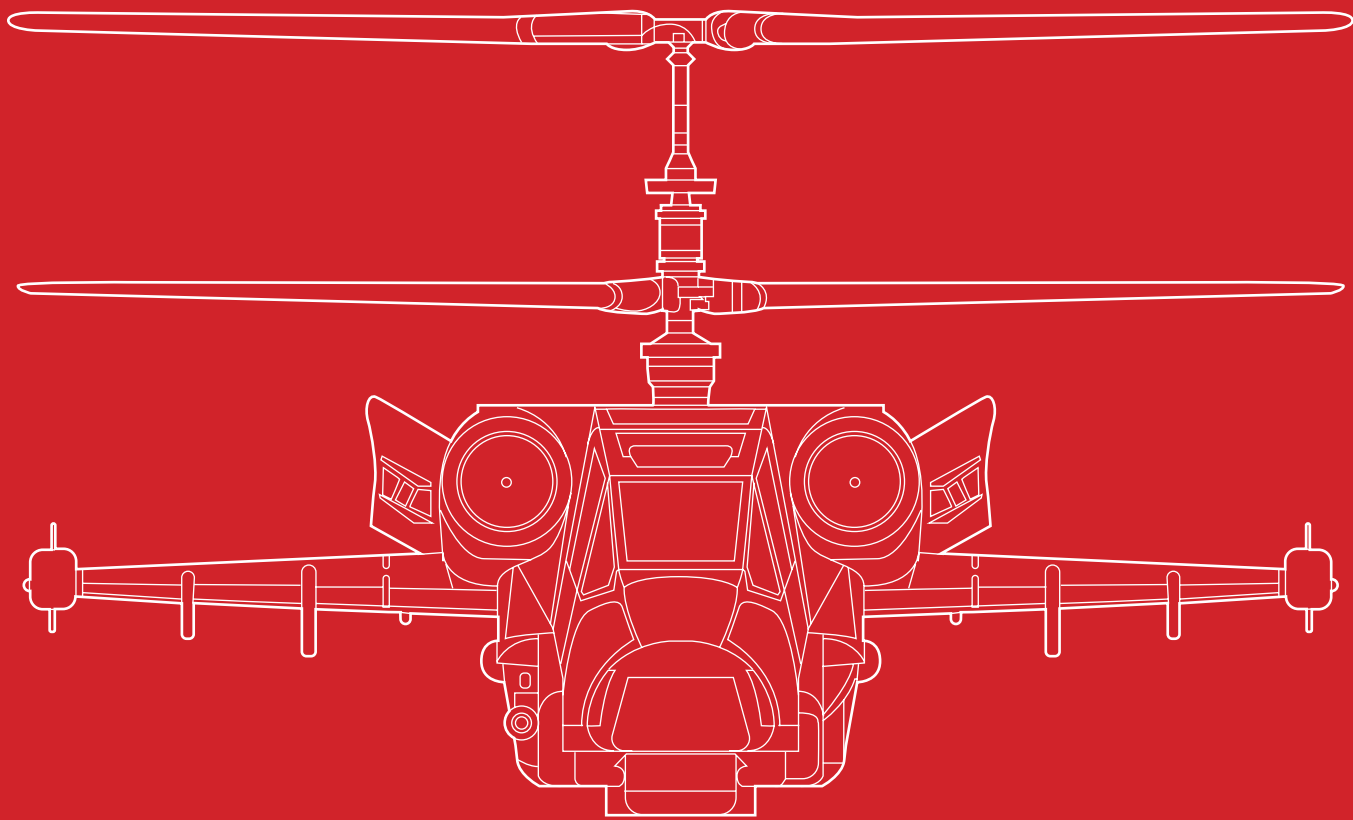


STATION			4	3	IAFS	2	1
AIR TO GROUND MISSILES	AGM-114	K	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>		<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
		L	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>		<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>
ROCKETS	HYDRA	M151	<div><div></div></div>	<div><div></div></div>		<div><div></div></div>	<div><div></div></div>
		M229	<div><div></div></div>	<div><div></div></div>		<div><div></div></div>	<div><div></div></div>
		M257	<div><div></div></div>	<div><div></div></div>		<div><div></div></div>	<div><div></div></div>
		M274	<div><div></div></div>	<div><div></div></div>		<div><div></div></div>	<div><div></div></div>
		M282	<div><div></div></div>	<div><div></div></div>		<div><div></div></div>	<div><div></div></div>
FUEL TANK		100 GAL			<div><div></div></div>		
		230 GAL	<div><div></div></div>	<div><div></div></div>		<div><div></div></div>	<div><div></div></div>

AIR TO GROUND MISSILES									
WEAPON	TYPE	IMAGE				NAME			
AGM-114	LASER/ RADAR GUIDED					HELLFIRE			
STATION	VERSION	MAX RNG	TARGET	QTY	YR	MIN RNG		INFO	
1, 2, 3, 4	K	4.3 nm 8 km	ANTI-ARMOR	1-16	1993	LOBL	0.27 nm 0.5 km		Semi-Active Laser Homing (SALH).
						LOAL	DIR	0.8 nm 1.5 km	
							HI	1.6 nm 3 km	Height Req. 1400 - 1600 ft
							LOW	1 nm 2 km	Height Req. 800 - 1000 ft
	L					Same as above			

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 3, 4	M151	SOFT TARGET	M261	19, 38, 57, 76	High Explosive.
	M229	HARD TARGET			High Explosive 17 Pounder.
	M257	TARGET MARKING			Parachute illumination.
	M274				Parachute smoke.
	M282	HARD TARGET			Multipurpose Penetrator.
FUEL TANKS					
TANK	STATION	WEIGHT	IMAGE		
230 GAL	1, 2, 3, 4	146 lbs 66.2 kg			

AIRCRAFT QUICK REFERENCE



KA-50
BLACK SHARK



GOLDWOLF

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KA-50 BLACK SHARK

WEIGHT	CLEAN	17,703 LBS
	MAX	26,235 LBS
TAKE OFF	TO HOVER	2 - 10 M
	CLIMBING	120 KPH
LANDING	TO HOVER	120 KPH
	GEAR	-5 M/S
TOP SPEED	GEAR DN	10 M
	GEAR UP	200 KPH
MAX ALTITUDE		300 KPH
MAX RANGE	COMBAT	18,000 FT
	FERRY	250 NM
MAX G		630 NM
MAX BANK		3G
GUN	460 ROUNDS	
GUN RANGE	2000m MAX 800m MIN	
COUNTER MEASURES	CHAFF	0
	FLARE	128

BLACK SHARK

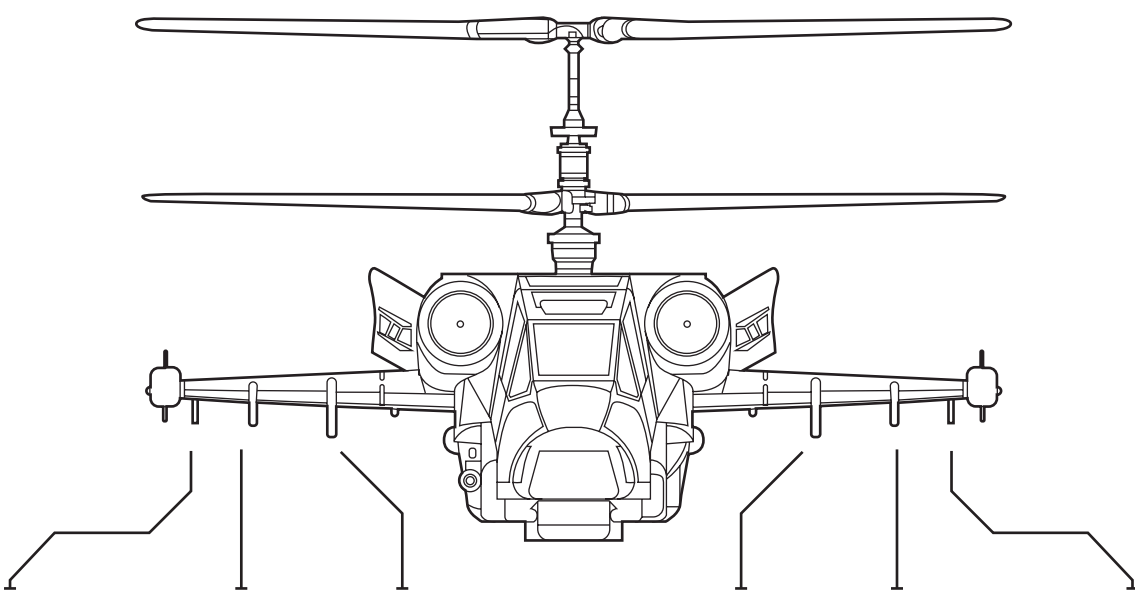
BLACK SHARK 3

WEAPONS AVAILABLE ON STATION

1 2 6


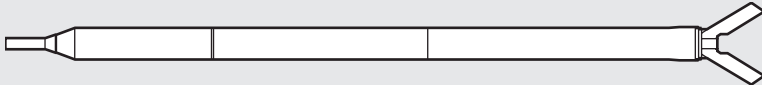
BLACK SHARK 3 HAS 6 STATIONS


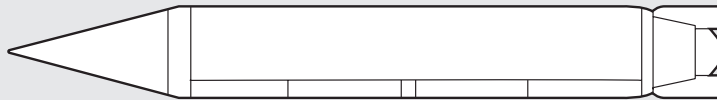
THE BLACK SHARK 3 HAS 6 STATIONS COMPARED TO THE ORIGINAL BLACKSHARK WITH 4. THE ORIGINAL BLACK SHARK STATIONS START AT 2 TO 5.

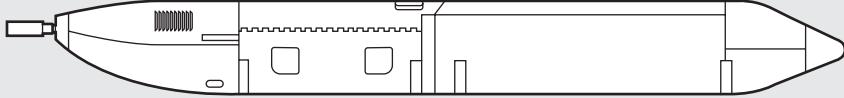



STATION			6	5	4	3	2	1
AIR TO AIR MISSILES	9M39		●					●
	9M127			●			●	
ROCKETS	S-8	Kh-25 ML		●			●	
		KOM		●	●	●	●	
		OFP2		●	●	●	●	
		OM		●	●	●	●	
	S-13	TsM		●	●	●	●	
BOMBS	FAB	OF		●	●	●	●	
		250		●	●	●	●	
		250 M62		●			●	
	KMGU	500 M62		●	●	●	●	
		AO-2.5RT		●	●	●	●	
PODS	UPK	PTAB-2.5KO		●	●	●	●	
FUEL TANK		23-250		●	●	●	●	
		PTB 450		●	●	●	●	

AIR TO GROUND MISSILES						
WEAPON	TYPE	IMAGE				NAME
9M39	AIR TO SURFACE					IGLA
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
1, 6		3.2 nm 6 km	ANTI-AIR	2-4	1983	More resistant to flares and jamming compared previous models.
WEAPON	TYPE	IMAGE				NAME
9M127	LASER GUIDED BEAM RIDING					VIKHR
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
1, 4		6.5 nm 12 km	ANTI-ARMOR	6, 12	1990	HEAT Charge, Armor penetrator. Prox fuse against air and groups.
WEAPON	TYPE	IMAGE				NAME
Kh-25	AIR TO SURFACE					KAREN
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
1, 4	ML	6 nm 11 km	ANTI-ARMOR	1-2	1975	Semi-active laser guidance.

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-8	3.2 in 80 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 3, 4	KOM	HARD TARGET	B-8V20A	20, 40, 60, 80	HEAT warhead.
	OFP2	SOFT TARGET			Blast frag
	OM	TARGET MARKING			Illumination.
	TsM				Smoke.
WEAPON	SIZE	IMAGE			
S-13	4.8 in 122 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 3, 4	OF	SOFT TARGET	B-13L	5, 10, 15, 20	Unarmored targets. Blast fragmentation.

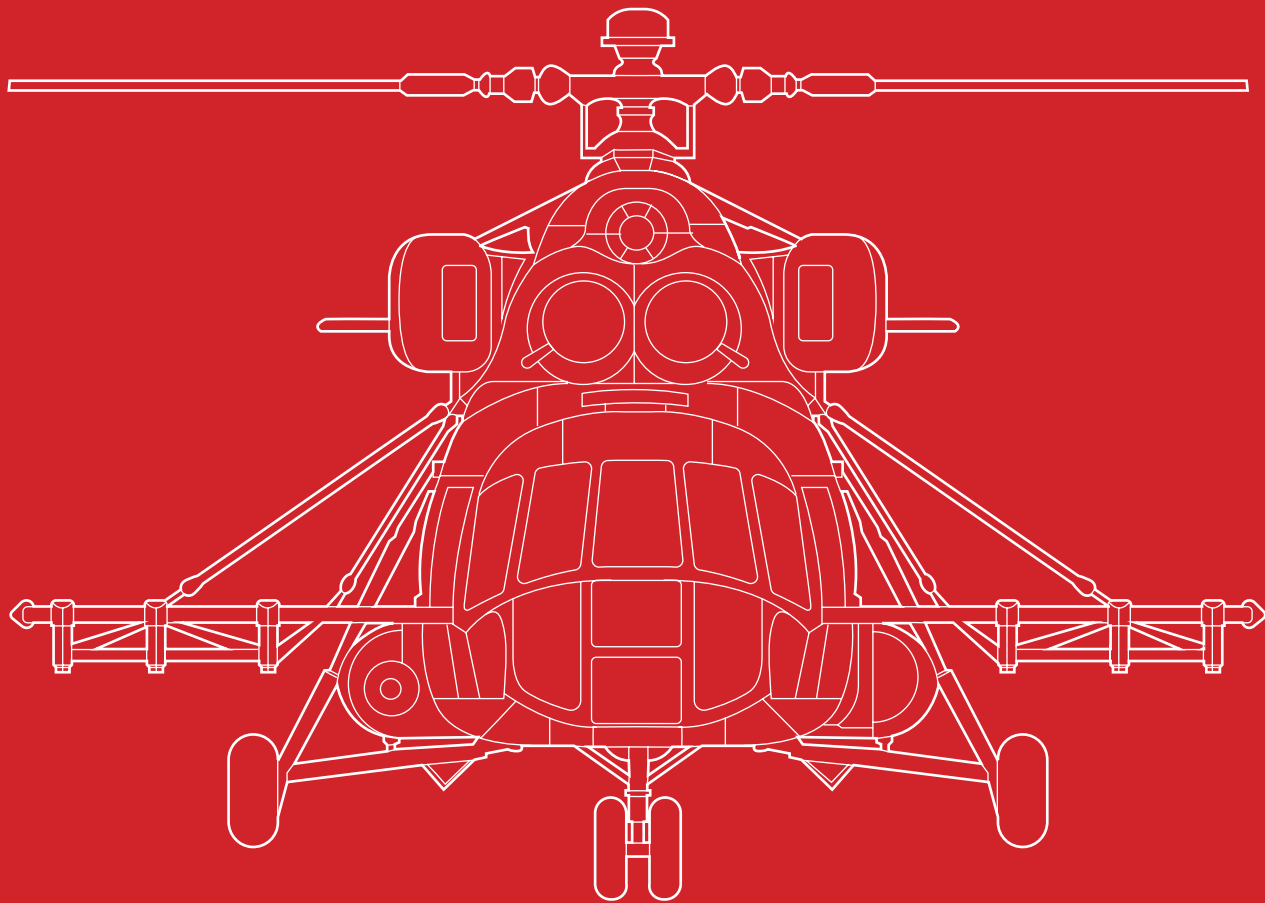
AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4	250	LIGHT STRUCTURE	551.2 lbs 250 kg	1-4	Low-drag, high explosive.
	500 M62	MEDIUM STRUCTURE	1102.3 lbs 500 kg		
WEAPON	TYPE	IMAGE			
KMGU	BOMB DISPENSER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4	A0-2.5RT	SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	96, 192, 288, 384	Fragmentation.
	PTAB-2.5K0	MEDIUM TARGET			HEAT anti-tank.

AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
UPK	GUN				
STATION	VERSION	WEIGHT	INFO		
1, 2, 3, 4	23-250	481 lbs 218.2 kg	Dual GSh-23L 23mm gun pod.		

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
PTB 450	1, 2, 3, 4	243 lbs 110.2 kg	

PPK800 WEAPON PREPARATION				
	0	S-8KOM	6	NOT USED
	1	S-8TsM	7	FAB-250
	2	S-13	8	FAB-500
	3	NOT USED	9	KMGU-AO
	4	S-8M	10	KMGU-PTAB
	5	UPK-23-250		

AIRCRAFT QUICK REFERENCE



Mi-8MTV2 MAGNIFICENT EIGHT


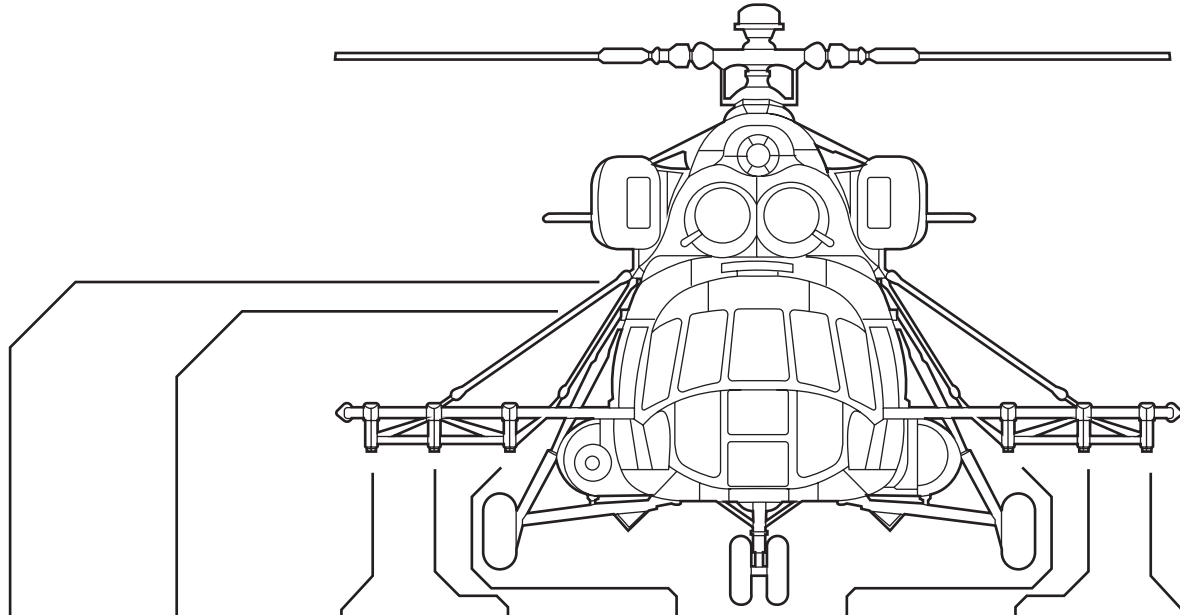


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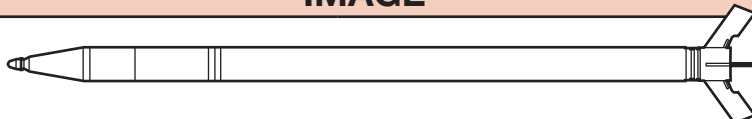
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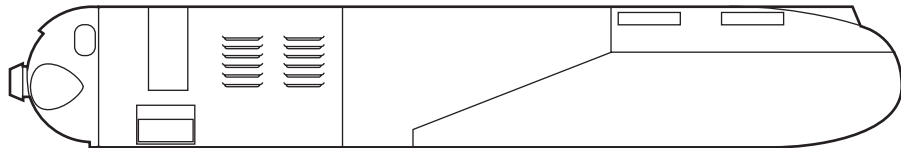
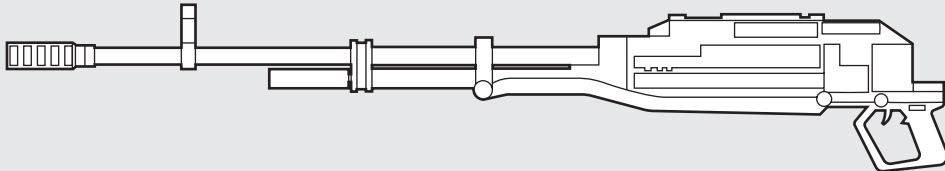
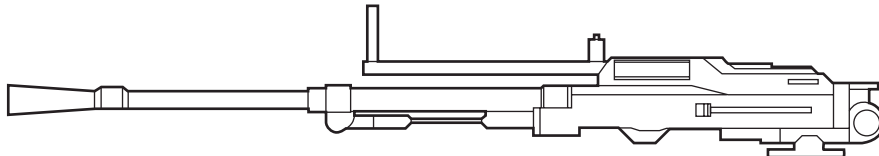
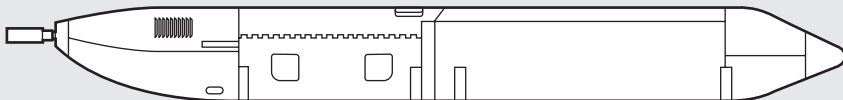
Mi-8MTV2 MAGNIFICENT EIGHT

WEIGHT	CLEAN	19,546 LBS	* CLEAN ** FULLY LOADED	WEAPONS 1 	
	MAX	28,660 LBS			
LIMITS	MAX ROTOR	101% for 20 sec			
	MAX TEMP	880 deg			
TAKE OFF	ROTOR	101%			
	TO HOVER	2 - 10 M			
	CLIMBING	120 KPH			
LANDING	TO HOVER	120 KPH -5 M/S			
	100m	60 KPH			
TOP SPEED		230 KPH			
MAX ALTITUDE		18,000 FT* 12,000 FT**			
MAX RANGE	COMBAT	260 NM			
	FERRY	520 NM			
MAX G		3G			
MAX BANK		65 DEG			
COUNTER MEASURES	CHAFF	0			
	FLARE	128			

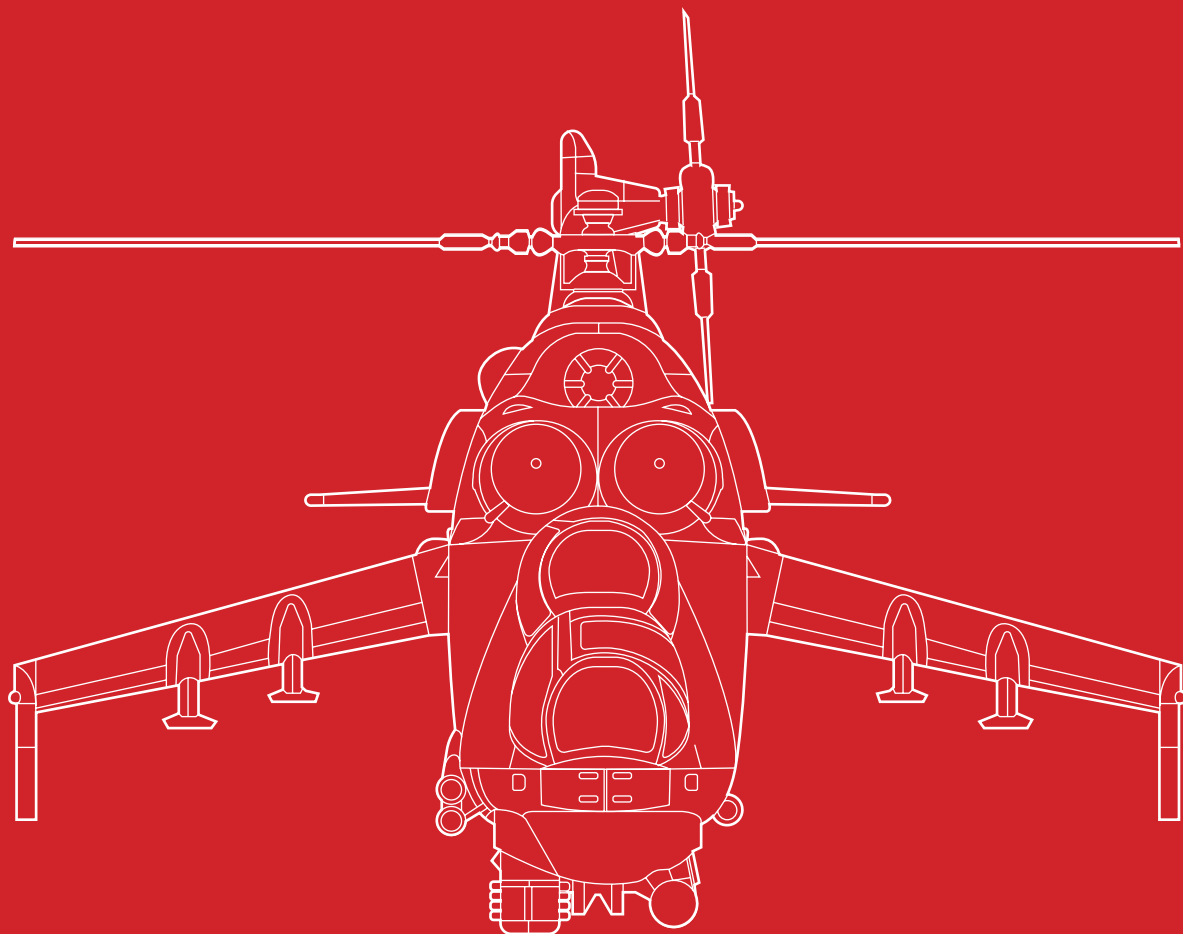
STATION			PKT	KORD	6	5	4	3	2	1
ROCKETS	S-8	KOM			●	●	●	●	●	●
		OFP2			●	●	●	●	●	●
		OM			●	●	●	●	●	●
		TsM			●	●	●	●	●	●
BOMBS	FAB	100			●	●	●	●	●	●
		250			●	●	●	●	●	●
		500 M62			●	●	●	●	●	●
	SAB	100			●	●	●	●	●	●
PODS	GUV	AP-30			●	●			●	●
		YakB GSHP				●			●	
	KORD			●						
	PKT		●							
	UPK	23-250				●			●	

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
S-8	3.2 in 80 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1, 2, 3, 4, 5, 6	KOM	HARD TARGET	B-8V20A	1-6	High explosive Anti-Tank warhead.
	OFP2	SOFT TARGET			Unarmored targets. Blast fragmentation.
	OM	TARGET MARKING			Illumination.
	TsM				Smoke.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4, 5, 6	100	SOFT TARGET	220.5 lbs 100 kg	1-6	Low-drag, high explosive.
	250	LIGHT STRUCTURE	551.2 lbs 250 kg		
	500 M62	MEDIUM STRUCTURE	1102.3 lbs 500 kg		

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
SAB	ILLUMI-NATION				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
1, 2, 3, 4, 5, 6	100	TARGET MARKING	220.5 lbs 100 kg	1-6	Illuminating targets.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
GUV	GUN				
STATION	VERSION	WEIGHT	INFO		
1, 2, 5, 6	AP-30	604 lbs 274 kg	30mm automatic grenade launcher		
2, 5	YakB GSHP	996 lbs 451.8 kg	2×7.62mm + 1×12.7mm machine gun pod.		
POD	TYPE	IMAGE			
KORD	GUN				
STATION	VERSION	WEIGHT	INFO		
KORD	25	209 lbs 94.8 kg	12.7mm gun emplacement.		
POD	TYPE	IMAGE			
PKT	GUN				
STATION	VERSION	WEIGHT	INFO		
PKT		198 lbs 89.8 kg	7.62mm gun emplacement.		
POD	TYPE	IMAGE			
UPK	GUN				
STATION	VERSION	WEIGHT	INFO		
2, 5	23-250	481 lbs 218.2 kg	Dual GSh-23L 23mm gun pod.		

AIRCRAFT QUICK REFERENCE



Mi-24P
HIND



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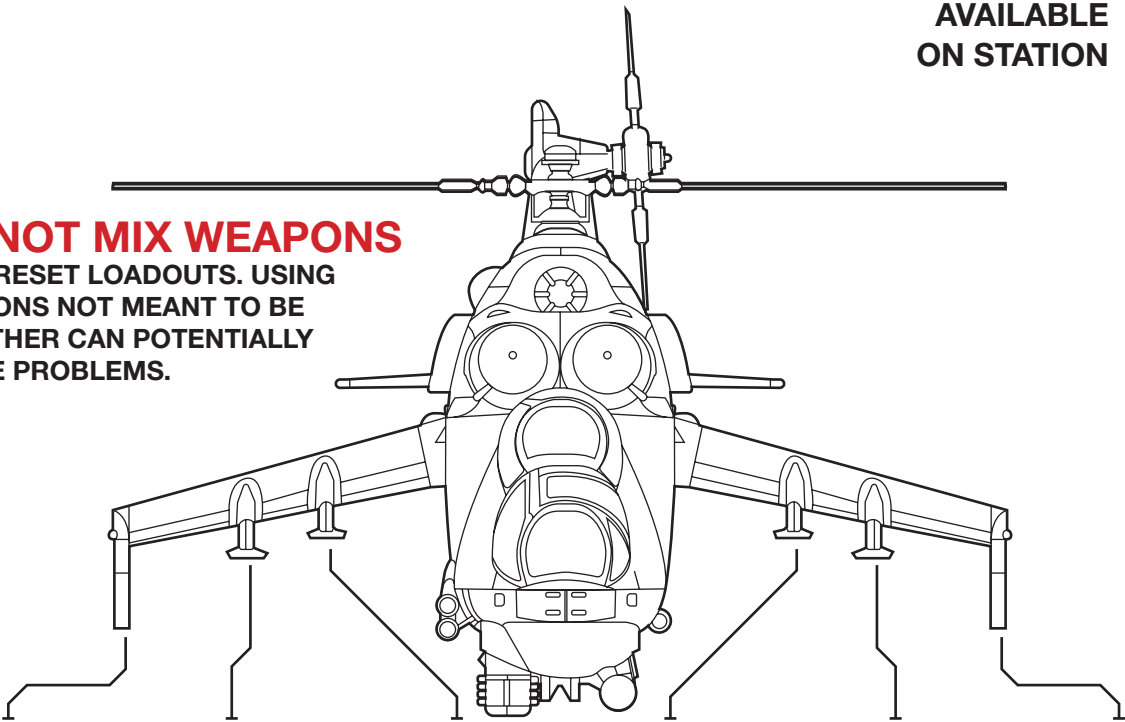
Mi-24P HIND

WEIGHT	CLEAN	19,601 LBS
	MAX	25,353 LBS
TAKE OFF	TAXI	20 KPH
	AIRBORNE	80 KPH
LANDING	GEAR	160 KPH
	TO HOVER	-5 M/S 120 KPH
TOP SPEED	GEAR UP	335 KPH
	CLIMB	140 KPH
MAX ALTITUDE		14,764 FT
MAX RANGE	COMBAT	100 NM
	FERRY	540 NM
MAX G		2G
MAX BANK		45 DEG
GUN	250 ROUNDS	
GUN RANGE	2000m MAX	
	800m MIN	
COUNTER MEASURES		C/F 192

WEAPONS AVAILABLE ON STATION | 1 ● 2 ●

DO NOT MIX WEAPONS

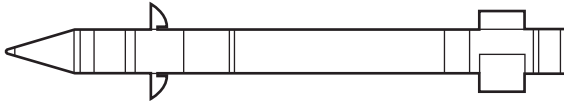
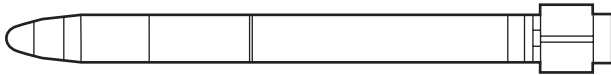
USE PRESET LOADOUTS. USING WEAPONS NOT MEANT TO BE TOGETHER CAN POTENTIALLY CAUSE PROBLEMS.

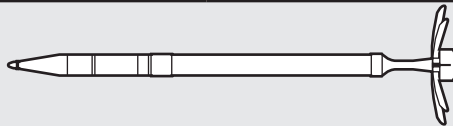
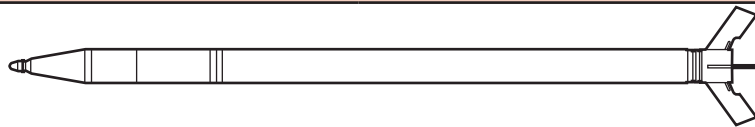




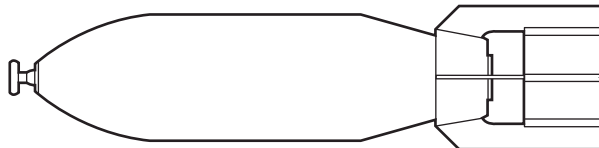
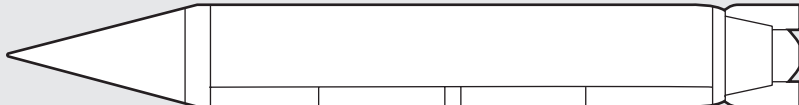
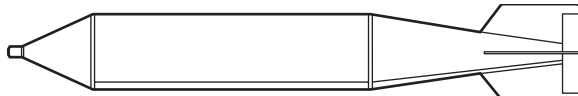
STATION			6	5	4	3	2	1
AIR TO AIR MISSILES	R-60	M		●			●	
AIR TO GROUND MISSILES	9M114		●	●			●	●
	9M120		●	●			●	●
		F	●	●			●	●
		O	●	●			●	●
ROCKETS	S-5	KO		●	●	●	●	
	S-8	KOM		●	●	●	●	
		OFP2		●	●	●	●	
		OM		●	●	●	●	
		TsM		●	●	●	●	
	S-13	OF		●	●	●	●	
	S-24	B		●	●	●	●	
BOMBS	FAB	100		●	●	●	●	
		250		●	●	●	●	
		500 M62			●	●		
	KMGU	AO-2.5RT			●	●		
		PTAB-2.5KO			●	●		
	RBK	250 PTAB-25K0		●	●	●	●	
		250 AO-1Sch		●	●	●	●	
		500 PTAB-1M			●	●		
		500 PTAB-10-5			●	●		
		500 OAB-2.5RT			●	●		
PODS	GUV	AP-30		●	●	●	●	
		YakB GSHP			●	●		
FUEL TANK		PTB 450		●	●	●	●	

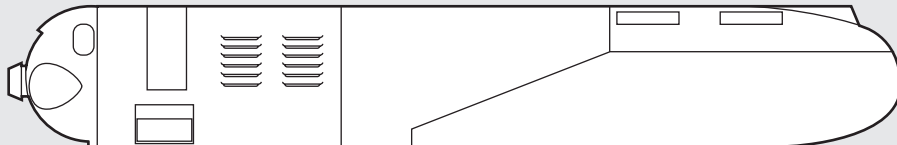
AIR TO AIR MISSILES


WEAPON	TYPE	IMAGE			NAME		RANGE
R-60	INFRARED				AA-8 APHID		SHORT
STATION	VERSION	MAX RNG	ASPECT	YEAR	QTY	INFO	
2, 5	M	1.6 nm 3 km	LIMITED ALL	1982	1-4	Up to 5G manoeuvres	

AIR TO GROUND MISSILES						
WEAPON	TYPE	IMAGE				NAME
9M114	RADIO GUIDED					SHTURM
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
1, 2, 5, 6		2.7 nm 5 km	ANTI-ARMOR	2, 4, 6, 8	1976	HEAT Charge, Armor penetrator.
WEAPON	TYPE	IMAGE				NAME
9M120	RADIO GUIDED					ATAKA
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
1, 2, 5, 6		3.2 nm 6 km	ANTI-ARMOR	2, 4, 6, 8	1980	HEAT Tandem warhead.
	F		SOFT TARGET			Thermobaric warhead.
	O	3.8 nm 7 km	ANTI-AIR			Proximity Fuse.

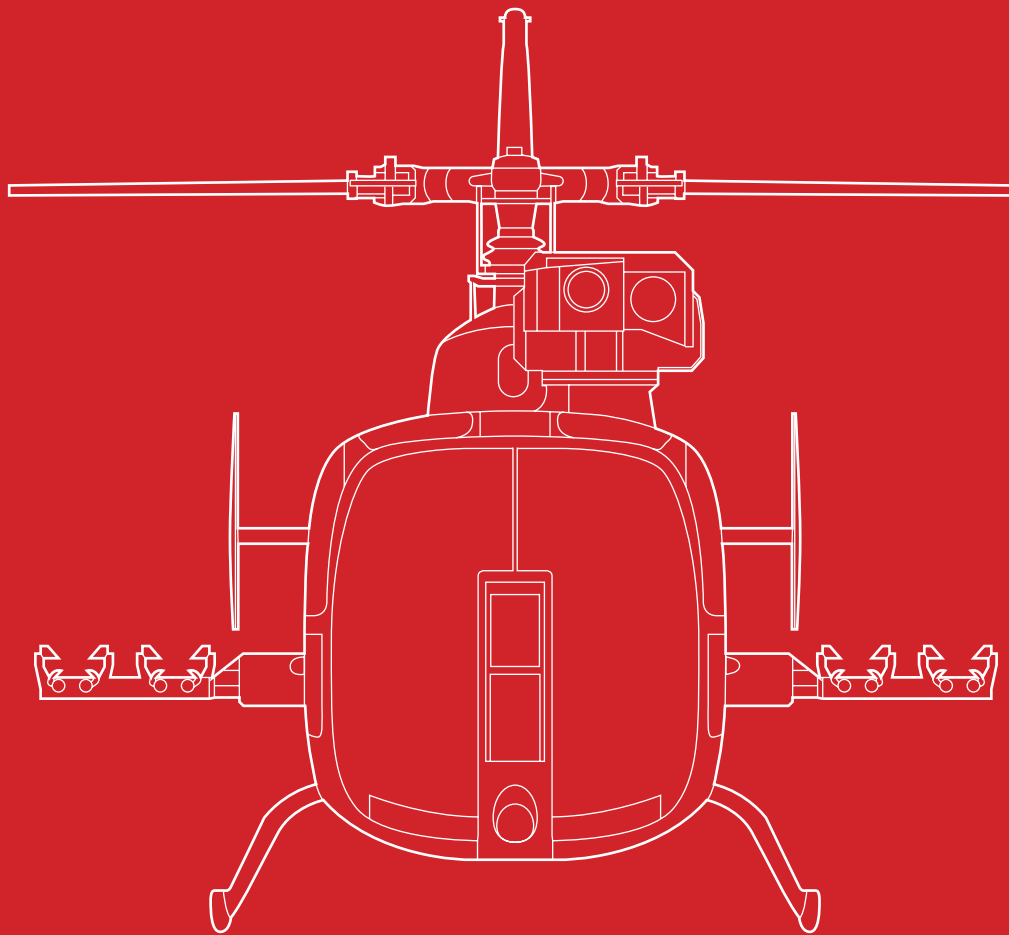
AIR TO GROUND - ROCKETS						
WEAPON	SIZE	IMAGE				
S-5	2.2 in 57 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 4, 5	M	SOFT TARGET	UB-32UM	32, 64, 96, 128	Unarmored targets. Blast fragmentation.	
WEAPON	SIZE	IMAGE				
S-8	3.2 in 80 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 4, 5	KOM	HARD TARGET	B-8V20A	20, 40, 60, 80	High explosive Anti-Tank warhead.	
	OFP2	SOFT TARGET			Unarmored targets. Blast fragmentation.	
	OM	TARGET MARKING			Illumination.	
	TsM				Smoke.	
WEAPON	SIZE	IMAGE				
S-13	4.8 in 122 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 4, 5	OF	SOFT TARGET	B-13L	5, 10, 15, 20	Unarmored targets. Blast fragmentation.	
WEAPON	SIZE	IMAGE				
S-24	9.4 in 240 mm					
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO	
2, 3, 4, 5	B	SOFT TARGET		1-4	Reduced smoke version of A.	

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
FAB	FREE FALL				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5	100	SOFT TARGET	220.5 lbs 100 kg	1-4	Low-drag, high explosive.
	250	LIGHT STRUCTURE	551.2 lbs 250 kg		
	500 M62	MEDIUM STRUCTURE	1102.3 lbs 500 kg		
WEAPON	TYPE	IMAGE			
KMGU	BOMB DISPENSER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5	A0-2.5RT	SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	1-4	Fragmentation.
	PTAB-2.5K0	MEDIUM TARGET			HEAT anti-tank.
WEAPON	TYPE	IMAGE			
RBK	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5	250 PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-4	High-drag.
	250 A0-1Sch	SOFT TARGET			
	500 PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank
	500 PTAB-10-5				
	500 OAB-2.5RT	SOFT TARGET			

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
GUV	GUN		
STATION	VERSION	WEIGHT	INFO
2, 3, 4, 5	AP-30	604 lbs 274 kg	30mm automatic grenade launcher.
3, 4	YakB GSHP	996 lbs 451.8 kg	2×7.62mm + 1×12.7mm machine gun pod.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
PTB 450	2, 3, 4, 5	243 lbs 110.2 kg	

AIRCRAFT QUICK REFERENCE



**SA342
GAZELLE**

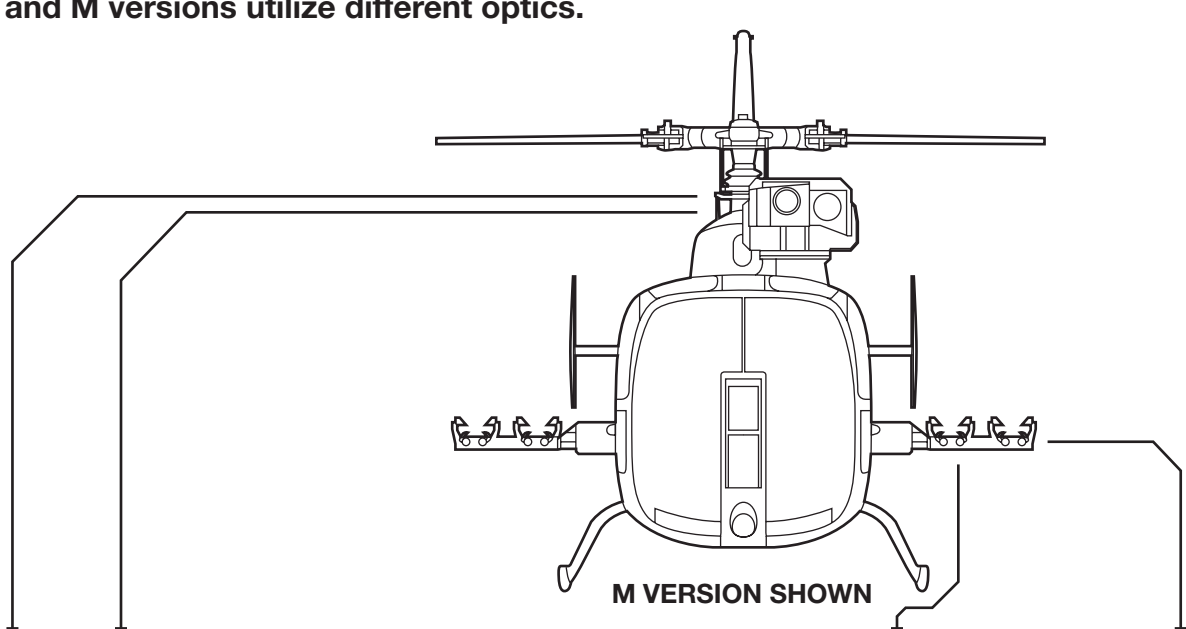


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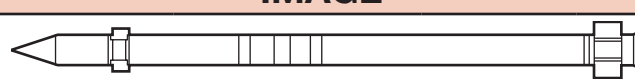
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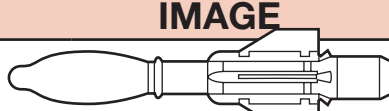
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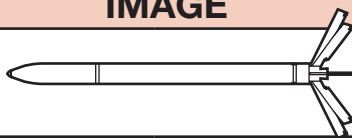
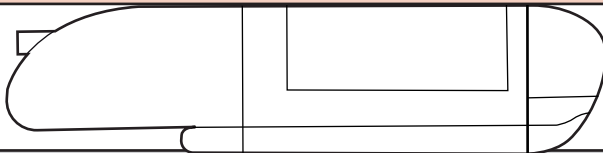
SA342 GAZELLE

WEIGHT	CLEAN	3,704 LBS	L version has access to most weapons. M version only has HOT3. Minigun has only window minigun. L and M versions utilize different optics.	WEAPONS AVAILABLE ON STATION	1	●				
	MAX	4,640 LBS			2	●				
TAKE OFF	TORQUE	100%		M VERSION SHOWN						
	CLIMB	120 KPH								
LANDING	TO HOVER	120 KPH								
		100 M/Min								
	50 M	70 KPH								
TOP SPEED	LAND	0 KPH								
	CRUISE	270 KPH								
	TOP	310 KPH								
MAX ALTITUDE		16,400 FT								
MAX RANGE	COMBAT	100 NM								
	FERRY	200 NM								
MAX G		3								
MAX BANK		45 DEG								
GUN	400 ROUNDS MAX									
COUNTER MEASURES	CHAFF	0								
	FLARE	32								

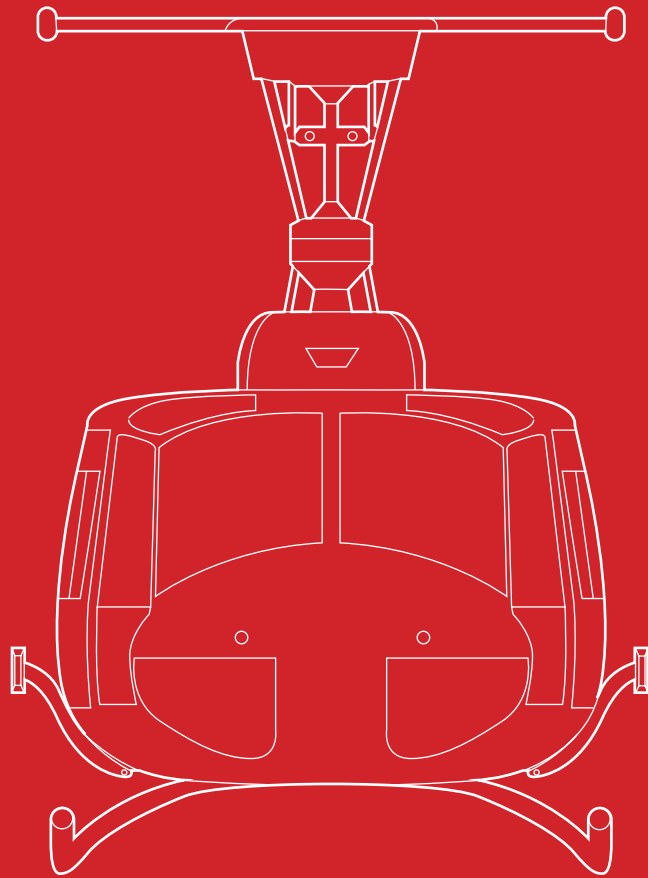
STATION			LSMK	RSMK	ANT	IR	FAS	2	1
AIR TO AIR MISSILES	MISTRAL							● ●	● ●
AIR TO GROUND MISSILES	HOT3							● ●	● ●
ROCKETS	SNEB							●	●
PODS	FN HMP400							●	●
	SMOKE GENERATOR		●	●					
	DIPOLE ANTANNA				●				
	IR DEFLECTOR					●			
	SAND FILTER						●		

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
MISTRAL	INFRARED						SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1-2		4 nm 7 km	ALL	1-4	1988	Laser proximity or impact triggered.	

AIR TO GROUND MISSILES							
WEAPON	TYPE	IMAGE				NAME	
HOT3	RADIO GUIDED					HOT	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
1-2		2.2 nm 4 km	ANTI-ARMOR	1-4	1977	High subsonic, optical, remote-guided, tube launched.	

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
SNEB	2.7 in 68 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
1-2	250	TARGET MARKING	BI-8	8, 16	Training smoke.
	251	SOFT TARGET			Lightly armored targets
	252	PRACTICE			Training.
	253	HARD TARGET			High explosive Anti-Tank warhead.
	254	TARGET MARKING			Available in green, red or yellow smoke.
	256	SOFT TARGET			High explosive fragmentation.
	257	HARD TARGET			High explosive fragmentation large warhead.
	259E	TARGET MARKING			Illumination.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
FN HMP400					
STATION	VERSION	WEIGHT	INFO		
1-2		300 lbs	100, 200 or 400 round options. Weight shown is for 400 rounds.		
POD	TYPE	IMAGE			
SMOKE GEN					
STATION	VERSION	WEIGHT	INFO		
LSMK RSMK		N/A	Smoke canisters of various colours.		
POD	TYPE	IMAGE			
DIPOLE ANTANNA					
STATION	VERSION	WEIGHT	INFO		
ANT		11 lbs	Visual antennas added. Cosmetic only.		
POD	TYPE	IMAGE			
IR DEFLECTOR					
STATION	VERSION	WEIGHT	INFO		
6		11 lbs	Infrared deflector on engine exhaust.		
POD	TYPE	IMAGE			
SAND FILTER					
STATION	VERSION	WEIGHT	INFO		
5	PYLON	33 lbs	Sand filter for engine intake.		

AIRCRAFT QUICK REFERENCE



**UH-1H
HUEY**



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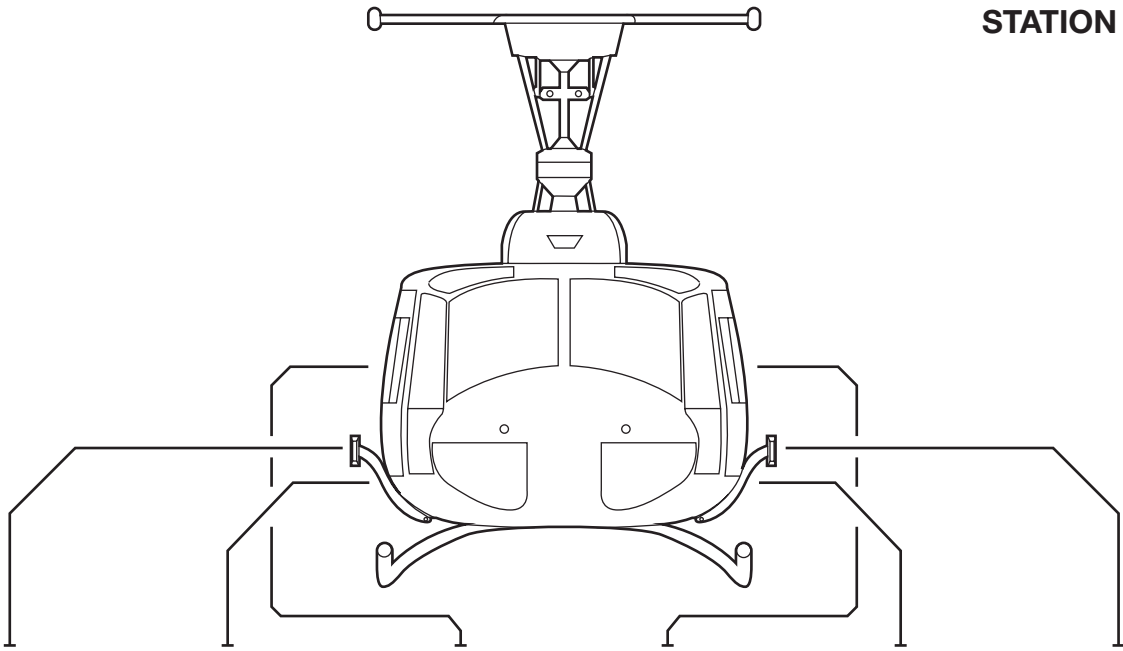
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UH-1H HUEY

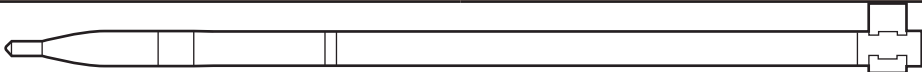
WEIGHT	CLEAN	6,356 LBS
	MAX	9,502 LBS
TAKE OFF	RPM	6,600
	CLIMB	60 KTS
LANDING	TO HOVER	80 KTS
	LAND	500 FT/M
TOP SPEED	CLIMB	30 KTS
	CRUISE	70 KTS
MAX ALTITUDE		90 KTS
MAX RANGE	COMBAT	14,200 FT
	FERRY	150 NM
MAX G		275 NM
MAX BANK		3
GUN	6400 ROUNDS M134	45 DEG
	CHAFF	0
COUNTER MEASURES	FLARE	60

WEAPONS AVAILABLE ON STATION 1 ●

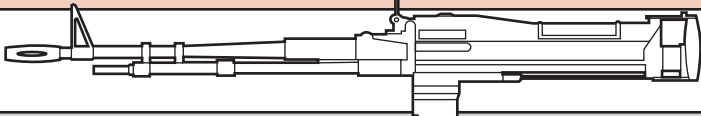
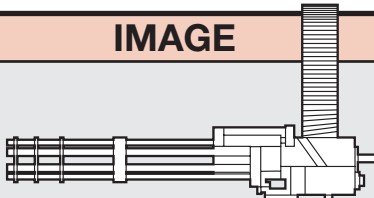


STATION			6	5	4	3	2	1
ROCKETS	HYDRA	M151		●			●	
		M156		●			●	
		M257		●			●	
		M274		●			●	
		MK1		●			●	
		MK5		●			●	
PODS	M60				●	●		
	M134	PYLON	●					●
		WINDOW			●	●		

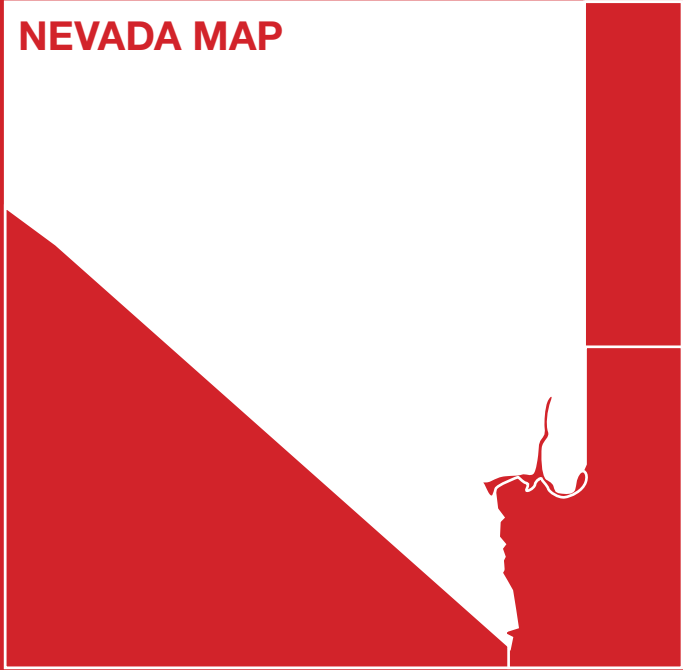
AIR TO GROUND - ROCKETS

WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 5	M151	SOFT TARGET	M261 / XM158	7, 14, 19, 38	High Explosive.
	M156	TARGET MARKING			White phosphorus.
	M257				Parachute illumination.
	M274				Parachute smoke.
	MK1	SOFT TARGET			Unarmored targets. Blast frag.
	MK5	HARD TARGET			High explosive AT warhead.

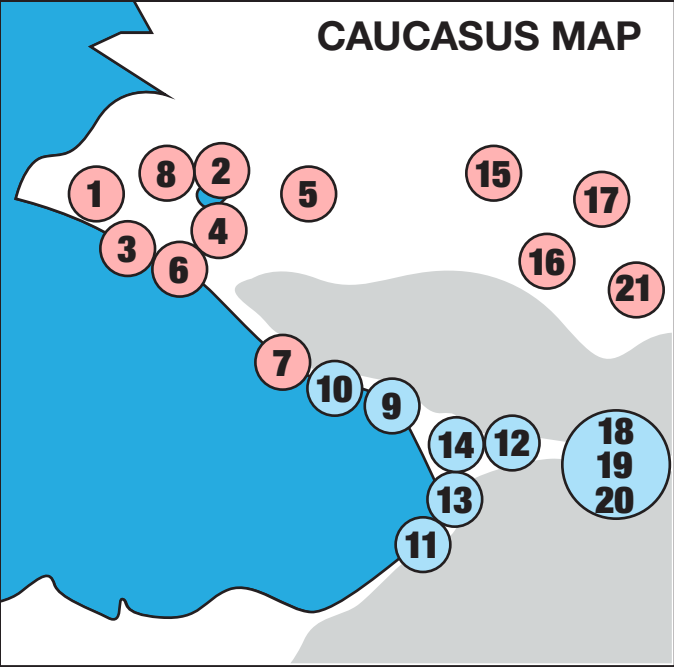
AIR TO GROUND - PODS

POD	TYPE	IMAGE	
M60	GUN		
STATION	VERSION	WEIGHT	INFO
3, 4		311 lbs 141.1 kg	7.62mm M60 machine gun emplacement.
POD	TYPE	IMAGE	
M134	GUN		
STATION	VERSION	WEIGHT	INFO
1, 6	PYLON	322 lbs 146 kg	7.62mm Minigun emplacement with 6,400 rounds.
3, 4	WINDOW	595 lbs 269.9 kg	









MAPS



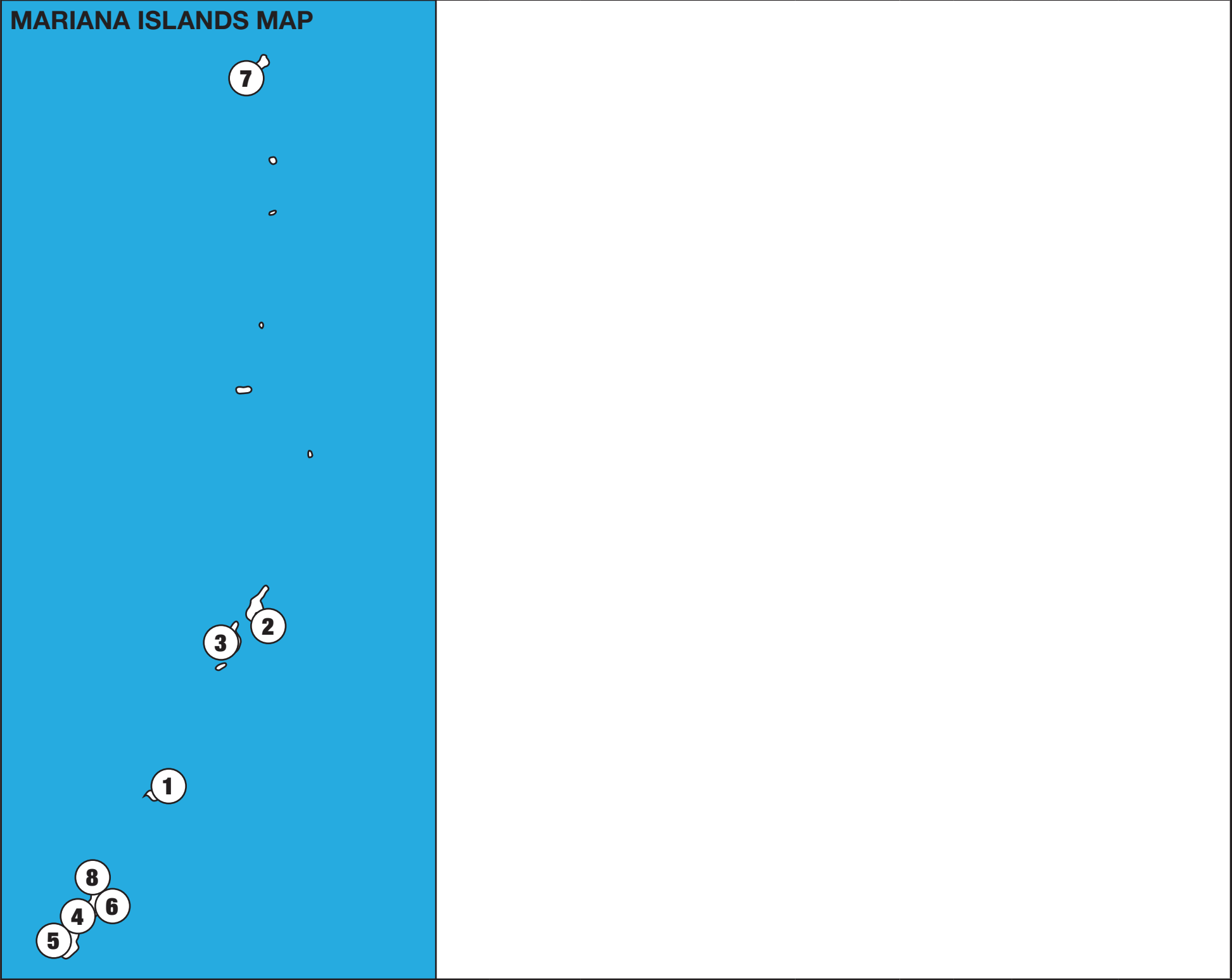
REDFOR		BLUFOR		CAUCASUS AIRFIELDS									
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
	1	ANAPA-VITYAZEVO	N45°00'18" E37°20'53"	141FT 43M	121.00 250.00	3.750 38.40			035° 215°	04 22			
	2	KRASNODAR-CENTER	N45°05'13" E38°56'25"	98FT 30M	122.00 251.00	3.800 38.60		40	081° 261°	09 27	38		
	3	NOVOROSIYSK	N44°40'05" E37°46'42"	131FT 40M	123.00 252.00	3.850 38.80			036° 212°	04 22	SHORT RUNWAY		
	4	KRYMSK	N44°58'04" E37°59'42"	66FT 21M	124.00 253.00	3.900 39.00	28		033° 220°	04 23	26 26		
	5	MAYKOP-KHANSKAYA	N44°40'52" E40°02'08"	591FT 180M	125.00 254.00	4.450 41.20	34		032° 212°	04 22	36		
	6	GELENDZHIK	N44°34'22" E38°00'42"	72FT 22M	126.00 255.00	4.000 39.40	1000	114.30	034° 214°	01 19	SHORT RUNWAY		
	7	SOCHI-ADLER	N43°26'39" E39°56'28"	98FT 30M	127.00 256.00	4.050 39.60			056° 236°	06 24	111.10		
	8	KRASODAR-PASHKOVSKY	N45°02'16" E39°11'18"	112FT 35M	128.00 257.00	4.100 39.80		115.80	040° 220°	05 23			
	9	SUKHUMI-BABUSHARA	N42°51'40" E41°07'31"	43FT 14M	129.00 258.00	4.150 40.00			111° 291°	12 30			
	10	GUDAUTA	N43°06'31" E40°34'11"	69FT 22M	130.00 259.00	4.200 40.20			145° 325°	15 33			
	11	BATUMI	N41°36'34" E41°36'01"	33FT 11M	131.00 260.00	4.250 40.40	16X 430		120° 300°	13 31	110.30		
	12	SENAKI-KOLKHI	N42°14'27" E42°02'53"	43FT 14M	132.00 261.00	4.300 40.60	31X		089° 269°	09 27	108.90		
	13	KOBULETI	N41°55'47" E41°51'48"	59FT 18M	133.00 262.00	4.350 40.80	67X		064° 244°	07 25	111.50		
	14	KUTAIISI	N42°10'39" E42°28'53"	148FT 46M	134.00 263.00	4.400 41.00	44X	113.60	068° 248°	07 25	109.75		
	15	MINERALNYE VODY	N44°13'40" E43°04'53"	1050FT 320M	135.00 264.00	4.450 41.20		117.10	109° 289°	12 30	111.70 109.30		
	16	NALCHIK	N43°30'51" E43°38'13"	1411FT 430M	136.00 265.00	4.500 41.40			049° 229°	06 24	110.50		
	17	MOZDOK	N43°47'30" E44°36'21"	509FT 156M	137.00 266.00	4.550 41.60	20		077° 257°	08 26	22 22		
	18	TBILISI-LOCHINI	N41°40'01" E44°57'23"	1575FT 480M	138.00 267.00	4.600 41.80	25X	113.70	122° 302°	13 31	110.30 108.90		
	19	SOGANLUG	N41°38'58" E44°56'18"	1500FT 458M	139.00 268.00	4.650 42.00	25X		126° 306°	14 32			
	20	VAZIANI	N41°37'44" E45°01'38"	1526FT 466M	140.00 269.00	4.700 42.20	22X		130° 310°	13 31	108.75 108.75		
	21	BESLAN	N43°12'20" E44°36'21"	1722FT 525M	141.00 270.00	4.750 42.40			086° 266°	10 28	110.50		



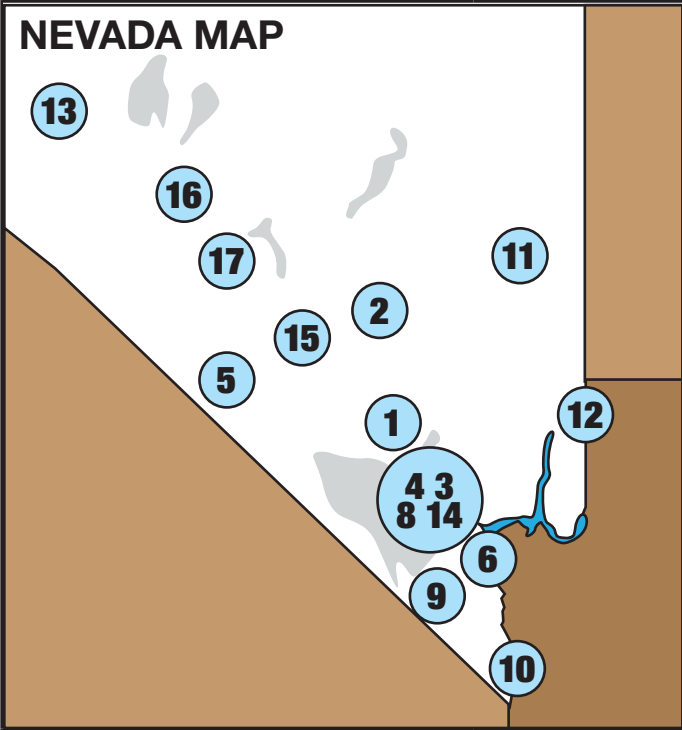
VOR beacons on Caucasus do not have DME.

MARIANA ISLAND AIRFIELDS													
ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC	
1	ROTA	N14°10'27" E145°14'27"	569FT 173M	123.60 250.00	3.750 38.40	332		093°	09		↔		
								273°	27				
2	SAIPAN	N15°07'08" E145°43'44"	213FT 65M	125.70 256.90	3.775 38.45	312		069°	06		↔↗		
								249°	24				
								069°	07	109.90			
								249°	25				
3	TINIAN	N14°59'57" E145°37'09"	284FT 87M	123.65 250.05	3.800 38.50			080°	08		↔		
								260°	26				
4	ANTONIO B. WON PAT	N13°29'05" E144°47'49"	255FT 86M	118.10 340.20	3.825 38.55	105X 385	115.80	066°	06L	110.30	↕↔		
								246°	24R				
								066°	06R	110.90			
								246°	24L				
5	OLF OROTE	N13°26'17" E144°38'32"	94FT 29M	CLOSED, LANDABLE HELI / STOL				067°	XX	SHORT RUNWAY	↗		
								247°	XX				
6	ANDERSON AFB	N13°34'54" E144°55'51"	606FT 185M	126.20 250.10	3.850 38.60	54X		067°	06L	109.30	↕↔		
								247°	24R	109.35			
								067°	06R	110.10			
								247°	24L	110.15			
7	PAGAN	N18°07'23" E145°45'45"	49FT 15M	GRASS AIRSTRIP HELI / STOL				056°	XX	SHORT RUNWAY	↗		
								236°	XX				
8	NORTH WEST FIELD	N13°37'30" E144°51'29"	522FT 160M	CLOSED, LANDABLE				064°	XX		↔		
								244°	XX				

MARIANA ISLANDS MAP

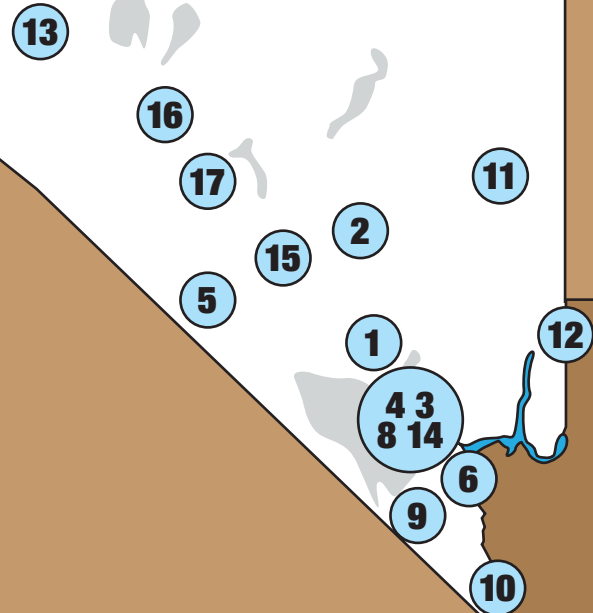




















NEVADA AIRFIELDS														
ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC		
1	CREECH AFB	N36°18'01" W115°40'35"	3127FT 954M	118.30 360.60	3.825 38.55	87X		081°	08	108.70				
								261°	26					
								135°	13	108.30				
								315°	31					
2	GROOM LAKE AFB	N37°14'00" W115°47'32"	4495FT 1370M	118.00 250.05	3.850 38.60	18X		146°	14L					
								326°	32R	109.30				
								146°	14R	CLOSED				
								326°	32L					
3	MCCARRAN INTL.	N36°04'35" W115°08'40"	2178FT 664M	119.90 257.80	3.875 38.65	116X	116.90	013°	01L					
								193°	19R					
								013°	01R					
								193°	19L					
								078°	07L					
								258°	25R	110.30				
								078°	07R					
								258°	25L	111.75				
4	NELLIS AFB	N36°14'06" W115°01'58"	1857FT 566M	132.55 327.00	3.900 38.70	12X		030°	03L					
		N36°14'.612" W115°01'.436"						210°	21R					
								030°	03R					
								210°	21L	109.10				
5	BEATTY	N36°51'39" W116°47'11"	3173FT 968M			94X	114.70	169°	16	SHORT RUNWAY				
								349°	34					
6	BOULDER CITY	N35°56'55" W114°51'42"	2205FT 672M			114X	116.70	088°	09	SHORT RUNWAY				
								268°	27					
								154°	15					
								334°	33					
7	ECHO BAY	N36°18'39" W114°27'50"	1549FT 473M					067°	06	SHORT RUNWAY				
								247°	24					
8	HENDERSON EXEC.	N35°58'20" W115°08'07"	2493FT 760M	125.10 250.10	3.925 38.75			169°	17L	SHORT RUNWAY				
								349°	35R					
								169°	17R					
								349°	35L					
9	JEAN	N35°46'09" W115°19'465"	2825FT 861M					020°	02L	SHORT RUNWAY				
								200°	20R					
								020°	02R					
								200°	20L					
10	LAUGHLIN, AZ	N35°09'21" W114°33'34"	673FT 206M	123.90 250.00	3.750 38.40			165°	16					
								345°	34					
11	LINCOLN COUNTY	N37°47'14" W114°25'11"	4816FT 1468M					171°	17	SHORT RUNWAY				
								351°	35					

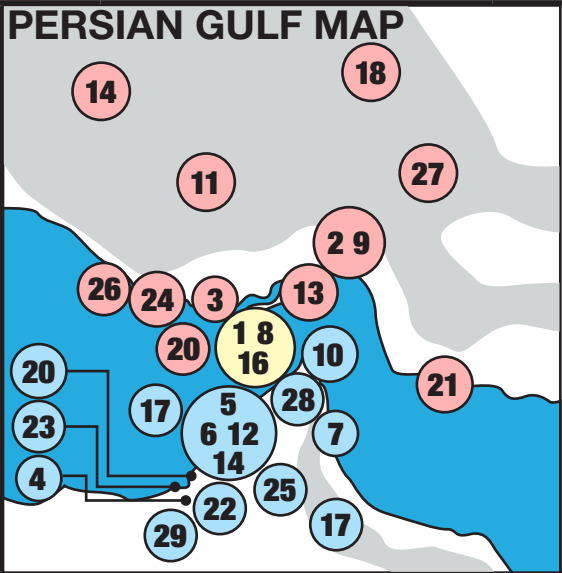


NEVADA AIRFIELDS												
ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
12	MESQUITE	N36°49'59" W115°08'40"	1857FT 566M					017° 197°	01 19	SHORT RUNWAY		
13	MINA	N38°22'47" W118°05'48"	4560FT 1390M					141° 321°	13 31	SHORT RUNWAY		
14	NORTH LAS VEGAS	N36°12'35" W115°11'47"	2228FT 679M	125.70 327.00	3.900 38.45			076° 256° 123° 123° 303°	07 25 12L 30R 12R 30L	SHORT RUNWAY 110.70 SHORT RUNWAY		
15	PAHUTE MESA	N36°06'07" W116°18'46"	5059FT 1542M					183° 003°	18 36	SHORT RUNWAY		
16	TONOPAH AIRPORT	N38°03'29" W117°05'22"	5390FT 1643M			119X	117.20	114° 294° 154° 334°	11 29 15 33	SHORT RUNWAY		
17	TONOPAH TEST RANGE	N37°47'55" W116°46'50"	5535FT 1687M	124.75 257.95	3.800 38.50	77X	113.00	146° 326°	14 32	108.30 111.70		

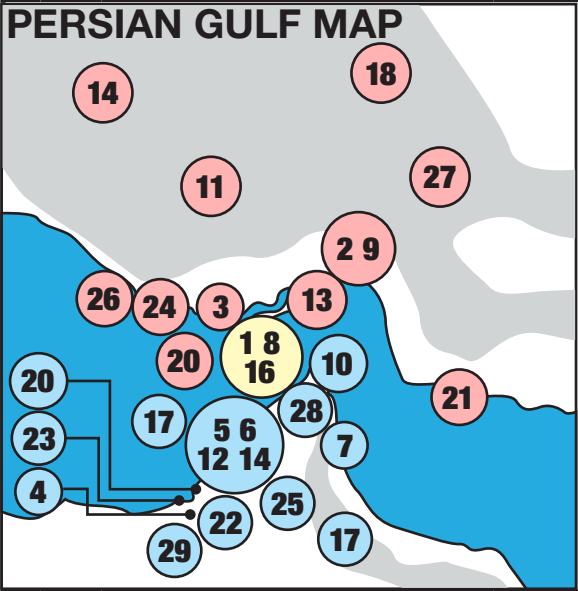
NEVADA MAP





















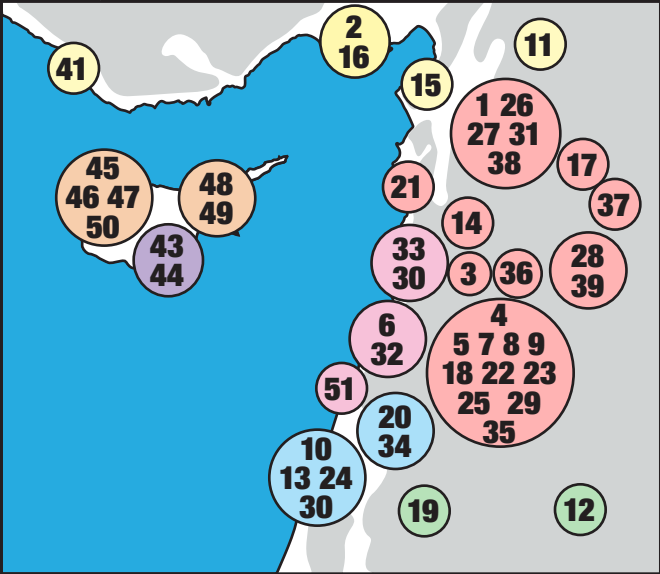
	REDFOR	BLUFOR	CONTESTED	PERSIAN GULF AIRFIELDS									
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
	1	ABU MUSA ISLAND	N25°52'33" E55°01'58"	16FT 5M	122.90 250.40	3.975 38.85			083° 263°	08 26		↔	
	2	BANDAR ABBAS	N27°13'03" E56°22'44"	20FT 6M	118.10 251.00	4.250 39.40	78X 250	117.20	027° 207°	03L 03R 21L 21R	110.10 109.50 110.90 111.30	↕↕	
	3	BANDAR LENGEH	N26°31'56" E54°49'28"	82FT 25M	121.70 251.05	4.275 39.45	408	114.80	079° 259°	08 26		↔	
	4	AL DHAFRA AFB	N24°14'53" E54°32'51"	52FT 16M	126.50 251.10	4.300 39.50	96X	114.90	127° 307°	13L 13R 31L 31R	111.10 108.70 109.10 108.70	↕↕	
	5	DUBAI	N25°15'22" E55°21'54"	16FT 5M	118.75 251.15	4.325 39.55			121° 301°	12L 12R 30L 30R	110.10 109.50 110.90 111.30	↕↕	
	6	AL MAKTOUM	N24°53'49" E55°09'36"	125FT 39M	118.60 250.10	3.800 38.50			121° 301°	12 30	111.75 109.75	↕	
	7	FUJAIRAH	N25°06'39" E56°19'38"	121FT 37M	124.60 251.25	4.375 39.65		113.80	112° 292°	11 29	 111.50	↕	
	8	TUNB ISLAND AFB	N26°15'31" E55°18'56"	43FT 14M					027° 207°	03 21	SHORT RUNWAY	↗	
	9	HAVADARYA	N27°09'29" E56°10'19"	52FT 16M	123.15 251.30	4.400 39.70	47X		078° 258°	08 26	108.90	↖	
	10	KHASAB	N26°10'11" E56°14'24"	102FT 31M	124.35 250.00	3.750 38.40			013° 193°	01 19	110.30	↙	
	11	LAR	N27°40'29" E54°22'59"	2635FT 804M	127.35 250.05	3.775 38.45	224	117.90	089° 269°	09 27		↔	
	12	AL MINHAD AFB	N25°01'36" E55°21'56"	190FT 58M	118.55 250.10	3.800 38.50	99X		89° 269°	09 27	110.70 110.75	↔	
	13	QESHM ISLAND	N26°45'16" E55°54'08"	26FT 8M	118.05 250.15	3.825 38.55	223	117.10	049° 229°	05 23		↖	
	14	SHARJAH	N25°19'50" E55°31'05"	98FT 30M	118.60 250.20	3.850 38.60			122° 302°	12L 12R 30L 30R	108.55 111.95	↕↕	
	15	SIRRI ISLAND	N25°54'34" E54°32'21"	20FT 6M	135.05 250.25	3.875 38.65	300	113.75	126° 306°	12 30	SHORT RUNWAY	↗	
	16	TUNB KOCHAK	N26°14'35" E55°08'44"	16FT 5M			89X		081° 261°	08 26	SHORT RUNWAY	↔	
	17	SIR ABU NUAYR	N25°13'00" E54°14'01"	26FT 8M	118.00 250.80	3.900 38.70			099° 279°	10 28	SHORT RUNWAY	↔	
	18	KERMAN	N30°16'23" E56°57'05"	5745FT 1751M	118.25 250.30	3.925 38.75	97X	112.00	157° 337°	16 34		↕	



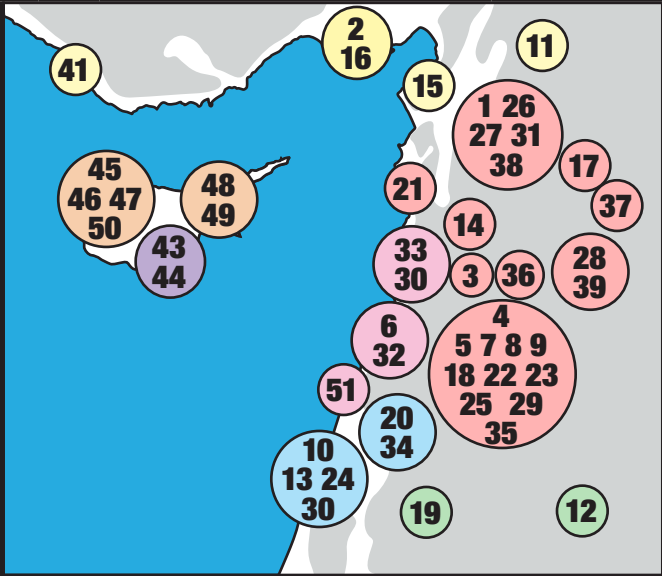
	REDFOR	BLUFOR	CONTESTED	PERSIAN GULF AIRFIELDS									
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
	19	SHIRAZ	N29°32'27" E52°35'27"	4879FT 1488M	121.90 250.35	3.950 38.80	94X 205	117.80	115°	11L	108.50		
									11R				
									295°	29L			
									29R				
	20	SAS AL NAKHEEL	N24°26'27" E54°31'01"	10FT 3M	128.90 250.45	4.000 38.90		128.925	161°	16	SHORT RUNWAY		
									341°	34			
	21	BANDAR-E-JASK	N25°39'16" E57°48'05"	26FT 8M	118.15 250.50	4.025 38.95	110X 349	116.30	061°	06			
									241°	24			
	22	ABU DHABI	N24°27'13" E54°39'15"	92FT 28M	119.20 250.55	4.050 39.00		114.25	128°	13L			
									13R				
308°									31L				
31R													
	23	AI-BATEEN	N24°25'41" E54°27'30"	13FT 4M	119.90 250.60	4.075 39.05		114.00	128°	13			
									308°	31			
	24	KISH	N26°31'41" E53°58'51"	115FT 35M	121.65 250.65	4.400 39.10	112X 201	117.40	095°	09L			
									09R				
									275°	27L			
									27R				
	25	AL AIN	N24°15'41" E55°36'33"	814FT 249M	119.85 250.70	4.125 39.15		112.60	007°	01			
									187°	19			
	26	LAVAN ISLAND	N26°48'39" E53°21'11"	75FT 23M	128.55 250.75	4.150 39.20	310	116.85	111°	11			
									291°	29			
	27	JIROFT	N28°43'24" E57°40'30"	2664FT 812M	136.00 250.85	4.175 39.25	276		127°	13			
									307°	31			
	28	RAS AL KHAIMAN	N25°36'48" E55°56'19"	72FT 22M	121.60 250.90	4.200 39.30		113.60	164°	16			
									344°	34			
	29	LIWA AFB	N23°39'02" E53°49'27"	400FT 122M	119.30 250.95	4.225 39.35	121X	117.40	131°	13			
									311°	31			



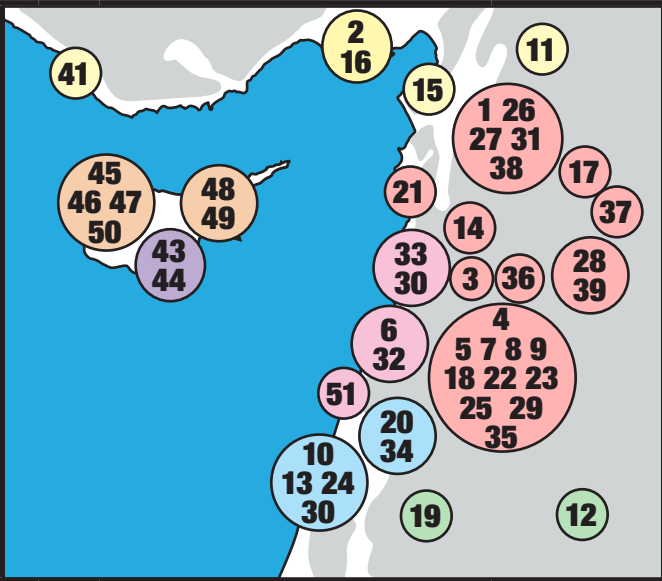
SYRIA AIRFIELDS			CYPRUS	ISRAEL	JORDAN	LEBANON	SYRIA	TURKEY	UK				
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS	HDG	LOC
	1	ABU AL-DUHUR	N35°43'56" E37°06'15"	820FT 250M	122.20 250.45	4.000 38.90			089°	09		↔	
									269°	27			
	2	ADANA SAKIRPASA	N36°58'55" E35°16'49"	56FT 17M	121.10 251.00	4.275 39.45	395	112.70	051°	05	108.70	↖	
									231°	23			
	3	AL QUSAYR	N34°34'09" E36°34'18"	1729FT 527M	119.20 251.55	4.550 40.00			098°	10		↔	
									278°	28			
	4	AN NASIRIYAH	N33°55'07" E35°51'57"	2750FT 839M	122.30 252.00	4.775 40.45			041°	04		↖	
									221°	22			
	5	THA'L AH	N32°42'14" E35°24'49"	2414FT 736M	122.40 252.20	4.875 40.65			054°	05		↖	
									234°	23			
	6	BEIRUT RAFIC HARIRI	N33°49'40" E35°29'15"	39FT 12M	118.90 252.25	4.900 40.70	351	112.60	030°	03	110.70	↕	
									210°	21			
									164°	16	110.10		
									344°	34			
									175°	17	109.50		
									355°	35			
	7	DAMASCUS	N33°25'31" E36°31'06"	2008FT 612M	118.50 252.30	4.925 40.75	264, 342	116.00	046°	05L		↕	
									226°	23R	109.90		
									046°	05R	111.10		
									226°	23L			
	8	MARJ AS SULTAN SOUTH	N33°29'14" E36°28'31"	2007FT 612M	122.90 252.35	4.950 40.80			HELICOPTER BASE				
9	AI-DUMAYR	N33°36'35" E36°44'57"	2067FT 630M	123.40 250.00	3.750 38.40			062°	06		↖		
								242°	24				
	10	EYN SHEMER	N32°26'27" E35°00'27"	110FT 34M	124.35 250.00	3.750 38.40		112.40	096°	09	SHORT RUNWAY	↔	
								276°	28				
	11	GAZIANTEP	N36°56'52" E37°28'44"	2290FT 698M	120.10 250.05	3.775 38.45	432	116.70	101°	10	109.10	↔	
								281°	28				
	12	H4	N32°32'21" E38°11'42"	2257FT 688M	122.60 250.10	3.800 38.50			099°	10		↔	
								270°	28				
	13	HAIFA	N32°48'38" E35°02'36"	20FT 6M	127.80 250.15	3.825 38.55			158°	16	SHORT RUNWAY	↕	
								338°	34				
	14	HAMA	N37°07'05" E35°42'41"	984FT 300M	118.05 250.20	3.850 38.60			096°	09		↔	
								276°	27				
	15	HATAY	N36°21'44" E36°17'15"	253FT 78M	128.50 250.25	3.875 38.65	336	112.05	040°	04	108.90	↖	
									220°	22			
	16	INCIRLIK	N37°00'07" E35°25'34"	230FT 71M	122.10 360.10	3.900 38.70	21X		050°	05	109.30	↖	
									230°	23	111.70		
	17	JIRAH	N36°05'48" E37°56'10"	1173FT 358M	118.00 250.30	3.925 38.75			096°	10		↔	
									276°	28			
	18	KHALKHALAH	N33°03'48" E36°34'20"	2418FT 737M	122.50 250.35	3.950 38.80			072°	07		↖	
									252°	25			
147°									15				
327°									33				



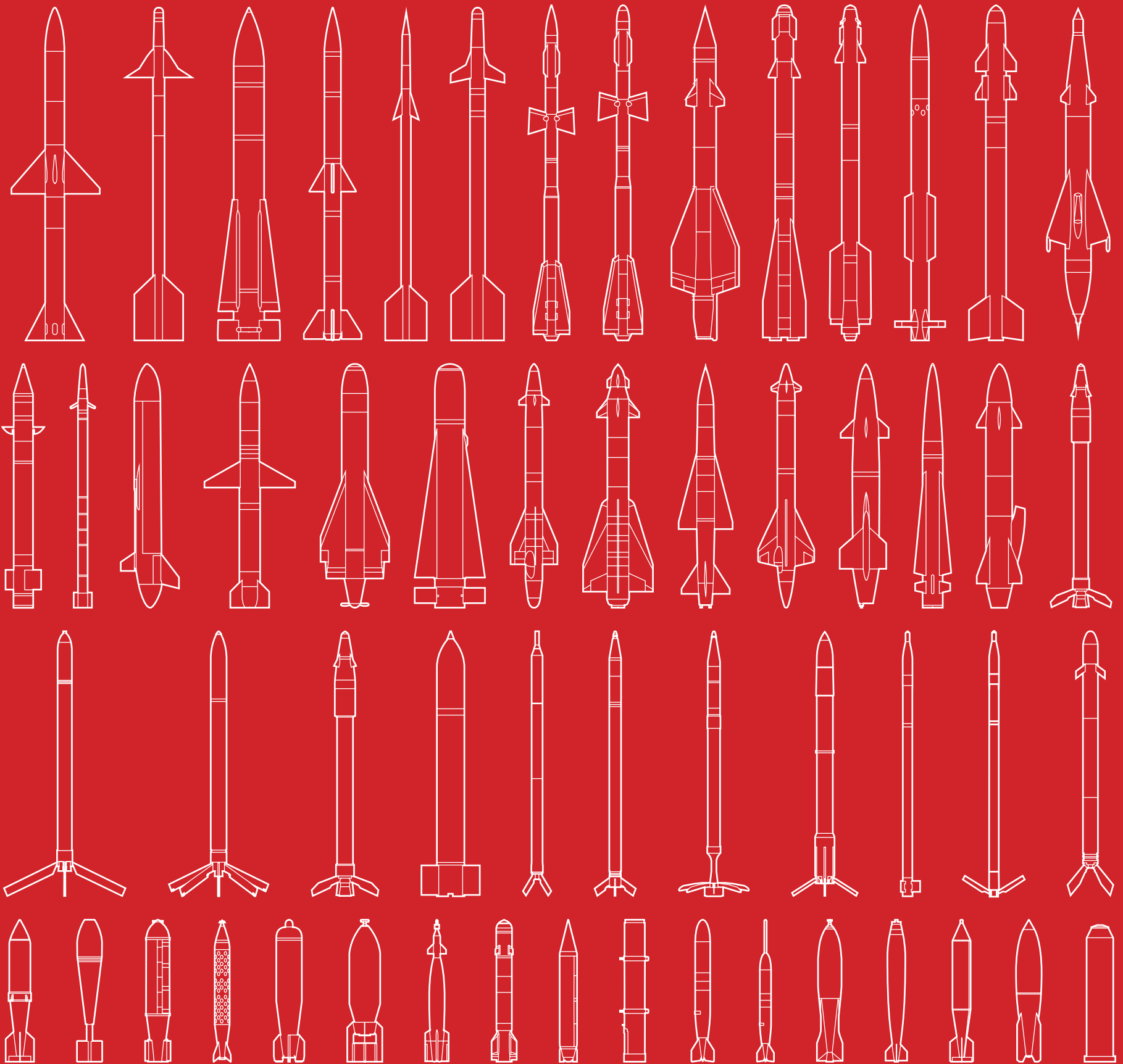
SYRIA AIRFIELDS			CYPRUS	ISRAEL	JORDAN	LEBANON	SYRIA	TURKEY	UK			
19	KING HUSSEIN A.C.	N32°21'23" E36°15'35"	2205FT 672M	118.30 250.40	3.975 38.80			128°	13			
								308°	31			
20	KIRYAT SHMONA	N33°12'57" E35°55'45"	360FT 110M	118.40 250.50	4.025 38.95			034°	03	SHORT RUNWAY		
								214°	21			
21	BASSEL AL-ASSAD	N35°24'02" E35°56'54"	92FT 28M	118.10 252.00	4.050 39.00	414	114.80	174°	17L	109.10		
								354°	35R			
								174°	17R			
								354°	35L			
22	MARJ AS SULTAN NORTH	N33°30'00" E36°28'01"	2008FT 612M	122.70 250.60	4.075 39.05			HELICOPTER BASE				
23	MARJ RUHAYYIL	N33°17'20" E36°27'22"	2161FT 659M	120.80 250.65	4.100 39.10			059°	06			
								239°	24			
24	MEGIDDO	N32°35'49" E35°13'48"	180FT 55M	119.90 250.70	4.125 39.15			089°	09			
								269°	27			
25	MEZZEH	N33°28'40" E36°13'27"	2387FT 728M	120.70 250.75	4.150 39.20	358		057°	06			
								237°	24			
26	MINAKH	N36°31'16" E37°02'29"	1614FT 492M	120.60 250.80	4.175 39.25			097°	10	SHORT RUNWAY		
								277°	28			
27	ALEPPO	N36°10'50" E37°13'28"	1254FT 383M	119.10 250.85	4.200 39.30	358	114.50	093°	09			
								273°	27			
28	PALMYRA	N34°33'26" E38°19'00"	1325FT 404M	121.90 250.90	4.225 39.35	337		080°	08			
								260°	26			
29	QABR AS SITT	N33°27'31" E36°21'27"	2135FT 651M	122.60 250.95	4.250 39.40			HELICOPTER BASE				
30	RAMAT DAVID	N32°39'58" E35°10'37"	146FT 45M	118.90 250.95	4.300 39.50	84X 368	113.70	085°	09			
								265°	27			
								107°	11			
								287°	29			
								143°	15			
323°	33	111.10										
31	KUWEIRES	N36°11'14" E37°34'54"	1201FT 366M	120.50 251.05	4.325 39.55			097°	10			
								277°	28			
32	RAYAK	N33°51'04" E35°59'11"	3035FT 925M	124.40 251.15	4.375 39.60			042°	04			
								222°	22			
33	RENE MOUAWAD	N34°35'21" E36°00'42"	23FT 7M	121.00 251.20	4.375 39.65	450		059°	06			
								239°	24			
34	ROSH PINA	N32°58'51" E35°34'18"	914FT 279M	118.45 251.25	4.400 39.70		115.30	050°	05	SHORT RUNWAY		
								230°	23			
								148°	15			
								328°	33			
35	SAYQAL	N33°40'47" E37°12'50"	2274FT 694M	120.40 251.30	4.425 39.75			057°	05			
								237°	23			
								087°	08			
								267°	26			



SYRIA AIRFIELDS				CYPRUS	ISRAEL	JORDAN	LEBANON	SYRIA		TURKEY	UK
36	SHAYRAT	N34°29'24" E36°54'27"	2638FT 804M	120.20 251.35	4.225 39.35			108°	11		
								288°	29		
37	TABQA	N35°45'16" E38°34'00"	1099FT 335M	118.50 251.40	4.475 39.85			088°	09		
								268°	27		
38	TAFTANAZ	N35°58'26" E36°46'53"	1020FT 311M	122.80 251.45	4.500 39.90			HELICOPTER BASE			
39	TIYAS	N34°31'21" E37°37'48"	1798FT 548M	120.350 251.50	4.525 39.95			086°	09		
								266°	27		
40	WUJAH AL HAJAR	N34°16'53" E35°40'58"	641FT 196M	121.50 251.60	4.575 40.05		116.20	025°	02	SHORT RUNWAY	
								205°	20		
41	GAZIPASA	N36°17'56" E32°17'54"	130FT 40M	119.25 251.65	4.600 40.10	316		081°	08	108.50	
								261°	26		
42	NICOSIA INTL.	N35°09'05" E33°16'33"	722FT 220M					144°	14	CLOSED	
								324°	32		
43	AKROTIRI	N34°35'24" E35°59'18"	69FT 21M	128.00 251.70	4.625 40.15	107X 365		107°	10	109.70	
								287°	28		
44	KINGSFIELD	N35°00'53" E33°43'01"	276FT 85M	121.00 251.75	4.650 40.20	343		060°	06	SHORT RUNWAY	
								240°	24		
45	PAPHOS	N34°43'05" E35°29'05"	40FT 13M	119.90 251.80	4.675 40.25	79X 328	117.90	110°	11	108.90	
								290°	29		
46	LARNACA	N35°52'25" E33°37'26"	16FT 5M	121.20 251.85	4.700 40.30	432	112.80	044°	04	110.30	
								224°	22		
47	LAKATAMIA	N35°06'17" E33°19'17"	758FT 231M	120.20 251.90	4.725 40.35			HELICOPTER BASE			
48	ERCAN	N35°09'17" E33°30'08"	312FT 95M	120.20 251.95	4.750 40.40		117.00	111°	11	108.30	
								291°	29		
49	GECITKALE	N35°14'09" E33°43'09"	148FT 46M	120.00 252.05	4.800 40.50	435	114.30	090°	09		
								270°	27		
50	PINARBASHI	N35°16'26" E33°16'05"	771FT 235M	121.00 252.10	4.825 40.55			HELICOPTER BASE			
51	NAQOURA	N33°06'28" E35°07'38"	381FT 117M	122.00 252.15	4.850 40.60			HELICOPTER BASE			



WEAPON GLOSSARY



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AIR TO AIR MISSILES - BY RANGE

		MAX RNG (nm)	A-10A	A-10C	A-10C II	A-4E	AJS37	AV-8B	C-101	F-4E	F-5E	F-14	F-15C	F-15E	F-16	F/A-18	F-86	J-11	JF-17	L-39	M-2K	MB-339	MIR F1	MiG-15	MiG-19	MiG-21	MiG-29	Su-25	Su-27	Su-33	AH-64	KA-50	Mi-8	Mi-24	SA343	UH-1H	
AIM-54	A MK60	145										●																									
AIM-54	C MK47	130										●																									
AIM-54	A MK47	120										●																									
AIM-120	C-5	60											●	●	●	●																					
AIM-120	B	40											●	●	●	●																					
SD-10		50																	●																		
AIM-7	F	38								●		●	●	●		●																					
AIM-7	M	38								●		●	●	●		●																					
AIM-7	MH	38										●	●	●		●																					
AIM-7	P	38										●				●																					
R-27 SA	ER	35																	●								●		●	●							
R-27 IR	ET	28																	●								●		●	●							
R-77		27																	●								●										
AIM-7	E	24								●			●																								
R-27 SA	R	23																	●								●		●	●							
AIM-9	X	20													●	●																					
SUPER 530	D	20																			●																
R-27 IR	T	18																	●								●		●	●							
R-73		16																	●								●	●	●	●							
R.530		10.8																					●														
AIM-9	J	10								●				●									●														
AIM-9	JULI	10																					●														
AIM-9	L	10	●	●	●			●		●		●	●	●	●	●																					
AIM-9	M	10	●	●	●			●	●	●	●	●	●	●	●	●																					
AIM-9	P, P3	10	●			●			●	●	●		●	●	●								●														
AIM-9	P5	10	●			●					●		●																								
PL-5	EII	10																		●																	
R-60	J	10					●																														
RB-74		10					●																														
SUPER 530	F	10																					●														
R-13	M1	9.2																								●											
R-13	M	8.1																								●											
R.550	1 & 2	8							●													●															
R-3R		4.5																								●											
R-60		4.5																								●											
R-60	M	4.5																		●						●	●	●									
MISTRAL		4																																		●	
R-3S		4																			●					●	●										
9M220	0	3.8																																●			
9M39		3.2																															●				
R-55		2.7																								●											
RS	2US	2.7																								●											
AIM-9	B	2.5				●					●						●																				
R-24		2.5					●																														

			AIR TO GROUND MISSILES - BY RANGE																																				
			<div><div>BLUFOR</div><div>REDFOR</div></div>																																				
			MAX RNG (nm)	A-10A	A-10C	A-10C II	A-4E	AJS37	AV-8B	C-101	F-4E	F-5E	F-14	F-15C	F-15E	F-16	F/A-18	F-86	J-11	JF-17	L-39	M-2K	MB-339	MIR F1	MIG-15	MIG-19	MIG-21	MIG-29	Su-25	Su-27	Su-33	AH-64	KA-50	MI-8	MI-24	SA343	UH-1H		
AGM-84	H	155															●																						
Kh-58	U	130																											●										
C-802	AK	97																			●																		
CM-802	AKG	97																			●																		
AGM-88	C	80															●	●																					
AGM-84	D	70																●																					
	E	70																●																					
AGM-154	A	70													●		●	●																					
	C	70																●																					
SEA EAGLE		70								●																													
LD	10	60																			●																		
LS-6	500	50																			●																		
GB-6		42																			●																		
	HE	42																			●																		
	SFW	42																			●																		
		42																			●																		
RB-15	F	37					●																																
AGM-62		30									●							●																					
RB-04	E	17						●																															
Kh-25	MPU	16																												●									
AGM-65	G	15	●	●	●												●																						
RB-75	A	11.9						●																															
	B	11.9						●																															
	T	11.9						●																															
AGM-12	A/B	10									●																												
Kh-25	MP	10																												●									
AGM-122		9								●																													
AGM-45	A	8.6				●					●																												
AGM-65	A/B	8									●																												
	D	8	●	●	●												●																						
	E	8							●									●																					
	F	8							●									●																					
C-701	IR	8																			●																		
	T	8																			●																		
ADM-141		6.5											●					●																					
AGR-20	M151	6			●				●																														
AGR-20	M282	6			●				●																														
Kh-25	ML	6																											●				●						
Kh-29	T	6																											●										
BK-90	MJ1	5.5						●																															
	MJ2	5.5						●																															
	MJ1+2	5.5						●																															
Kh-66		5.5																									●												
AGM-65	H	5	●	●	●												●																						
	K	5	●	●	●												●																						
	L	5			●				●																														
Kh-29	L	5																											●										
RB-05	E	5						●																										●					
AGM-114	K	4.3																																●					
	L	4.3																															●						
S-25	L	4																											●										
9M114		3.8																																		●			
9M120		3.2																																		●			
9M121		3.2																																●		●			
HOT3		2.2																																			●		

BLUFOR **REDFOR**

ROCKETS - ALPHABETICAL

		A-10A	A-10C	A-10C II	A-4E	AJS37	AV-8B	C-101	F-4E	F-5E	F-14	F-15C	F-15E	F-16	F/A-18	F-86	J-11	JF-17	L-39	M-2K	MB-339	MIR F1	MiG-15	MiG-19	MiG-21	MiG-29	Su-25	Su-27	Su-33	AH-64	KA-50	Mi-8	Mi-24	SA343	UH-1H		
ARF-8	API																				●																
	HEI																				●																
	TP-SM																				●																
BRM	1																	●																			
FFAR	M156				●	●			●																												
	M257				●	●																															
	M274				●																																
	MK1				●				●																												
	MK5				●	●			●																												
HVAR																●																					
HYDRA	M151	●	●	●			●	●		●				●	●						●										●				●		
	M156	●	●	●			●	●		●											●														●		
	M229																														●						
	M257	●	●	●	●		●	●		●																					●				●		
	M274	●	●	●			●	●		●																					●				●		
	M282																														●						
	MK1	●	●	●						●																											
	MK5	●	●	●			●			●					●	●			●																●		
	MK61	●	●	●						●					●																						
	WTU	●	●	●			●			●					●						●																
M/70B	AP					●																															
	HE					●																															
S-5	K0																		●								●								●		
	M																							●	●		●								●		
S-8	KOM																	●								●	●	●	●			●	●	●			
	OFP2																	●								●	●	●	●			●	●	●			
	OM																	●								●	●	●	●			●	●	●			
	TsM																	●								●	●	●	●			●	●	●			
S-13	OF																	●								●	●	●	●			●			●		
S-24	A																								●			●									
	B																								●	●	●								●		
S-25	OFM																	●									●	●	●								
MATRA/ SNEB	155																			●	●																
	250																					●															
	251																					●															
	252																					●															
	253																					●															
	254																					●															
	256																					●															
	257																					●															
	259E																					●															
UG																		●																			
ZUNI	MK71				●		●			●					●						●																



REDFOR

BOMBS - ALPHABETICAL

REDFOR		A-10A	A-10C	A-10C II	A-4E	AJS37	AV-8B	C-101	F-4E	F-5E	F-14	F-15C	F-15E	F-16	F/A-18	F-86	J-11	JF-17	L-39	M-2K	MB-339	MIR F1	MIG-15	MIG-19	MIG-21	MIG-29	Su-25	Su-27	Su-33	AH-64	KA-50	Mi-8	Mi-24	SA343	UH-1H		
AN	M30A1				•																																
	M57				•																																
	M64				•												•																				
	M65				•																																
	M66A2				•																																
	M81				•																																
	M88				•																																
BAP	100																			•	•																
BAT	120																				•																
BETAB	500																	•								•	•	•	•	•							
	500ShP																	•							•	•	•	•	•								
BDU	33	•	•	•			•	•	•	•	•			•																							
	45								•		•				•																						
	45B										•																										
	50HD	•	•	•					•	•			•																								
	50LD	•	•	•					•	•			•																								
	50LGB		•	•						•			•																								
BIN	200							•																													
BL755								•													•				•												
BLG	66							•												•		•															
BLU	107								•				•								•	•															
BR	250							•														•															
	500							•														•															
CBU	52B								•	•																											
	87CEM	•	•	•					•				•	•																							
	97SFW	•	•	•									•	•																							
	99						•								•																						
	100														•			•																			
	103		•	•											•				•																		
105		•	•											•																							
FAB	50																	•		•				•			•	•	•			•	•	•			
	100																	•		•				•		•	•	•	•			•	•	•			
	250																	•		•				•		•	•	•	•			•	•	•			
	250M54																	•		•				•		•	•	•	•			•	•	•			
	500M62																	•		•				•		•	•	•	•			•	•	•			
GBU	8/10		•	•					•		•		•	•	•			•				•															
	12		•	•			•		•	•	•		•	•	•			•		•		•															
	15/16						•		•		•				•			•		•																	
	24								•				•	•	•			•		•																	
	31(V)1		•	•									•	•	•																						
	31(V)2												•	•	•																						
	31(V)3		•	•									•	•	•																						
	31(V)4												•	•	•																						
	32(V)1						•						•	•	•																						
	38		•	•			•						•	•	•																						
54			•			•						•		•																							
54(V)1			•			•							•																								
KAB	500kr																										•										
KMGU	A0																	•								•	•	•	•			•	•	•			
	PTAB																	•								•	•	•	•			•	•	•			
LUU	2	•	•		•		•			•	•																										
M/71	LysB					•																															

BLUFOR **REDFOR**

PODS - ALPHABETICAL

[illegible]

FIXED WING AIRCRAFT SPECIFICATIONS

ALPHABETICAL	A-10C II	A-4E	AJS37	AV-8B	C-101	F-4E	F-5E	F-14	F-15C	F-15E	F-16	F/A-18	F-86	JF-17	L-39	M-2K	MB-339	MIR F1	MiG-15	MiG-19	MiG-21	MiG-29	Su-25	Su-27	Su-33
TOP SPEED (KTS)	450	586	729	585	533	1487	1086	1586	1667	1133	1367	1233	600	1067	410	1467	485	1400	581	786	1367	1323	512	1567	1447
MAX ALTITUDE (THOUSAND FT)	45	42	65	40	45	56	54	53	58	60	59	69	52	55	37	59	48	50	51	57	61	59	23	60	55
MAX G	7.4	8	7	7	7.5	8	7.3	7.5	9	9	9	9	7	8	7.5	9	8	7.2	8	7.5	5	9	5.2	9	8.5
MAX TURN RATE (KTS)	215	N/A	337	248	206	N/A	466	314	350	350	397	361	264	355	206	252	N/A	N/A	274	436	229	369	321	374	374

TOP SPEED	F-15C	F-14	Su-27	F-4E	M-2K	Su-33	MIR F1	F-16	MiG-21	MiG-29	F/A-18	F-15E	F-5E	JF-17	MiG-19	AJS37	F-86	A-4E	MiG-15	AV-8B	C-101	Su-25	MB-339	A-10C II	L-39
TOP SPEED (KTS)	1667	1586	1567	1487	1467	1447	1400	1367	1367	1323	1233	1133	1086	1067	786	729	600	586	581	585	533	512	485	450	410

MAX ALTITUDE	F/A-18	AJS37	MiG-21	Su-27	F-15E	F-16	MiG-29	M-2K	F-15	F-4E	MiG-19	JF-17	Su-33	F-5E	F-14	F-86	MiG-15	MIR F1	MB-339	A-10C II	C-101	A-4E	AV-8B	L-39	Su-25
MAX ALTITUDE (THOUSAND FT)	69	65	61	60	60	59	59	59	58	56	57	55	55	54	53	52	51	50	48	45	45	42	40	37	23

MAX G	F-15C	F-15E	F-16	F/A-18	M-2K	MiG-29	Su-27	Su-33	A-4E	F-4E	JF-17	MiG-15	MB-339	C-101	F-14	L-39	MiG-19	A-10C II	F-5E	MIR F1	AJS37	AV-8B	F-86	Su-25	MiG-21
MAX G	9	9	9	9	9	9	9	8.5	8		8	8	8	7.5	7.5	7.5	7.5	7.4	7.3	7.2	7	7	7	5.2	5

MAX TURN RATE	F-5E	MiG-19	F-16	Su-27	Su-33	MiG-29	F/A-18	JF-17	F-15C	F-15E	AJS37	Su-25	F-14	MiG-15	F-86	M-2K	AV-8B	MiG-21	A-10C II	C-101	L-39	A-4E	F-4E	MIR F1	MB-339
MAX TURN RATE (KTS)	466	436	397	374	374	369	361	355	350	350	337	321	314	274	264	252	248	229	215	206	206	N/A	N/A	N/A	N/A

ROTOR AIRCRAFT SPECIFICATIONS

ALPHABETICAL	AH-64	KA-50	Mi-8	Mi-24	SA343	UH-1H
TOP SPEED (KPH)	158	300	230	335	310	90
MAX ALTITUDE (THOUSAND FT)	20	18	18	14	16	14

TOP SPEED	Mi-24	SA343	KA-50	Mi-8	AH-64	UH-1H
TOP SPEED (KPH)	335	310	300	230	158	90

MAX ALTITUDE	AH-64	KA-50	Mi-8	SA343	Mi-24	UH-1H
MAX ALTITUDE (THOUSAND FT)	20	18	18	16	14	14