

```
delete map LinkToDistrict for TUniteDescriptor
DBName0      Descriptor_Company_PstOhj_94
DBName1      Descriptor_Company_Dorban_LR
DBName2      Descriptor_Company_Maglan
```

海军卡数

TShowRoomDeckRoomManager

WeaponType	WeaponName	新武器名	WeaponHash	武器Hash值	WeaponGuid	原版GUID	WeaponID	WeaponHash
MMG	DShK	DShK: 100 rds	558B3BC820000000		00000000000000000000000000000000	HMG	0.75	
MMG	NSVT	NSVT: 100 rds	1ED861C820000000		00000000000000000000000000000000	HMG	0.75	
MMG	M2 Browning	M2 Browning: 100 rds	8C345CC820000000		00000000000000000000000000000000	HMG	0.75	
MMG	T54	T54: 100 rds	D125158607000000		00000000000000000000000000000000	HMG	0.75	
MMG	NSV	NSV: 100 rds	6087218300000000		00000000000000000000000000000000	HMG	0.75	
MMG	Quad M2 Bro	Quad M2 Browning: 100 rds	C33508A9A96F0000		00000000000000000000000000000000	HMG	0.75	
MMG	Dual M2 Bro	Dual M2 Browning: 100 rds	C33508B1A93B0000		00000000000000000000000000000000	HMG	0.75	
MMG	Gatling Gun	YAK-B[4x Barrel]	C82030B049010000		00000000000000000000000000000000	HE	1	
MMG	M2 Browning	M2 Browning: 100 rds	8C345CC820000000		00000000000000000000000000000000	HMG	0.75	
MMG	M2 Browning	M2 Browning	ECECCE3C7D33C305		00000000000000000000000000000000	Bullet	0.75	
MMG	AAT-52		83E12D0B32080000		00000000000000000000000000000000	HMG	0.75	

Sta Acc	Mov Acc	Caliber	SalvoLengt	SalvoLen	ShotSimu	ShotRelo	ShotRelo	SalvoRelo	Aim		Real ROF
0.1	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.15	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.15	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.15	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.15	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.1	0.05	12,7mm	40	400	1	0.2	0.05	8	1	151.899	
0.15	0.15	12,7mm	20	200	1	0.4	0.1	4	1	103.448	
0.2	0.1	12,7mm	20	200	1	0.4	0.2	2	1	125	
0.15	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.2	0.1	12,7mm	8	60	1	0.2	0.04	2	1	141.177	
0.15	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	
0.2	0.2	12,7mm	10	40	1	0.2	0.1	1	0.4	214.286	
0.2	0.2	12,7mm	10	40	1	0.4	0.1	1	0.4	130.435	
0.2	0.05	12,7mm	10	100	1	0.8	0.2	2	1	65.2174	

continuation from 机枪和航炮

UI ROF Ca Max Anti-	Max Anti-	新武器Hash值	对地射程	对直升机	对空射程(连发数
652.174	1050	875	1.5	1.4 移除		25
652.174	1050	875	1.5	1.4 移除		25
652.174	1050	875	1.5	1.4 移除		25
652.174	1050	875	1.5	1.4 移除		25
652.174	1050	875	1.5	1.4 移除		25
1518.99	1225	1225	1.7	1.5 移除		100
1034.48	1225	1225	1.5	1.4 移除		50
1250	1225	1225 BBB000000000102	1.7	1.5 [REDACTED]		50
652.174	1050	1050	1.5	1.4 移除		25
1058.82	1225	1225	1.7	1.7 [REDACTED]		15
652.174	1050	1050	1.5	1.4 移除		25
857.143	2100	1575				
521.739	2100	1575				
652.174	1050	875				

面板连发数	短装填	长装填	实际射速	面板爆发射速	面板射速
100	0.4	5	102.739726	600	410.9589041
100	0.32	5	118.29653	750	473.1861199
100	0.42	5	99.46949602	571.4285714	397.8779841
100	0.4	5	102.739726	600	410.9589041
100	0.32	5	118.29653	750	473.1861199
400	0.1	8	335.1955307	2400	1340.782123
200	0.21	5	196.206671	1142.857143	784.8266841
200	0.21	2	244.100895	1142.857143	976.4035801
100	0.32	2	154.9586777	750	619.8347107
60	0.05	2	333.3333333	4800	1333.333333
100	0.42	2	124.1721854	571.4285714	496.6887417
			#DIV/0!	#DIV/0!	#DIV/0!
			#DIV/0!	#DIV/0!	#DIV/0!
			#DIV/0!	#DIV/0!	#DIV/0!

真实射速	链接	短装填Fx	基础齐射数	齐射数	静止精度(%)
600		0.1			5
750		0.08			10
500-600		0.105			10
600		0.1			10
750		0.08			10
2340		0.025		2	5
1170		0.0525			10
1170		0.0525			10
		0.08			10
4x1000-1250	https://military	0.0125		4	10
		0.105			10
					10

UI格子优先级 武器类型 TypeArme 口径 口径 (XV)

重机枪

重机枪
重机枪

武器名	新武器名	(暂时不用) 武器	武器Hash值	新武器Hash值	备注
加特林炮 (全部炮, 7.62-12.7见“机枪和机炮”, 直接命中)	M168 Vulcan	RBB	C1201C576E460000		

CIWS(全部)

Sea Vulcan CIWS	B10E9A6A07000000	目力
Phalanx CIWS	FD6CC666AB010000	雷达
AK230 CIWS	0131540B00000000	雷达
AK630 CIWS	0171540B00000000	雷达
Type 69 CIWS	E1D42847ED7B0000	雷达
Kashtan CIWS	B399B7B859010000	雷达

7 ins, 7 name

四管自动炮 (全部)

74AE2F656AEA1B00		
AZP-23 Amur	RBB	C4A0910B00000000

20-35mm非雷达可对空双管自动炮,不可对空的部分!

20mm:

23mm:

ZU-23-2	RBB	03317CE407000000	3 ins
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30mm:

PLDvK vz. 53/59	RBB	84F1EF0000000000	4 ins
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20-27mm雷达双管自动炮: 不存在

不存在

30mm雷达双管自动炮

35mm雷达双管自动炮

Twin GDF-001	RBB	8B53DD6A06000000	9 ins
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5 ins TOT, same

37mm以上任何机炮武器（飞机航炮除外）：见“步

链接 原版武器类型 原版武器子类型 武器Hash值即唯一 原版对地射程(m) 原版对直升机射程

升机加特林，即瓦肯，见步战车机炮)

Y

Y

见“步战车机炮”（包括直升机）

Y

Y

• ROF and Range, differ by Acc 雷达

Y

原版对飞机射程(r 原版KE

原版静止精度(%) 原版移动精度(%) 原版连发数

原版面板连发数

原版短装填	原版长装填	N:1比例	连发数	面板连发数	短装填
		1	1100	1100	0.066666667
		1	300	300	0.02
		1	300	300	0.013333333
		1	300	300	0.033333333
		1	300	300	0.0125
		1	300	300	0.033333333
		1	300	300	0.006666667
		1	200	200	0.018181818
		1	100	100	0.033333333
		1	100	100	0.066666667
		1	680	680	0.05

|

长装填	实际射速	面板爆发射速	面板射速	真实射速	基础齐射数
15	<u>747.734139</u>		900	<u>747.734139</u>	
4	1803.607214		3000	1803.607214	
4	2253.75626		4500	2253.75626	4500
4	1288.782816		1800	1288.782816 1000X2	
6	1848.523748		4800	1848.523748	5000
4	1288.782816		1800	1288.782816	2000
6	2251.876564		9000	2251.876564	9000
5	1392.405063		3300	1392.405063	
10	451.1278195		1800	451.1278195	
5	517.2413793		900	517.2413793	
15	833.5035751		1200	833.5035751	

齐射数	短装填Fx	散布角	单发现实装药(kg)	现实装药(kg)
3	0.066	0.005 20mm		0.02
10	0.02	0.01		0.02
15	0.0133	0.01		0.02
6	0.0333	0.01 0.03 kg AlX2(X1.		0.045
16	0.0125	0.01		0.045
6	0.0333	0.01 0.039		0.045
30	0.0066	0.01		0.045
11		0.005 23mm		0.024
6	0.033	0.005 20mm		0.02
3	0.066	0.005 30mm		0.075
4		0.005 35mm		0.08

HE	HE半径	压制	压制半径	修正系数	对地射程(km)
1.0	22	51	45		
1.0	1	51	45		2.5
1.0	1	51	45		2.5
1.3	1	67	59		4
1.3	1	67	59		4
1.3	1	67	59		4
1.3	1	67	59		4
1.1	24	55	47		
1.0	22	51	45		
1.5	35	80	69		
1.6	35	82	71		

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最小对地射程(km) 对直升机射程(km) 对空射程(km)

原精度	5-9-» 1: *0.25 65-->25	
	静止精度(%)	移动精度(%)

2.5	1.4 35/35	2	2
2.5	2.2 30/30	2	2
3.3	2.5 20/20	1	1
4	3.5 30/30	2	2
3.3	2.5 30/30	2	2
4	3.5 45/45	2	2



60-55->20	50-40->15	35-25->10	20-10->5			
TypeArme	备注	瞄准时间	弹链补给量	初速度	火	

0.2	300
0.2	300
0.2	300
0.2	300
0.2	300
0.2	300

100



武器类型

UI格子优先级

武器管理器名

武器管理器Salvo 武器管理器Salvo

链接

小口径机炮

小口径机炮

小口径机炮

小口径机炮

小口径机炮

小口径机炮

<http://www.wars.com>

<https://military-life.com>

<http://mil.news.sina.com>

小口径机炮

SLANT RANGE 3

小口径机炮

小口径机炮

<https://en.military-life.com>

口径

20mm CIWS

20mm CIWS

30mm CIWS

30mm CIWS

30mm CIWS

30mm CIWS

.000

武器名	新武器名	(暂时不用) 武器	武器Hash值
20mm Autocannon:			
M693 F1		原版	
M693 F1		RBB射速	024428C705000
M693 F1			024428C705000
M693 F1			024428C705000
M-55		原版	
M-55		RBB射速	B21C0C8671010
M-55			B21C0C8671010
M-55			B21C0C8671010
HS.404		原版	
HS.404		RBB射速	4E175959B385D
HS.404			4E175959B385D
HS.404			4E175959B385D
Akan m/47D		原版	
Akan m/47D		RBB射速	0E525C0000000
Akan m/47D			0E525C0000000
Akan m/47D			0E525C0000000
Rh 202		原版	
Rh 202		RBB射速	C1D072C1505D0
Rh 202			C1D072C1505D0
HS.820		原版	
HS.820		RBB射速	C190741200000
HS.820			C190741200000
Oerlikon 20		原版	
Oerlikon 20	Oerlikon 20(RoF	RBB射速	C170AB1900000
Oerlikon 20			C170AB1900000
Oerlikon 20			C170AB1900000
GI-2		原版	
GI-2		RBB射速	D1523DD1068D
GI-2			D1523DD1068D
GI-2			D1523DD1068D

F2	原版
F2	03140C00000000

23mm Autocannon:	由于穿深，全体删除23mm KE弹(不
AZP-23	原版
AZP-23	RBB射速
AZP-23	B07957C4A0910
AZP-23	B07957C4A0910
AZP-23	B07957C4A0910

25mm Autocannon:	原版
Bushmaster	RBB射速
Bushmaster	M791: Bushmas†2DAE3343315C0
Bushmaster	M791: Bushmas†2DAE3343315C0
Bushmaster	M919: Bushmas†2DAE3343315C0
Bushmaster	M919: Bushmas†2DAE3343315C0
KBA 25	原版
KBA 25	RBB射速
KBA 25	OB530100000000
ZPT 90	原版
ZPT 90	RBB射速
ZPT 90	C6B0581A000000
ZPT 90	C6B0581A000000
ZPT 90	C6B0581A000000

25mm Naval Autocannon	
Dual Type 2M-3M	
Dual Type 2M-3M	17710D00000000
Dual Type 61	C6201C6AED7BC

30mm Autocannon	原版
2A42	RBB射速
2A42	013114CB000000
2A42	013114CB000000

2A42		013114CB00000
Bushmaster II	原版	
Bushmaster II	RBB射速	01D1E23A03000
Bushmaster II		01D1E23A03000
Bushmaster II		01D1E23A03000
2A72	原版	
2A72	RBB射速	03B20C00000000
2A72		03B20C00000000
2A72		03B20C00000000
M-86	原版	
M-86	M-86(RoF: 450r) RBB射速	B21C104772010
M-86		B21C104772010
M-86		B21C104772010
M-89	原版	
M-89	RBB射速	B21C104A72010
M-89		B21C104A72010
M-89		B21C104A72010
L21A1 RARDEN	原版	
L21A1 RARDEN	RBB射速	B39ADE2607000
L21A1 RARDEN		B39ADE2607000
VK-30	原版	
VK-30	RBB射速	01518100000000
VK-30		01518100000000
VK-30		01518100000000

dozens of air cannon after(speed=300000)

30mm Naval Autocannon

Dual Emerlec 30	原版	
Dual Emerlec 30	RBB	01A1CA0F00000

2A38M 原版

2A38M RBB C29510CB00000

35mm Autocannon

KDE 35	原版	
KDE 35	RBB	8F53010000000
KDE 35	RBB	8F53010000000

下面直升机机炮统一删除AP值

20mm Autocannon----		
GAI-CO1	原版	
GAI-CO1		E0C33013D58C1
GAI-CO1		E0C33013D58C1
GA-1	原版	
GA-1	RBB射速	D837921ED751A
GA-1		D837921ED751A
M621	原版	
M621	M621(RoF: 740r) RBB射速	C2705C0000000
M621		
M621		
20mm Gatling		
M197 Vulcan	原版	
M197 Vulcan		8822E46604000
M197 Vulcan		8822E46604000
20mm Twin Autocannon----		
Twin M621		
Twin M621		C1D0CFBE05000
Twin M621		C1D0CFBE05000
23mm Autocannon-----		
NS-23	原版	
NS-23		C4D06100000000
NS-23		C4D06100000000
23mm Twin Autocannon-----		
Gsh-23L		
Gsh-23L	Twin Gsh-23L	C4D0450000000
Gsh-23L		C4D0450000000
GSz-23		
GSz-23		C440761100000
GSz-23		C440761100000
23mm Z-9		
23mm Z-9	23-2	0A29CBC400000

23mm Z-9		0A29CBC40000C
30mm-----		
M230		
M230		01315C0000000
M230		01315C0000000
GIAT 30		
GIAT 30		01E12D5304000
GIAT 30		01E12D5304000
Twin M230		
Twin M230		01315CB3CB7B0
Twin M230		01315CB3CB7B0
Gsh-30k		
GSh-30k	Gsh-30-2K	5540485D04000
GSh-30k	Gsh-30-2K	5540485D04000

All Weapon with caliber

37mm Anyweapon (except tank main gun):

N37		0881010000000000	
PLA 37-2	原版		
PLA 37-2	RBB	4942461A42000	
T63	原版		
T63	RBB	C4E1210400000	
T63	RBB	C4E1210400000	
Dual Type 61	原版		
Dual Type 61	RBB	08211C6AED7B0	
Dual Type 76F	原版		
Dual Type 76F	Dual Type 76A	RBB	0871206AED7B0

40mm Anyweapon:

L70B	原版
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L70B	RBB	4C805800000000	
L70B	RBB	4C805800000000	
Bofors L/70	原版		
Bofors L/70	RBB	4171D32BCD000000	
Bofors L/70	RBB	4171D32BCD000000	
Twin Ivakan m/36	原版		
Twin Ivakan m/36	RBB	B3099BFB04000000	
M2A1	原版		
M2A1	M2A1 KE	RBB	C2325C00000000
M2A1	M2A1 HE	RBB	C2325C00000000
M2A1	M2A1 HE	RBB	C2325C00000000
Twin Ivakan m/48			
Twin Ivakan m/48	RBB	016255CB03020	
Bofor L/60	原版		
Bofor L/60	RBB	4750DCF44A330	
Dual Bofor L/56	原版		
Dual Bofor L/56	RBB	41B1D24C6CEAC	
DARDO CIWS			
DARDO CIWS	RBB	99C32D0E00000	

45mm-57mm Anyweapon(exclude rocket pod):

	原版	
COMVAT	RBB	DE025E5903000
COMVAT	45mm COMVAT RBB	DE025E5903000
	原版	
Rh-503	RBB	4460B41C00000
Rh-503	RBB	4460B41C00000
Dual Type 66	原版	
Dual Type 66	RBB	88711C6AED7B0
S-68A	原版	
S-68A	RBB	C9D1010000000
S-68A	RBB	C9D1010000000
T69	原版	
T69	RBB	CAE1210600000

35MM DISPERSION <2 mrad <https://www.nar>

原版GUID	备注	原版武器类型
B21C0C0000000000		
000		
00000000-0000-0000-0600-00003f060000	1 ins, 20/10 acc, 1575 2ap	动能弹
00000000-0000-0000-0600-000044070000	1 ins	
000		
00000000-0007-0000-0600-000031040000	1 ins, 30/15, 1575 2ap, 750r w	动能弹
00000000-0007-0000-0600-00003f040000	1 ins	
C02		
00000000-000b-0000-0600-000017040000	1 ins, 15/10 1575 2ap, SA K-C	动能弹
00000000-000b-0000-0600-000025040000	1 ins	
000		
00000000-0000-0000-0600-0000dd050000	1 ins, sweden name for Hispanc	动能弹
00000000-0000-0000-0600-0000ee060000	1 ins, 15/5, 1575 2ap, used by 2	
000		
00000000-0000-0000-0600-000044060000	1 ins, 20/10 acc, 1575 2ap	动能弹
00000000-0000-0000-0600-00004a070000	1 ins, 20/10 acc	
00000000-0000-0000-0600-000045060000	1 ins, 30/15 acc, 1575 2ap	动能弹
00000000-0000-0000-0600-00004b070000	1 ins, 30/15 acc	
000		
00000000-0000-0000-0600-000033060000	1 ins, 15/10 acc, on KPZ, MBT70	动能弹
00000000-0000-0000-0600-000040070000	1 ins, 15/10 acc	
00000000-0000-0000-0600-0000d9050000	1 ins, 15/5 acc	动能弹
00000000-0000-0000-0600-0000ea060000	1 ins, 15/5 acc	
Oerlikon 20 L65 UK NAVY/L70 US NAVY		
000		
00000000-0003-0000-0600-00000b040000	1 ins, 2 unit, Autocannon(AA, on Norway NM45)	
00000000-0000-0000-0600-0000a4070000	1 ins, 4 unit, Naval Autocannon, ON Type 21	
1806		
00000000-000b-0000-0600-000016040000	1 ins, 20/10 2ap 1575	动能弹
00000000-000b-0000-0600-000024040000	1 ins, M693 COPY	

000	same as M693, 1400/2100/1400
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行, 因为会导致高分重甲目标优先级高于低分轻甲目标)
0B00
00000000-0000-0000-0600-0000df050000 1 ins, 15/5 acc, 2ap 1575 动能弹
00000000-0000-0000-0600-0000f1060000 1 ins

000
00000000-0000-0000-0600-0000e6050000 1 ins, 50/25 acc, 1750 2 ap 动能弹
00000000-0000-0000-0600-0000f7060000 1 ins, 50/25 acc
00000000-0000-0000-0600-0000e7050000 1 ins, 60/30 acc, 1750 3 ap 动能弹
00000000-0000-0000-0600-0000f8060000 1 ins, 60/30 acc

000
00000000-0000-0000-0600-0000e4050000 1 ins, 30/10 acc, 1750 2ap 动能弹
00000000-0000-0000-0600-0000f5060000 1 ins
00000000-0000-0000-0600-0000e5050000 1 ins, 25/10 acc, 1750 2ap 动能弹
00000000-0000-0000-0600-0000f6060000 1 ins

000
00000000-0000-0000-0600-0000e8050000 1 ins, 25/10 acc, 1750 2ap 动能弹
00000000-0000-0000-0600-0000f9060000 1 ins

000	NO RADAR
000	1 INS, 1 DEPRE INS, NO RADAR

000
00000000-0000-0000-0600-0000f0050000 1 ins, 25/10 acc, 1575 2 ap 动能弹

00000000-0000-0000-0600-0000fc060000 1 ins, antihelo 2500-3000m
00000000-0000-0000-0600-0000f1050000 1 ins, 30/20 acc, 1750 2 ap 动能弹
00000000-0000-0000-0600-0000fd060000 1 ins
00000000-0000-0000-0600-0000ef050000 1 ins, 60/50 acc, 1575, 3 ap N 动能弹
00000000-0000-0000-0600-0000fb060000 1 ins

000
00000000-0003-0000-0600-0000fe030000 1 ins, 60/30 acc, 1750 4ap 动能弹
00000000-0003-0000-0600-000004040000 1 ins

000
00000000-0000-0000-0600-0000f2050000 1 ins, 40/30 acc, 1750 3ap 动能弹
00000000-0000-0000-0600-0000fe060000 1 ins, antihelo 4000m

000
00000000-0007-0000-0600-000032040000 1 ins, 30/20 acc, 1750 3ap 动能弹
00000000-0007-0000-0600-000040040000 1 ins

000
00000000-0007-0000-0600-000033040000 1 ins, 30/20 acc, 1750 4ap 动能弹
00000000-0007-0000-0600-000041040000 1 ins

000
00000000-0000-0000-0600-0000f5050000 1 ins, 35/5 acc, 1750 2ap 动能弹
00000000-0000-0000-0600-000002070000 1 ins
00000000-0000-0000-0600-0000f6050000 1 ins, 50/5 acc, 1750 3ap 动能弹
00000000-0000-0000-0600-000003070000 1 ins

000
00000000-0000-0000-0600-0000f9050000 1 ins, 25/10 acc, 1750 2ap 动能弹
00000000-0000-0000-0600-000006070000 1 ins

000 1 ins, 2 unit

000 1 ins 高炮

00000000-0000-0000-0600-0000fa050000	1 ins, 1925 3ap 50/30 acc	动能弹
00000000-0000-0000-0600-000009070000	1 ins	

00000000-000b-0000-0600-0000d040000	1 ins, 2ap 1575	动能弹
00000000-000b-0000-0600-000013040000	1 ins, by HELO K-CAR	

404		
00000000-000b-0000-0600-00001a040000	1 ins, 25/15 acc, 2ap 1575	动能弹
00000000-000b-0000-0600-00001c040000	1 ins, 25/15 acc, by HELO XH-1	
00000000-000b-0000-0600-00001b040000	1 ins, 40/30 acc, 2 ap 1575	动能弹
00000000-000b-0000-0600-00001d040000	1 ins, 40/30 acc, by HELO ROOIVALK	

000		
	1 ins, , by HELO PIRATE/GAZELL	动能弹
	2 ins, differ by fire, 2 depre ins, 15/5 acc 1575 2a	

000		
000		动能弹

)000	1 ins, 2 ap 1575	动能弹
)000	1 ins	
00000000-0000-0000-0600-0000e2050000	1 ins, 2ap, 1575	动能弹
00000000-0000-0000-0600-0000f4060000	1 ins, by 5 unit!	

00000000-0007-0000-0600-00002d040000	1 ins, 2ap, 1575	动能弹
00000000-0007-0000-0600-00003b040000	1 ins	

000	1 ins, 2ap, 1575	动能弹
000	1 ins	

)000	1 ins, 2ap, 1575	动能弹
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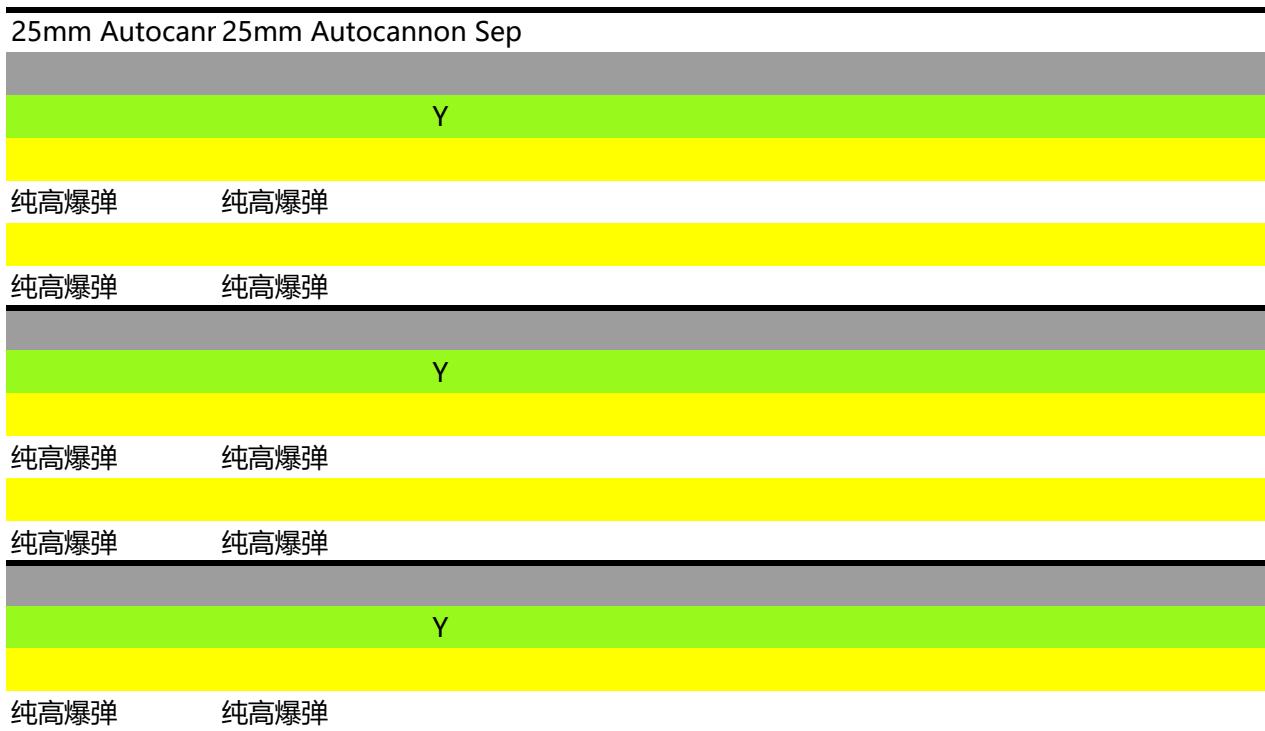
000	1 ins	
000	1 ins, Ah-64, Dispersion: 80%	动能弹
000	1 ins	
000	1 ins, Tiger, 60/50 acc, 1575 3:	动能弹
000	1 ins	
000	1 ins, 1575 2ap	动能弹
000	1 ins	
000	1 ins, 1575 2ap	动能弹
000	1 ins	

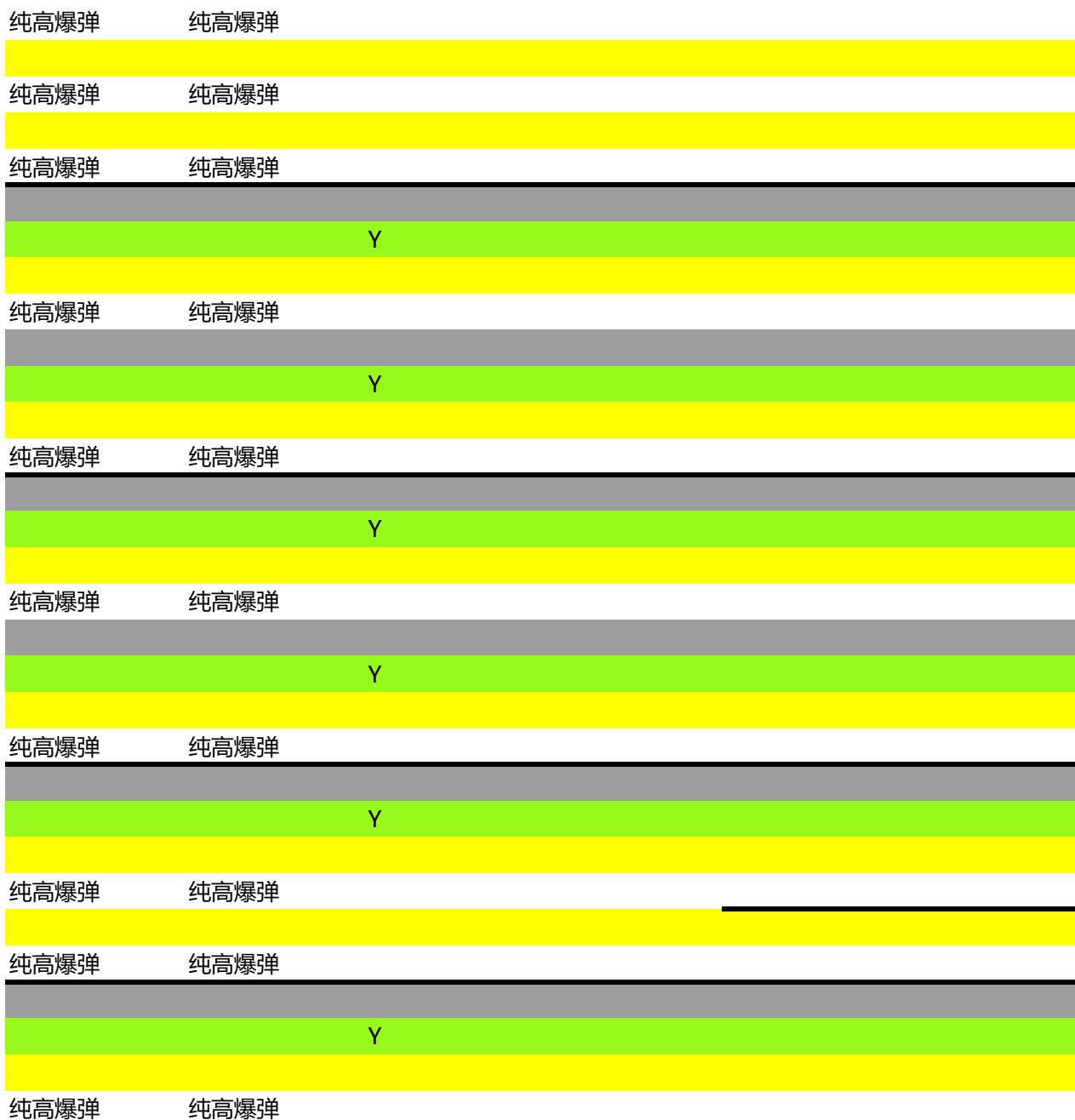
er in 37mm-57mm range is listed

000	1 ins Air gun	
000	PGZ-88, == Type 76	
000	1 ins, 射高4000m	
00000000-0000-0000-0600-0000a8070000	PGZ-63 == TYPE 61, 2000/1500/max, 28/35/95m	
00000000-0000-0000-0600-0000fb050000		动能弹
0000	NAVY, NO RADAR	
0000	NAVY, RADAR	

00000000-0003-0000-0600-00000d040000	1 ins	动能弹
00000000-0003-0000-0600-00000c040000	1 ins	
00000000-0000-0000-0600-0000fe050000	1 ins	动能弹
00000000-0000-0000-0600-000008070000	1 ins	
000	1 ins	
00000000-0000-0000-0600-0000fd050000	1 ins	动能弹
00000000-0000-0000-0600-0000ad070000	2 ins, differ by to ground/helo range	
00000000-0000-0000-0600-0000ac070000		
000	1 ins, veak 40	
0000	m/36==L/60==L/56	
0000	1 ins, 1 depre, already 1:1	
0E00	1 ins, already 1:1	
0000		

00000000-0000-0000-0600-0000ff050000	1 ins	动能弹
00000000-0000-0000-0600-00000a070000	1 ins	
00000000-0002-0000-0600-0000eb030000	1 ins	动能弹
00000000-0002-0000-0600-0000ec030000	1 ins	
0000	1 ins, 57mm Naval Auto-cannon, NAVY, NO RAD	
00000000-0000-0000-0600-0000b7070000	1 ins, 1 ins depre	
00000000-0000-0000-0600-000001060000	1 ins	动能弹
000	1 ins, AA gun	





35mm Autocann 35mm Autocannon Sep



纯高爆弹 小口径机炮



纯高爆弹 纯高爆弹



纯高爆弹 纯高爆弹



纯高爆弹 纯高爆弹



纯高爆弹 小口径机炮



纯高爆弹 小口径机炮



纯高爆弹 纯高爆弹



180000

纯高爆弹 小口径机炮



180000

纯高爆弹 小口径机炮



纯高爆弹

小口径机炮

纯高爆弹

小口径机炮

纯高爆弹

小口径机炮

纯高爆弹

小口径机炮

纯高爆弹

小口径机炮

d below

Y

雷达

雷达

Y

nm

光电, 纯高爆弹

光电, 小口径机炮

光电

光电

Y

雷达

雷达

Y

纯高爆弹, 雷达	小口径机炮, 雷达	
纯高爆弹	小口径机炮	
光电	光电	Y
纯高爆弹	小口径机炮	

雷达	雷达	Y
光电	光电	Y
光电	光电	Y
雷达	雷达	Y

纯高爆弹	小口径机炮	
纯高爆弹	小口径机炮	
光电	光电	Y
纯高爆弹	小口径机炮	
光电	光电	Y

[dium-caliber-ammunition/20-mm-series/20-mm->https://www.nammo.com/product/our-products/](https://www.nammo.com/product/our-products/)

原版对飞机射程(r 原版KE	原版静止精度(%)	原版移动精度(%)	原版连发数	原版面板连发数
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20	10			
20	10			
30	15			
30	15			

15	10			
15	10			
15	5			
15	5			

20	5			
30	10			



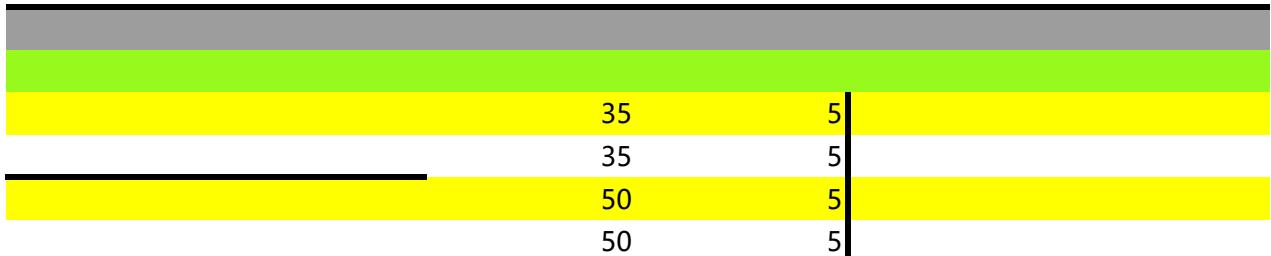
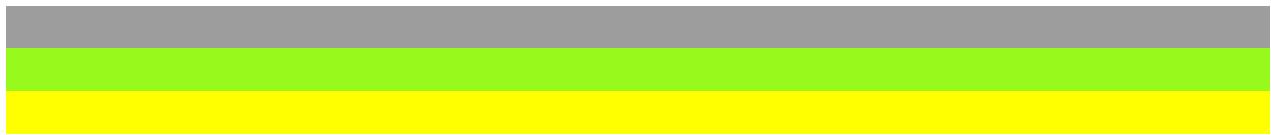
原版对飞机射程(r 原版KE	原版静止精度(%)	原版移动精度(%)

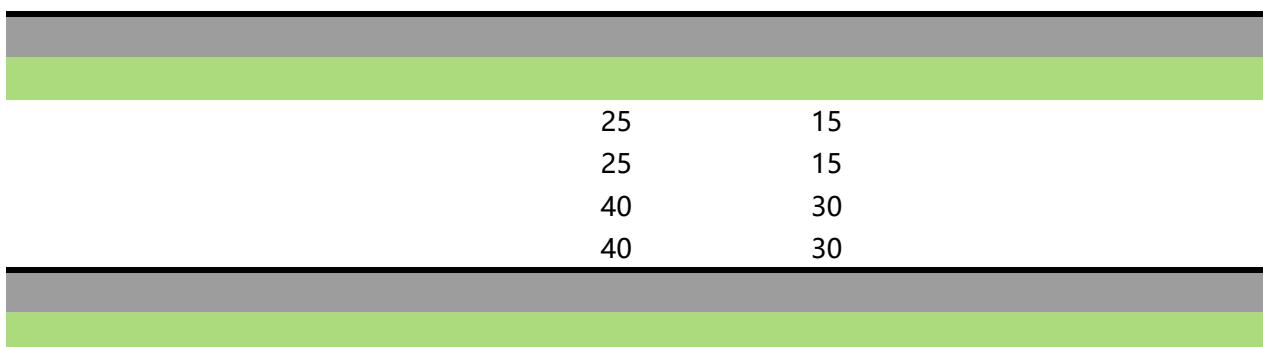
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50	25	
60	30	
60	30	

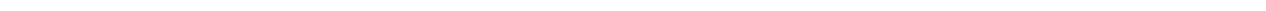
30	10	
30	10	
25	10	
25	10	

25	10	
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25	10
30	20
30	20
60	50
60	50





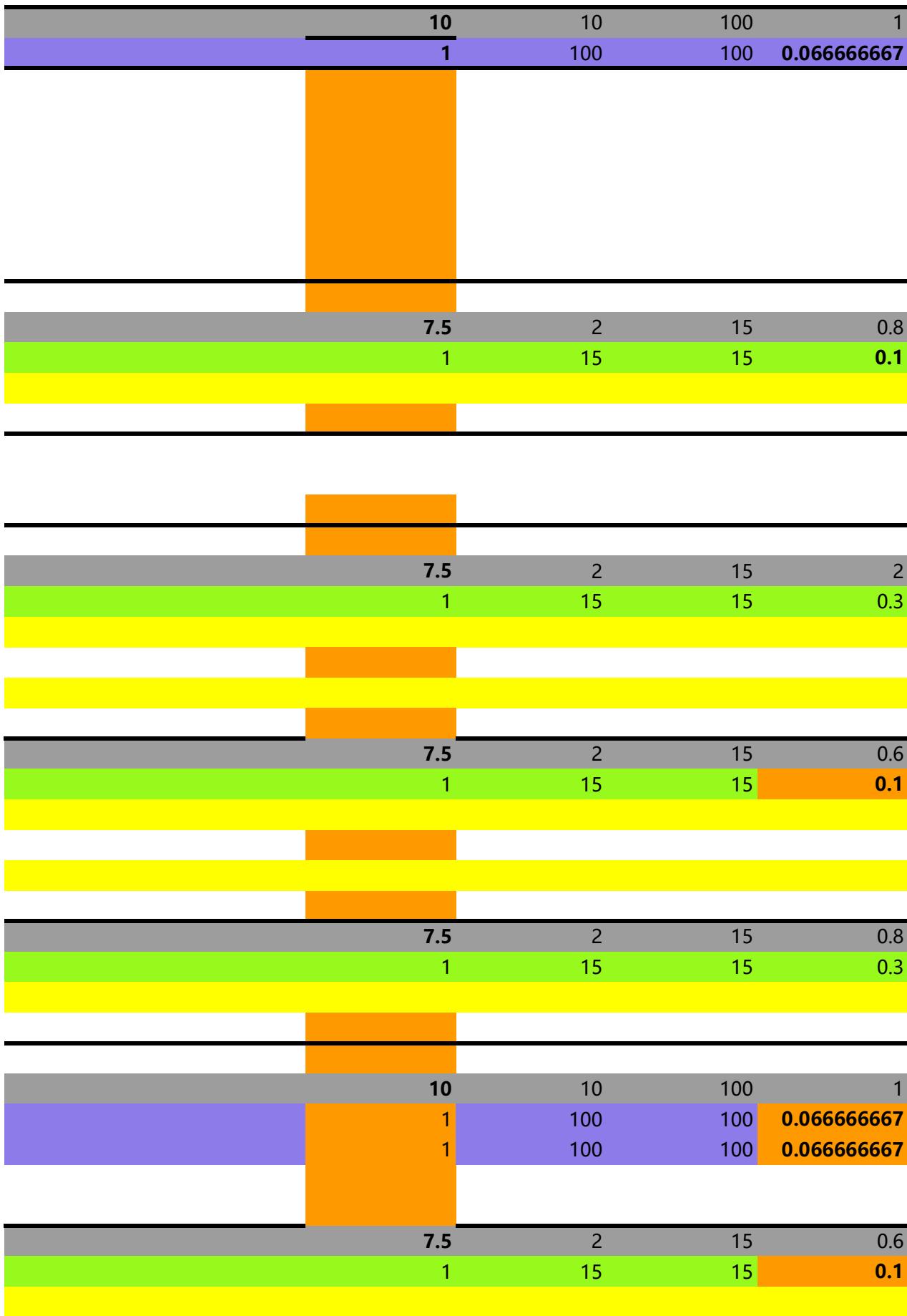


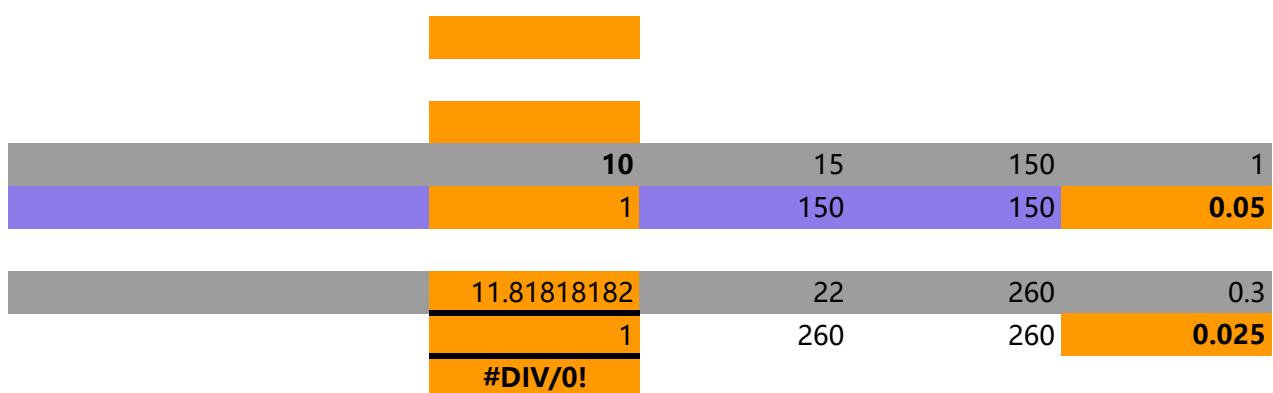
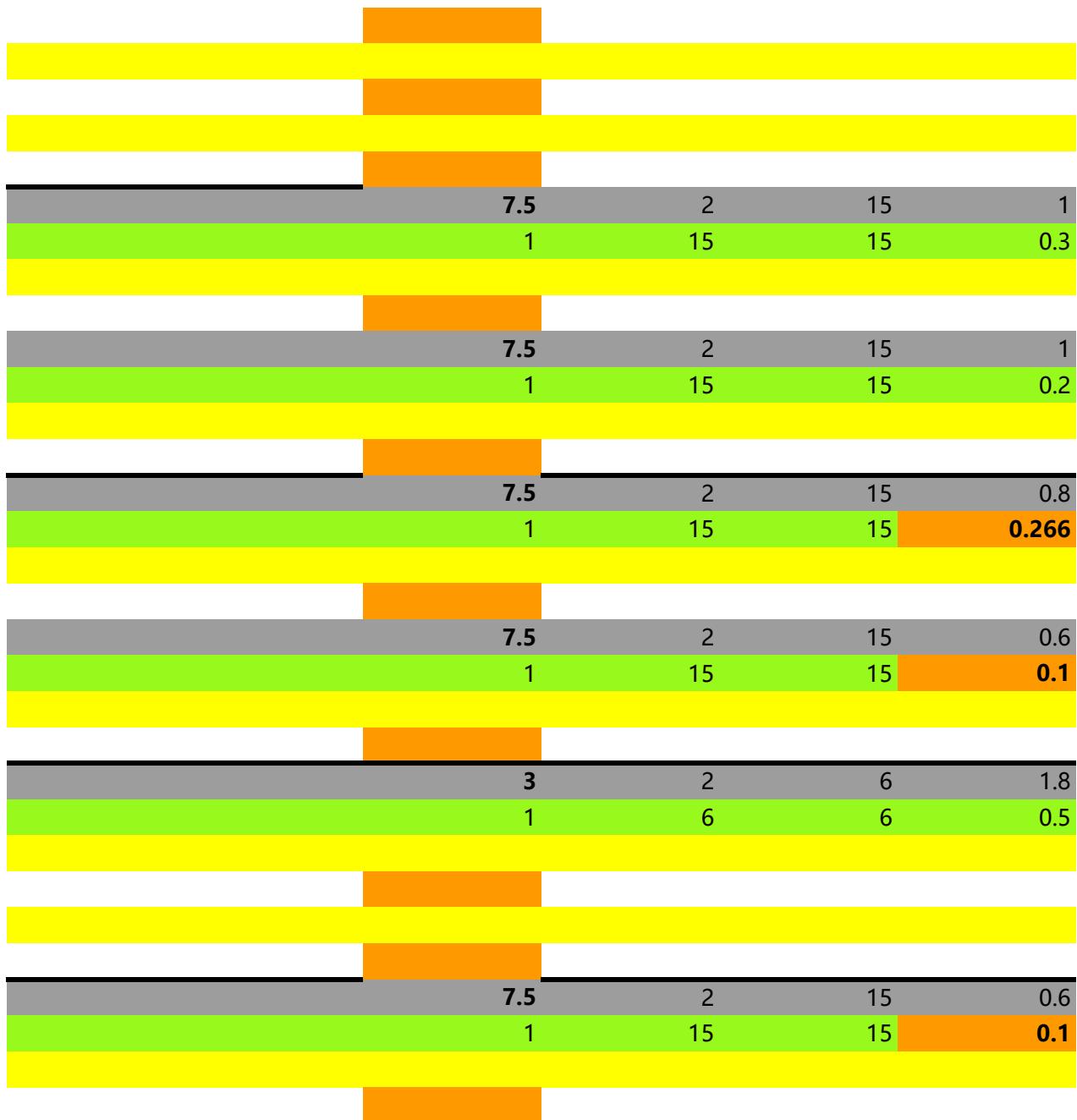


[ammunition/medium-caliber-ammunition/20-mm-series/20-mm-x-128-api-t/](#)

原版短装填	原版长装填	N:1比例	连发数	面板连发数	短装填
		7.5	2	15	0.4
		1	15	15	0.066666667
		7.5	2	15	0.4
		1	15	15	0.1
		7.5	2	15	0.4
		1	15	15	0.1
		7.5	2	15	0.8
		1	15	15	0.1
		7.5	2	15	0.4
		1	15	15	0.066666667
		7.5	2	15	0.4
		1	15	15	0.066666667
		7.5	2	15	0.4
		1	15	15	0.066666667
		10	10	100	1
		1	100	100	0.266
		7.5	2	15	0.4
		1	15	15	0.066666667







		2	15	1.4
	1	15	15	0.3
	1	15	15	0.3

	7.5	2	15	0.6
	1	15	15	0.066666667
	1	15	15	0.066666667
	7.5	2	15	0.4
	1	15	15	0.1

	7.5	2	15	0.6
	1	15	15	0.243

	8.333333333	6	50	0.4
	1	50	50	0.04
	1	50	50	0.04

	7.5	4	30	0.4
	1	30	30	0.04
	1	30	30	0.04

	7.5	2	15	0.8
	1	15	15	0.1
	1	15	15	0.1

	10	10	100	0.2
	1	100	100	0.009090909
	1	100	100	0.009090909

	7.5	4	30	0.2
	1	30	30	0.018181818
	1	30	30	0.018181818

	7.5	4	30	0.4
	1	30	30	0.028571429

	1	30	30	0.028571429
	7.5	2	15	0.8
	1	15	15	0.1
	1	15	15	0.1
	7.5	2	15	0.6
	1	15	15	0.1
	1	15	15	0.1
	7.5	4	30	0.4
	1	30	30	0.05
	1	30	30	0.05
	7.5	4	30	0.2
	1	30	30	0.025
	1	30	30	0.025

	6.329113924	158	1000	1
	1	1000	1000	0.1
	7.5	4	30	2
	1	30	30	0.2
	1	30	30	0.2
	8	5	40	1
	1	40	40	0.2
	8	5	40	1
	1	40	40	0.1

	8.181818182	11	90	1
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	1	24	24	0.2
	1	24	24	0.2
	7.5	2	15	1.4
	1	10	10	0.2
	1	10	10	0.2
		4	30	1.6
		30	30	0.25
	7.5	4	30	1.6
	1	30	30	0.25
	1	30	30	0.25
	1	30	30	0.25
	7.777777778	18	140	0.8
	1	140	140	0.1
		5	5	0.6
		5	5	0.5
		6	6	0.4
		6	6	0.25
	36	5	180	0.8
	1	180	180	0.066666667

	7.5	2	15	2
	1	15	15	0.3
	1	15	15	0.3
	7.5	2	15	2
	1	15	15	0.3
	1	15	15	0.3
	8	5	40	1
	1	40	40	0.25
	6	2	12	1.2
	1	12	12	0.25
	1	12	12	0.25
	6	2	12	1.2
	1	12	12	0.25

长装填	实际射速	面板爆发射速	面板射速	真实射速	基础齐射数
0.8	100	1125	750	740	
0.2	794.1176471	900	794.1176471	900	
0.8	100	1125	750	700	
0.2	562.5	600	562.5	600	
0.8	100	1125	750	700	
0.2	562.5	600	562.5	600	
			750 WG, 700 WT		
			650-700		
1.2	60	562.5	450	740, 650-700	
0.2	562.5	600	562.5	600	
0.8	100	1125	750	740, 880-1020	
0.2	794.1176471	900	794.1176471	900	
0.8	100	1125	750	1000	
0.2	794.1176471	900	794.1176471	900	
			750 WG		
6	40	600	400	450	
6	185.5631843	225.5639098	185.5631843		
0.8	100	1125	750	900	
0.8	519.2307692	900	519.2307692		

6	40	600	400	900
6	476.1904762	900	476.1904762	900

1.2	60	562.5	450	600	guessed
1.2	346.1538462	600	346.1538462		

2.4	27.27272727	225	204.5454545	201
0.3	200	200	200	

1	75	750	562.5	550
0.25	545.4545455	600	545.4545455	

1.2	60	562.5	450	200
0.3	200	200	200	

6	40	600	400	
6	476.1904762	900	476.1904762	450x2
6	476.1904762	900	476.1904762	

1	75	750	562.5	550
0.25	545.4545455	600	545.4545455	

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1.4	50	450	375	200	
0.3	200	200	200		

1.4	50	450	375	330	
0.2	300	300	300		

1.2	60	562.5	450		
0.266	225.5639098	225.5639098	225.5639098		

1	75	750	562.5	550	GUESSED
0.25	545.4545455	600	545.4545455		

2	31.57894737	100	94.73684211		
2	80	120	80		

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1	75	750	562.5	550	GUESSED
0.25	545.4545455	600	545.4545455		

6	45	600	450		
6	669.1449814	1200	669.1449814	600x2	

5	116.8141593	2363.636364	1380.530973	1250x2	
5	1359.477124	2400	1359.477124		

1.8	37.5	321.4285714	281.25	200
1.8	150	200	150	
1.8	150	200	150	

1	75	750	562.5	900
0.2	794.1176471	900	794.1176471	996-WT
0.2	794.1176471	900	794.1176471	550-TANK ENCYCLO
0.8	100	1125	750 600-750	
0.2	562.5	600	562.5	600

1	75	750	562.5	740
0.243	246.9135802	246.9135802	246.9135802	3X246

0.6	138.4615385	1250	1153.846154	1500
0.2	1388.888889	1500	1388.888889	
0.2	1388.888889	1500	1388.888889	
0.8	120	1125	900 740X2(WT)	
0.2	1323.529412	1500	1323.529412	
0.2	1323.529412	1500	1323.529412	

1.2	60	562.5	450 600(WT)	
0.2	562.5	600	562.5	
0.2	562.5	600	562.5	

0.6	250	3000	2500 3400(WT) X2	
0.2	5454.545455	6600	5454.545455	
0.2	5454.545455	6600	5454.545455	
0.6	200	2250	1500 3000-3400	
0.2	2475	3300	2475	
0.2	2475	3300	2475	
0.8	120	1125	900 1150 X2	
0.2	1750	2100	1750	

0.2	1750	2100	1750	
1.2	60	562.5	450	620
0.2	562.5	600	562.5	
0.2	562.5	600	562.5	
1	75	750	562.5	720(WT)
0.2	562.5	600	562.5	
0.2	562.5	600	562.5	
1.4	92.30769231	1125	692.3076923	620x2
0.2	1090.909091	1200	1090.909091	
0.2	1090.909091	1200	1090.909091	
0.6	200	2250	1500	2600(WT)
0.2	1945.945946	2400	1945.945946	
0.2	1945.945946	2400	1945.945946	

15	55.11627907	379.7468354	348.8372093	360 X2
15	522.1932115	600	522.1932115	
2	30	225	225	160X2 Max, 50r x2 in combat
2	230.7692308	300	230.7692308	
2	230.7692308	300	230.7692308	
6	30	480	240	
6	173.9130435	300	173.9130435	
4	37.5	480	300	
4	303.7974684	600	303.7974684	

3.8	47.82608696	490.9090909	391.3043478	300
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3	189.4736842	300	189.4736842
3	189.4736842	300	189.4736842
1.8	37.5	321.4285714	281.25
1.36	189.8734177	300	189.8734177
1.36	189.8734177	300	189.8734177
1.6	37.5	281.25	281.25 120x2
1.6	203.3898305	240	203.3898305
1.6	37.5	281.25	281.25 120x2, 8 rounds belt, 480 rounds
1.6	203.3898305	240	203.3898305
1.6	203.3898305	240	203.3898305
1.6	203.3898305	240	203.3898305
5	58.06451613	583.3333333	451.6129032 300x2, 140 rounds belt, 420 rounds
5	444.4444444	600	444.4444444
2	68.18181818	100	68.18181818
2	75	120	75
4	60	150	60 120x2
2	110.7692308	240	110.7692308
2	57.69230769	2700	2076.923077 450x2
2	775.1196172	900	775.1196172

2.4	27.27272727	225	204.5454545
1	173.0769231	200	173.0769231
1	173.0769231	200	173.0769231
2.4	27.27272727	225	204.5454545
1	173.0769231	200	173.0769231
1	173.0769231	200	173.0769231
4	37.5	480	300
4	174.5454545	240	174.5454545
3	28.57142857	300	171.4285714 120x2
3	125.2173913	240	125.2173913
3	125.2173913	240	125.2173913
3	28.57142857	300	171.4285714
3	125.2173913	240	125.2173913

齐射数	短装填Fx	散布角	单发现实装药(kg)	现实装药(kg)
3		20mm	0.02	
2		20mm	0.02	
2		20mm	0.02	
2		20mm	0.02	
3		20mm	0.02	
3		20mm	0.02	
0.4	0.002			
2	0.13	0.01 20mm	0.02	
3		20mm	0.02	

	0.4	0.002	
3	0.06	0.005	0.02

		X7.5	
	0.1		
2		23mm	0.024

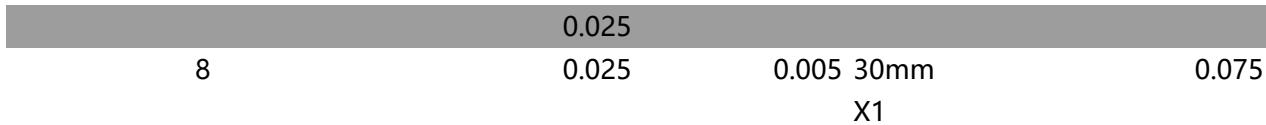
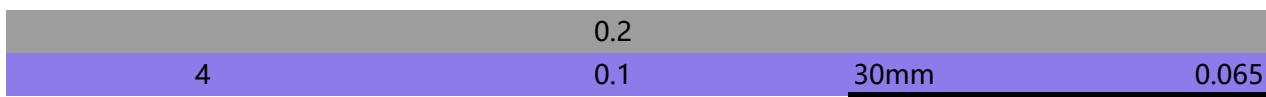
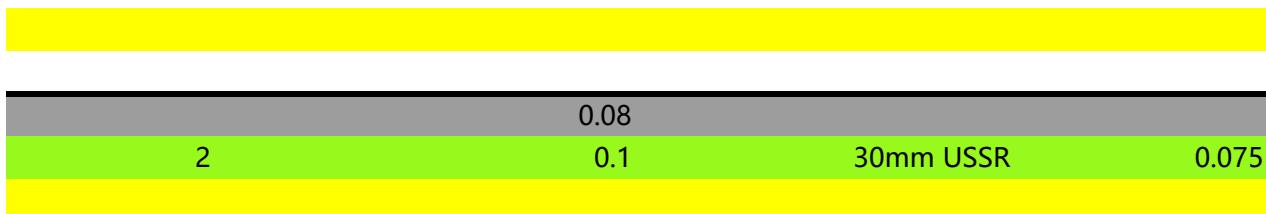
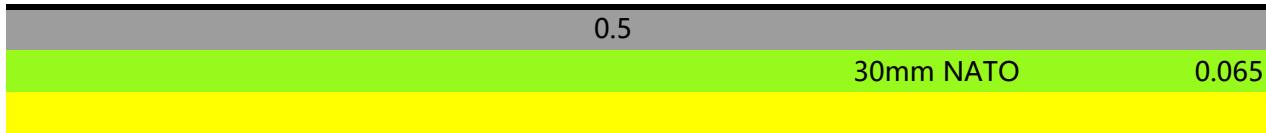
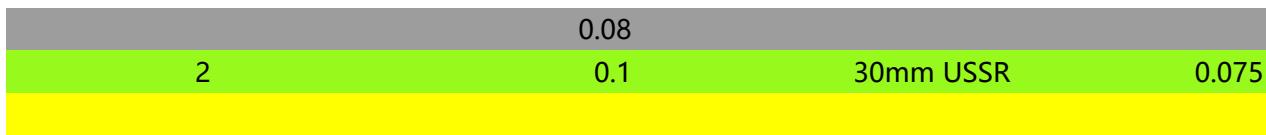
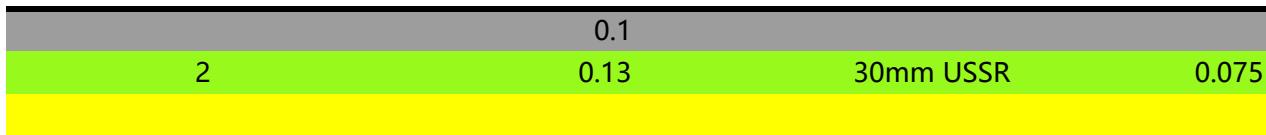
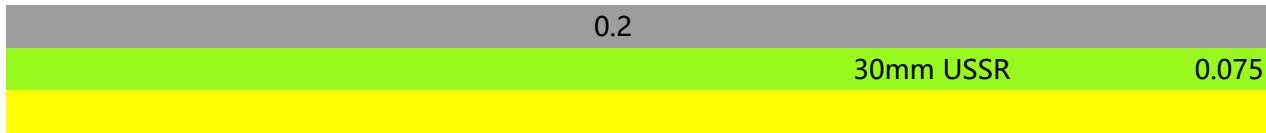
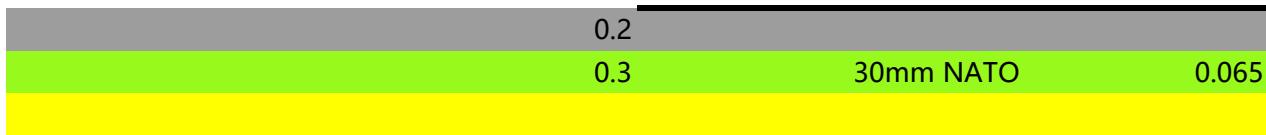
	0.3	25mm	0.025

2	0.1	25mm	0.025

	0.3	25mm	0.025

	0.2		
3	0.066	25mm	0.025
3	0.066	25mm	0.025

	0.08		
2	0.1	30mm USSR	0.075



	0.2		
	35mm		0.08

	0.08	0.01	
3	0.066	0.005 20mm	0.02
3	0.066	0.005 20mm	0.02
	0.06	0.01	
2	0.1	0.005 20mm	0.02

	0.08	0.01	
3	0.08	0.005 20mm	0.02

	0.06	0.01	
5	0.04	0.005 20mm	0.02
5	0.04	0.005 20mm	0.02
	0.1	0.01	
5	0.04	0.005 20mm	0.02
5	0.04	0.005 20mm	0.02

		0.01	
2	0.1	0.005 23mm	0.024
2	0.1	0.005 23mm	0.024
	0.1	0.01	
22	0.009	0.005 23mm	0.024
22	0.009	0.005 23mm	0.024
	0.04	0.01	
11	0.018	0.005 23mm	0.024
11	0.018	0.005 23mm	0.024
	0.04	0.01	
7	0.05	0.005 23mm	0.024

7	0.05	0.005 23mm	0.024
	0.2	0.01	
2	0.1	0.005 30mm HEDP	0.02688
2	0.1	0.005 30mm HEDP	0.02688
	0.2	0.01	
2	0.1	0.005 30mm NATO	0.065
2	0.1	0.005 30mm NATO	0.065
	0.2	0.01	
4	0.05	0.005 30mm HEDP	0.02688
4	0.05	0.005 30mm HEDP	0.02688
	0.04	0.01	
8	0.025	0.005 30mm USSR	0.075
8	0.025	0.005 30mm USSR	0.075

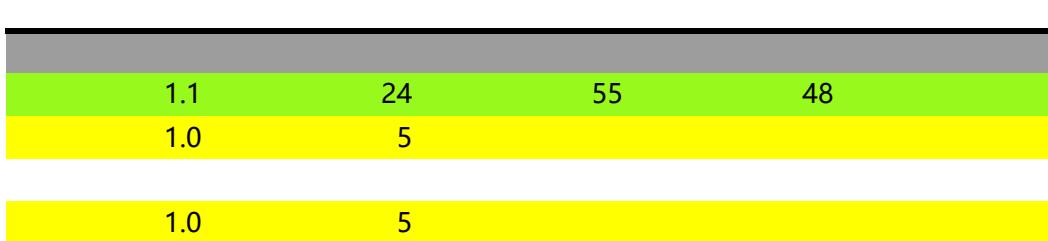
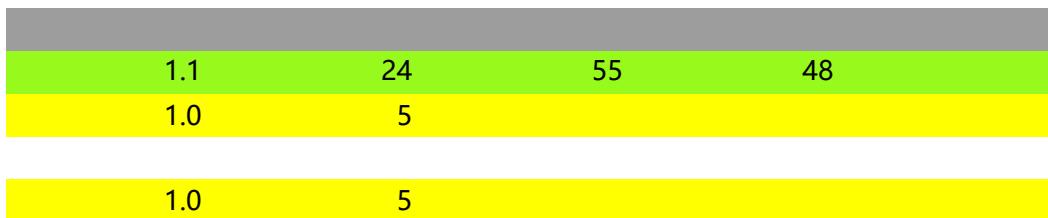
	0.15		
2		0.005 37mm	0.1
	0.4		
1		0.01 37mm	0.034
1		0.01	
	0.2		
1		0.01 37mm	0.034
	0.2		
2		0.01 37mm	0.1

	0.2		
--	-----	--	--

	0.01	
	0.01 40mm	0.174
0.2		
	0.01	
	0.01 40mm	0.174
0.25		
	0.01 40mm	0.063
Is tot		
	0.01	
	0.01 40mm	0.063
	0.01 40mm	0.063
Ids tot	0.1	
2		0.005 40mm
	0.6	
	0.5	0.01 40mm
2	0.4	
1	0.25	0.01 40mm
	0.2	
3	0.066	0.01 40mm
		0.063

	0.3	
	0.01	
	0.01 45mm	0.15
0.3		
	0.01	
	0.01 50mm	0.2
0.4		
0.25	0.01 57mm	0.25
0.2		
0.25	0.01 57mm	0.25
0.25	0.01	
0.2		
0.25	0.01 57mm	0.25

HE	HE半径	压制	压制半径	修正系数
1.0	22	51	45	
	5			
1.0	22	51	45	
	5			
1.0	22	51	45	
	5			
1.0	22	51	45	
	5			
		5		
1.0	22	51	45	
	5			
1.0	22	51	45	
1.0	22	51	45	
	5			



1.0 5

1.0 5

1.5 33 76 66
1.0 5

1.5 35 80 69
1.0 5

1.5 35 80 69
1.0 5

1.5 35 80 69
1.0 5

1.5 33 76 66
1.0 5

1.0 5

1.5 35 80 69
1.0 5

1.5 33 76 66

1.5 35 80 69

1.5 35 80 69

1.0	5		
1.6	35	82	71

1.0	22	51	45
1.0	22	51	45
1.0	22	51	45

1.0	22	51	45
-----	----	----	----

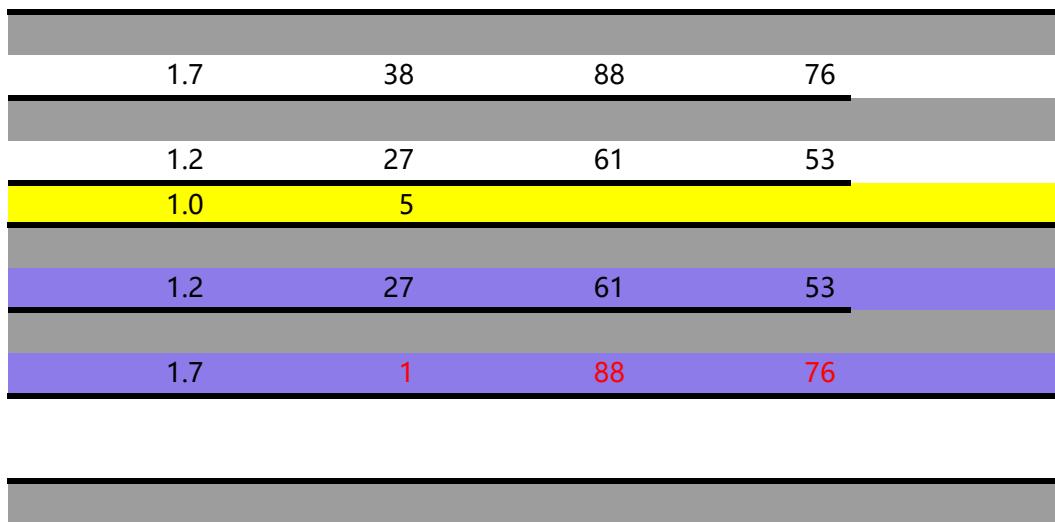
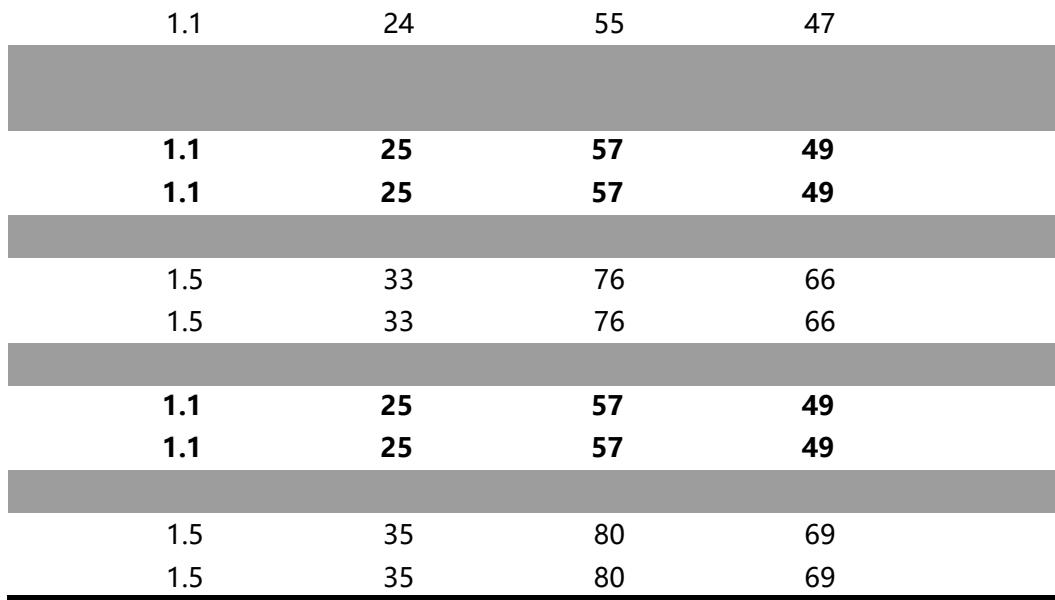
1.0	22	51	45
1.0	22	51	45
1.0	22	51	45
1.0	22	51	45
1.0	22	51	45

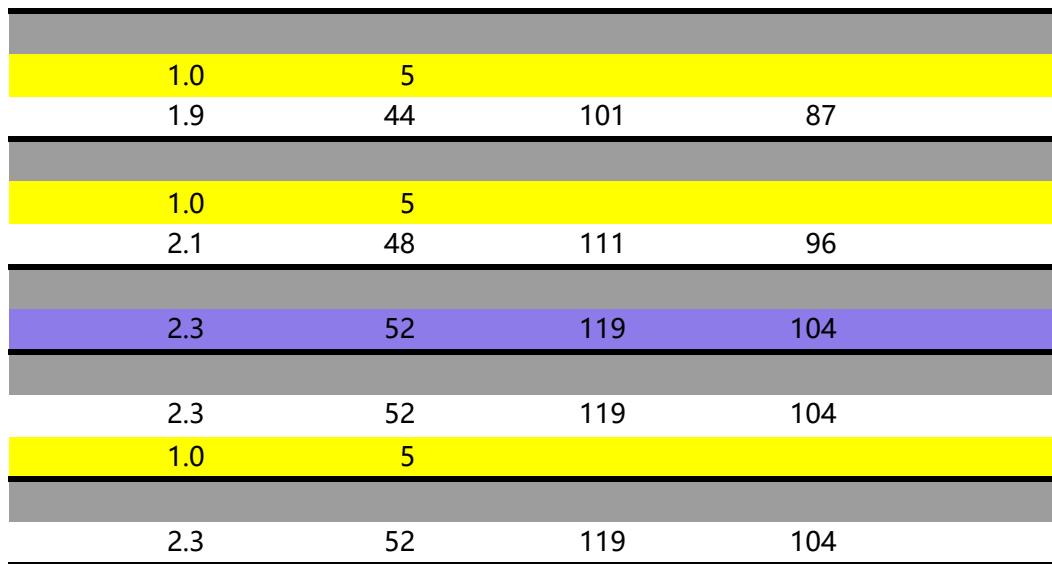
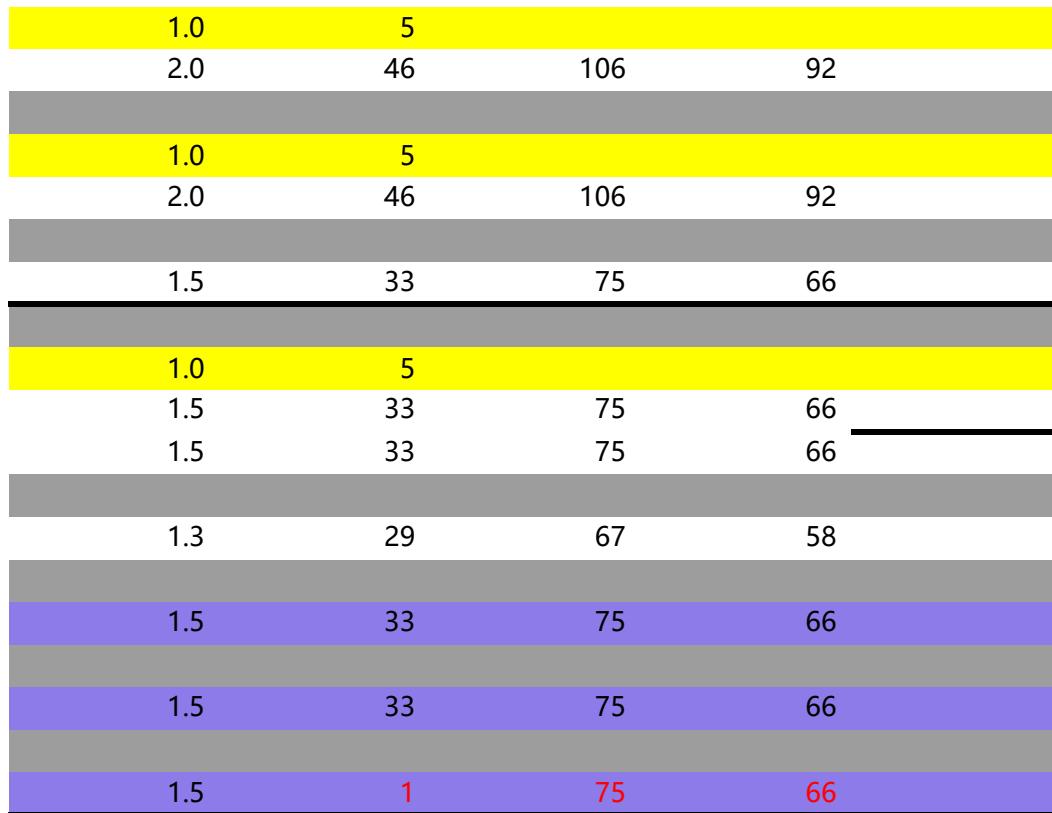
1.1	24	55	47
1.1	24	55	47

1.1	24	55	47
1.1	24	55	47

1.1	24	55	47
1.1	24	55	47

1.1	24	55	47
1.1	24	55	47





5-9-» 1: *0.25 65+->25 60-55->20

实际穿深	KE	对地射程(km)	最小对地射程(km)	对直升机射程(km)
2000/1500/max m , 10/15/57mm	1	1	1.9	1.7
vanilla 1575 2ap	1	1	1.9	1.7
2000/1500/max m , 6/8/26mm	1	1	1.9	1.7
sweden name for Hispano	1	1	1.9	1.7
10/15/57mm	1	1	1.9	1.7
2000/1500/max m , 14/21/66mm	1	1	1.9	1.7
same ammo as RH202, F2	1	1	1.9	1.7
	1	1	1.9	1.7
		1.9		2.5
2000/1500/max m , 10/15/57mm	1	1	1.9	1.7

	1.9	2.5
--	-----	-----

	1	1	
max 29mm		1.9	1.7

	2	2.1	
2000/1500/max m , 55/60/80mm		2.1	1.9
2000/1500/max m , 74/81/101mm	3	2.1	1.9

	2	2.1	
2000m 61mm APDS		2.1	1.9
	2	2.1	1.9

	1	1.9	
2000/1500/max m , 19/26/63mm		2.1	1.9

	3		3
	2.8		2.8

	2	2.1	
2000/1500/max m , 30/36/65mm		2.1	

		2.1	1.9
2000/1500/max m , 69/72/82mm	3	2.1	
		2.1	1.9
	3	2.1	
		2.1	1.9
2000m 93mm pen APFSDS	4	2.1	
		2.1	1.9
2000/1500/max m , 69/72/82mm	3	2.1	
		2.1	1.9
1750 3ap	1	2.1	
		2.1	1.9
1750 4ap	2	2.1	
		2.1	1.9
2000/1500/max m , 16/21/53mm	1	1.9	
		1.9	1.7
2000/1500/max m , 41/52/110mm	1	2.1	
		2.1	1.9
1750 2ap	1	1.9	
		1.9	1.7

	10	6

	2.1	4

2000/1500/max m , 97/104/127mm	4	2.1	移除
		2.1	1.9

2000/1500/max m , 10/15/57mm	2.1	
	2.1	2.1
	2.1	2.1

, probably same pen as above

2000/1500/max m , 14/20/53mm	2.1	2.1
	2.1	2.1

	2.1	
	2.1	2.1
	2.1	
	2.1	2.1

max 29mm	2.1	
	2.1	2.1

max 29mm	2.1	
	2.1	2.1

	2.1	
	2.1	2.1

	2.1	
	2.1	2.1

	2.1	
	2.1	2.1

	2.1	
	2.1	2.1

	2.1	2.1
, 51mm pen, HEDP (not KE) , 26.88g	2.1	2.1
	2.1	2.1
, SAP round, 24mm max pen only	2.1	2.1
	2.1	2.1
	2.1	2.1
2000m 24mm AP round, 65mm max	2.1	2.1
	2.1	2.1

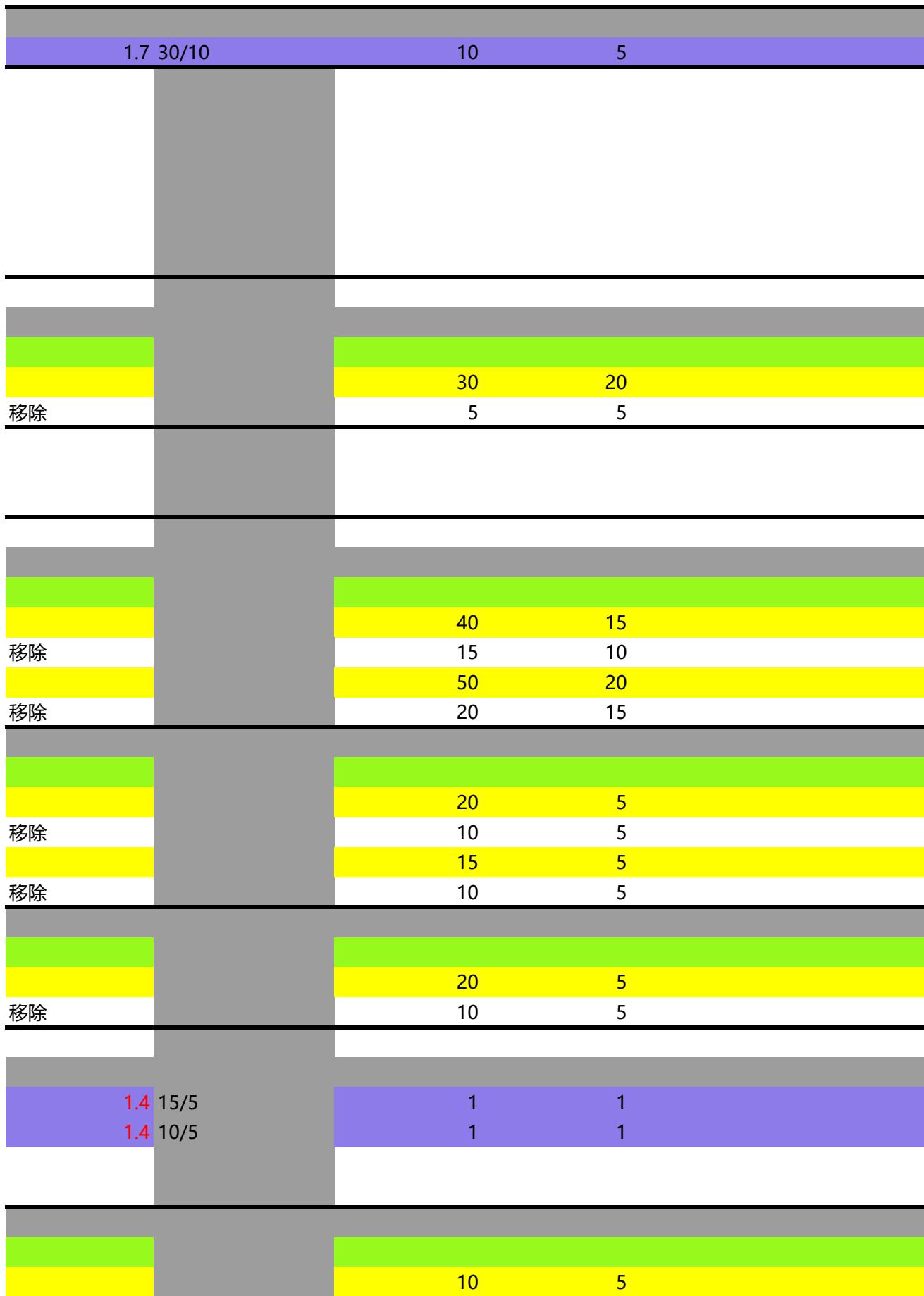
	2.1	5
	1.9	1.7
VANILLA: 1400m 2AP	1	1.9 移除
	4	3
	9.4	4

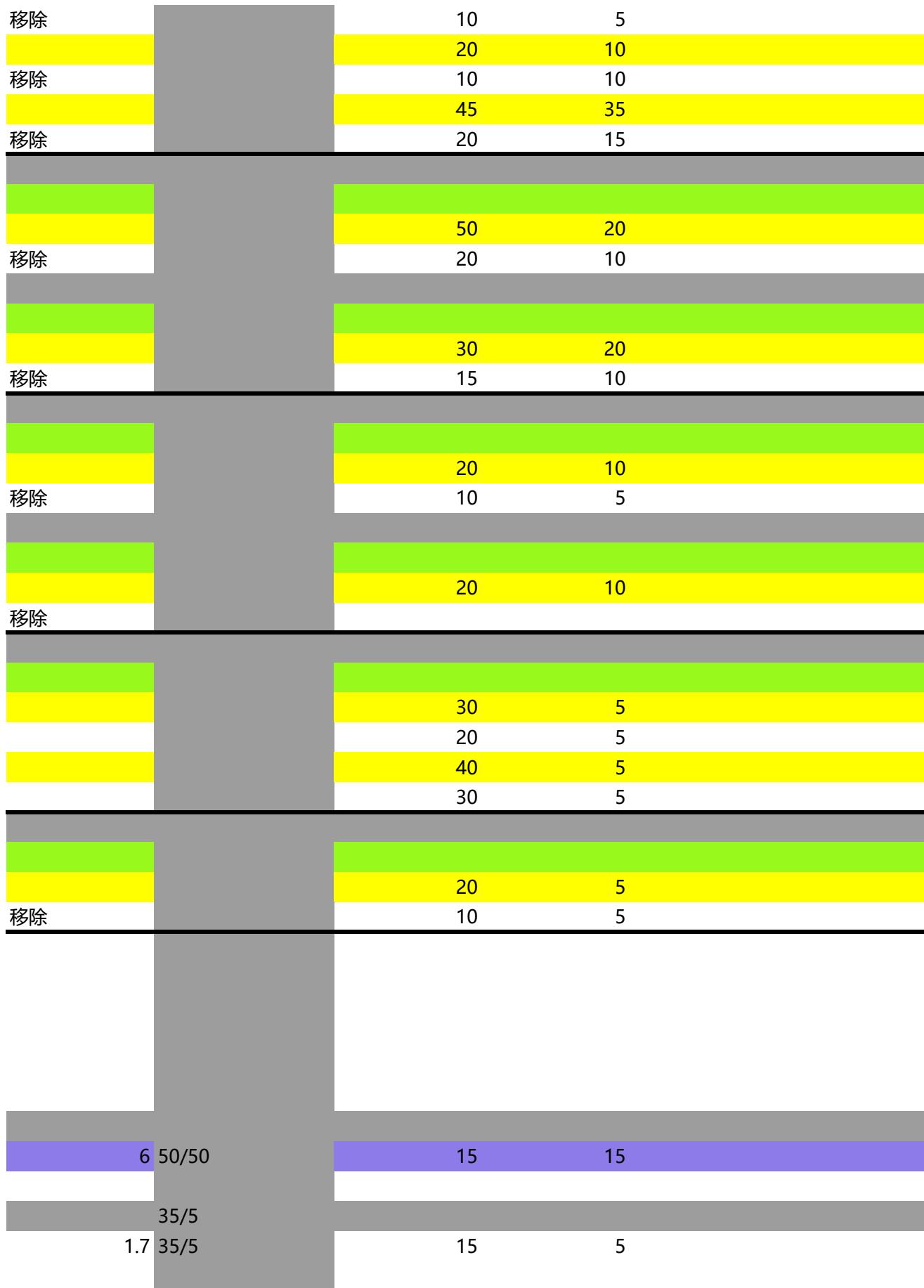
2000m 116mm(WT), vanilla 1925m 3AP	5	2.1	移除
		2.1	5.5
vanilla 1925m 4AP	5	2.1	移除
		2.1	1.9
		1.9	2.5
1400m 2AP, 2000m 30mm, 1500m 38mm	1	2.1	移除
		2.1	2.5
		2.1	2.5
		2.1	5
	6	2.1	
	10	2.1	
	10	2.1	5.5

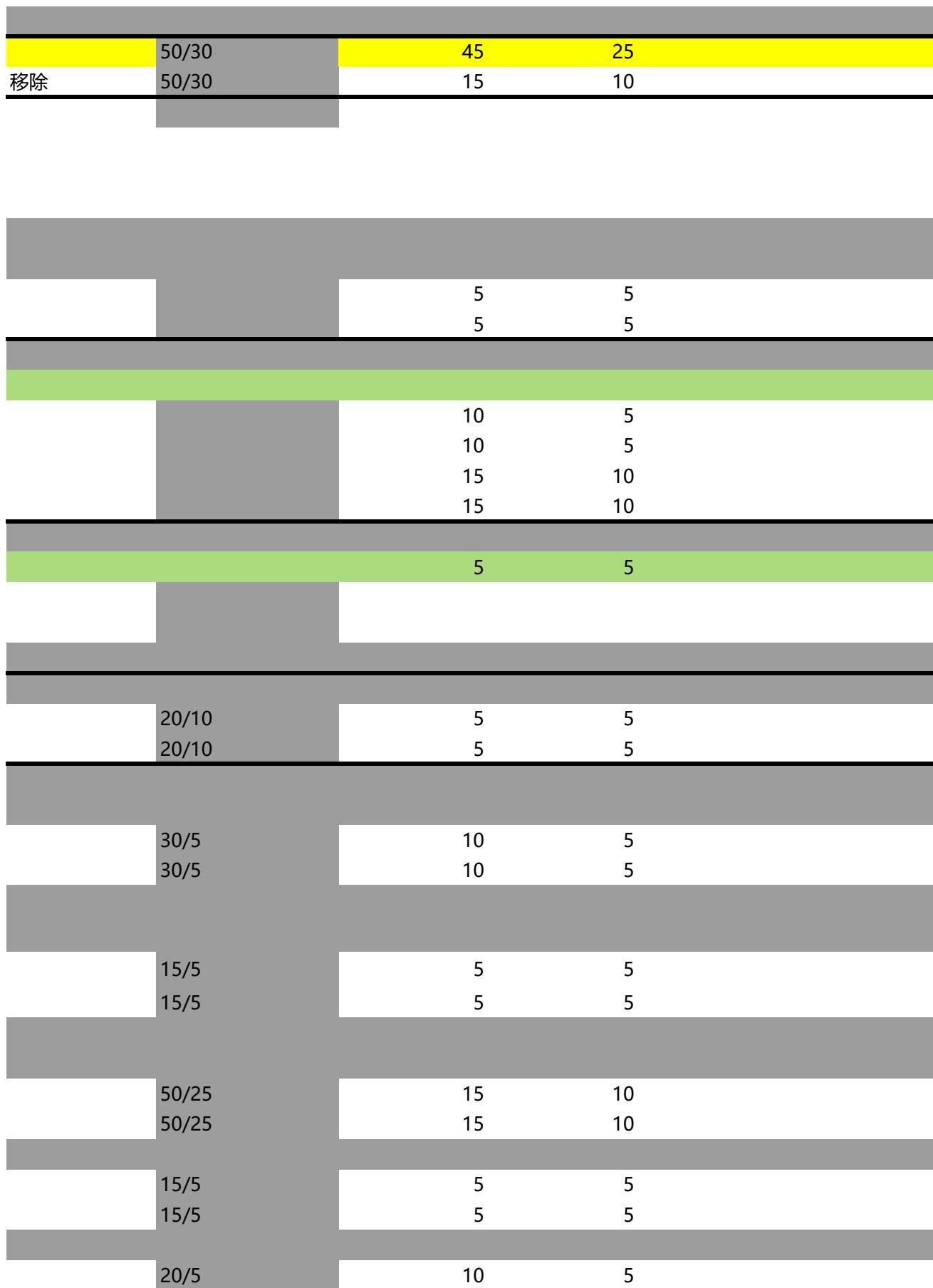
1925/5AP	4	2.1	移除
		2.1	1.9
1925/6AP	5	2.1	移除
		2.1	1.9
	12	2.1	6
		2.1	6
1575/3AP, 2000m 87mm, 1500m 1000mr	4	2.1	移除
		2.1	6

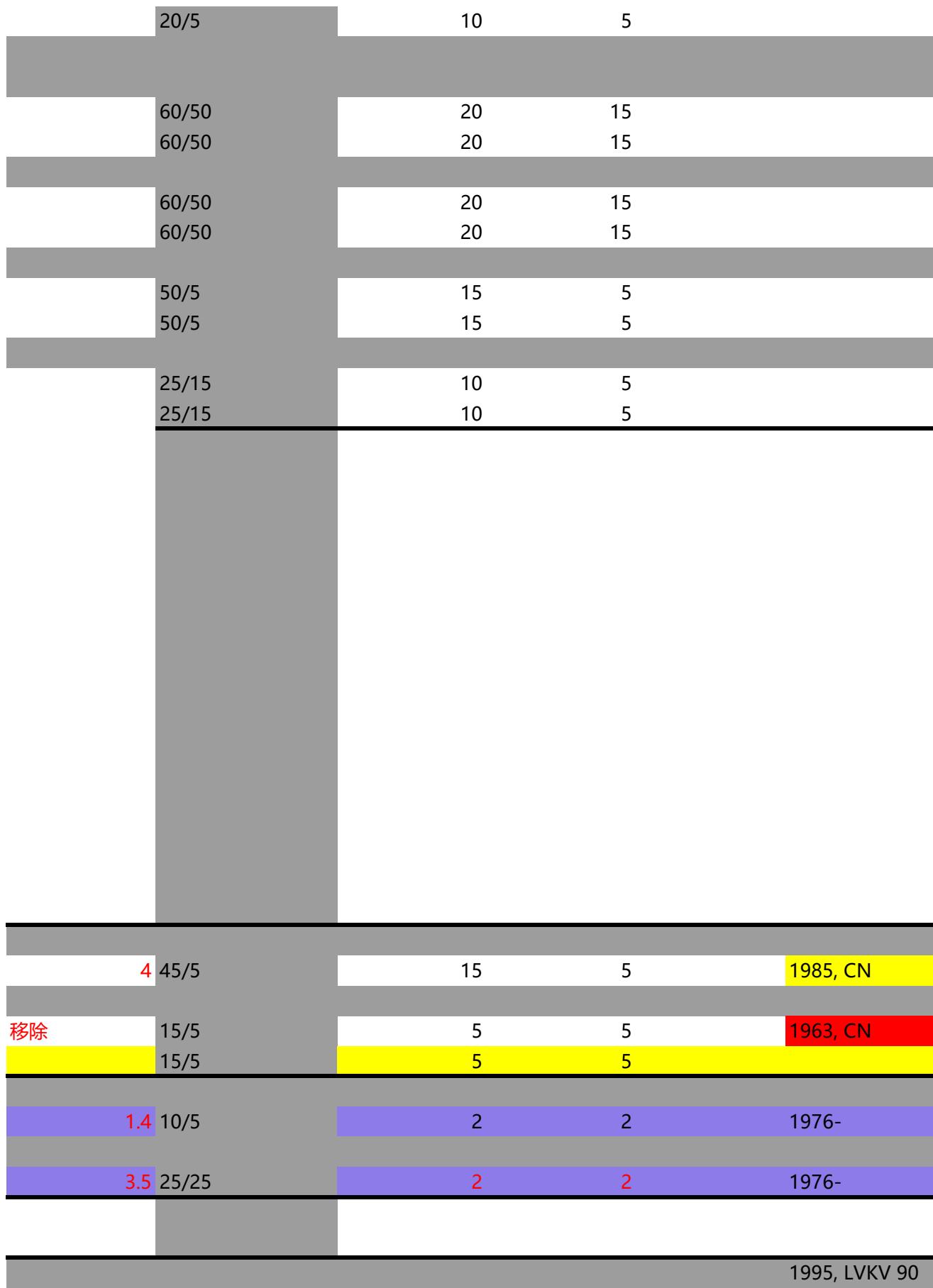
对空射程(km)	70->25	60->20	50-40->15	35-25->10	20-10->5	TypeArme	备注
	原精度	静止精度(%)	移动精度(%)				
移除		35	25	5	5		
移除		45	30	10	5		
移除		30	25	5	5		
移除		30	20	5	5		
移除		35	25	5	5		
移除		45	30	10	5		
移除		30	25	5	5		
移除		30	20	5	5		
1.7	20/5	5	5				
	30/10	10	5				
移除		35	25	5	5		

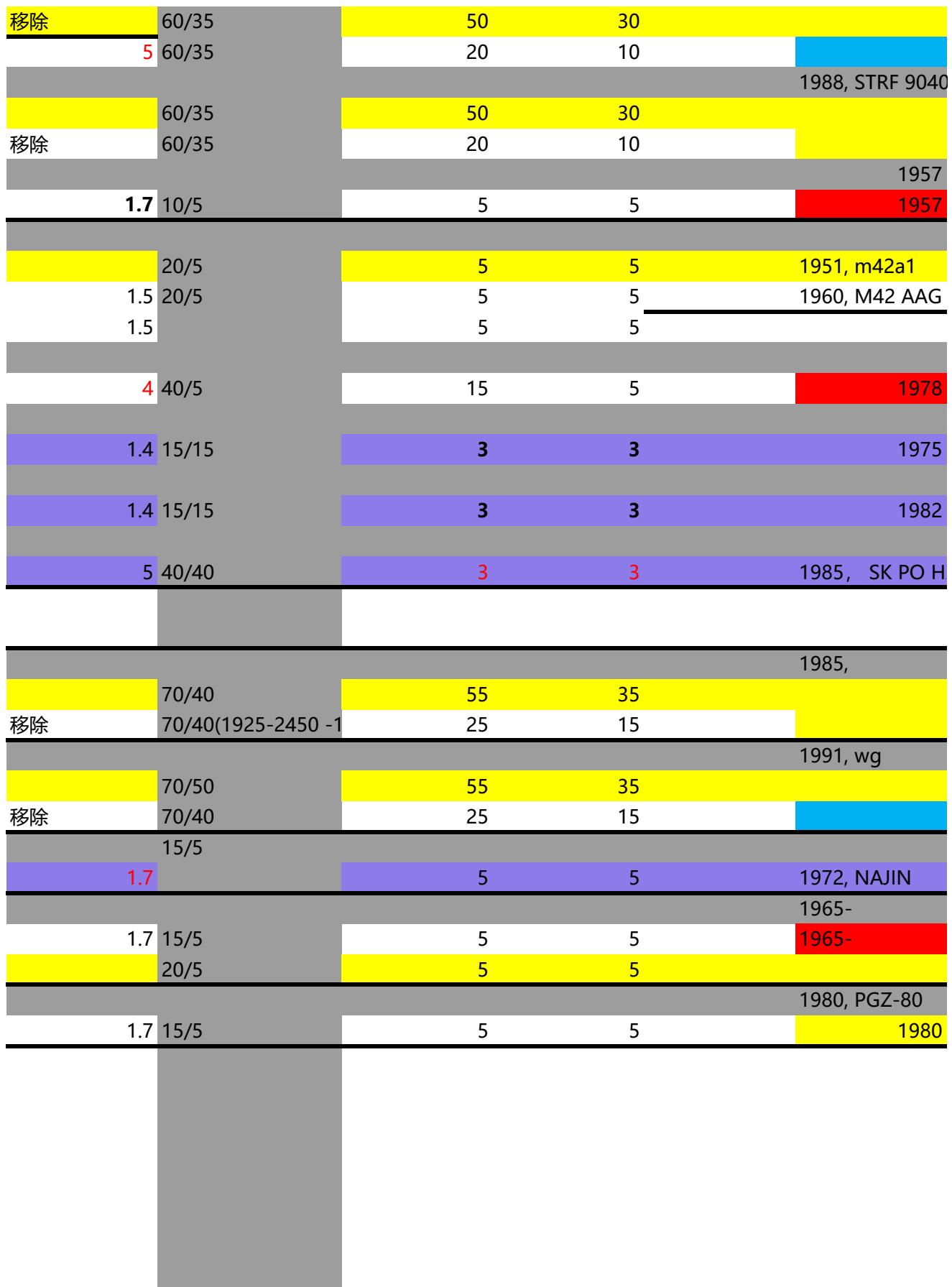












瞄准时间	弹链补给量	初速度	火	武器类型	UI格子优先级
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
				小口径机炮	3
	100			小口径机炮	
				小口径机炮	3

100

小口径机炮

3

小口径机炮

3

小口径机炮

3

小口径机炮

3

小口径机炮

3

小口径机炮

3

50

100

100

小口径机炮

小口径机炮

小口径机炮 3

小口径机炮 3

小口径机炮

小口径机炮 3

小口径机炮 3

小口径机炮 3

小口径机炮 3

小口径机炮 3

小口径机炮

小口径机炮 3

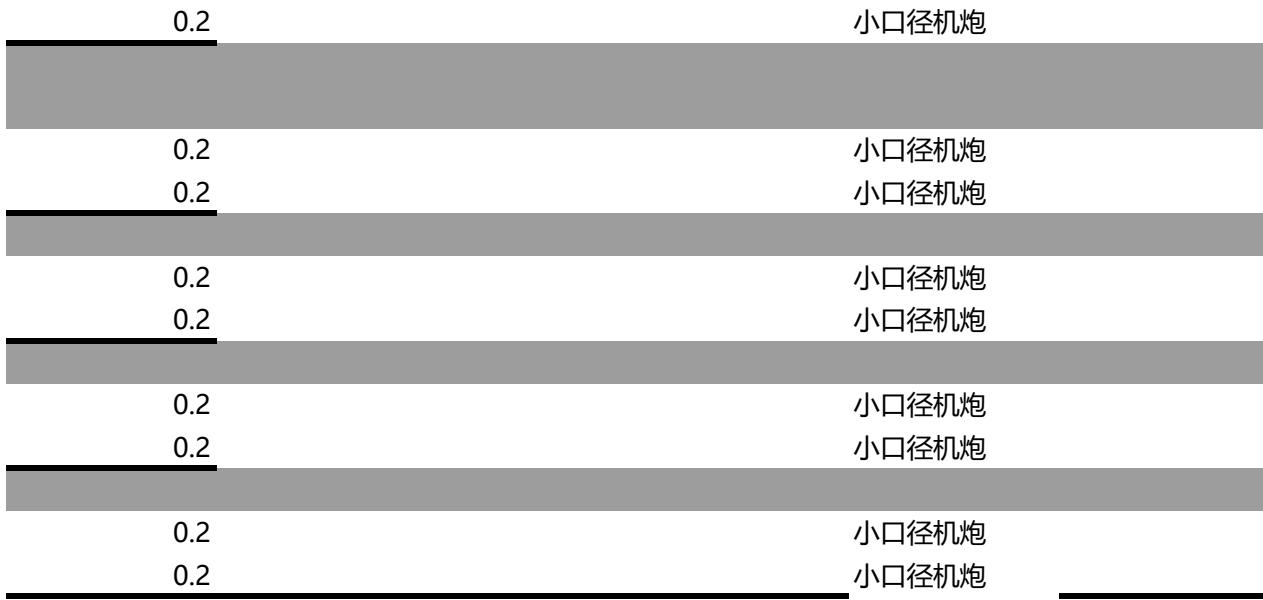
75

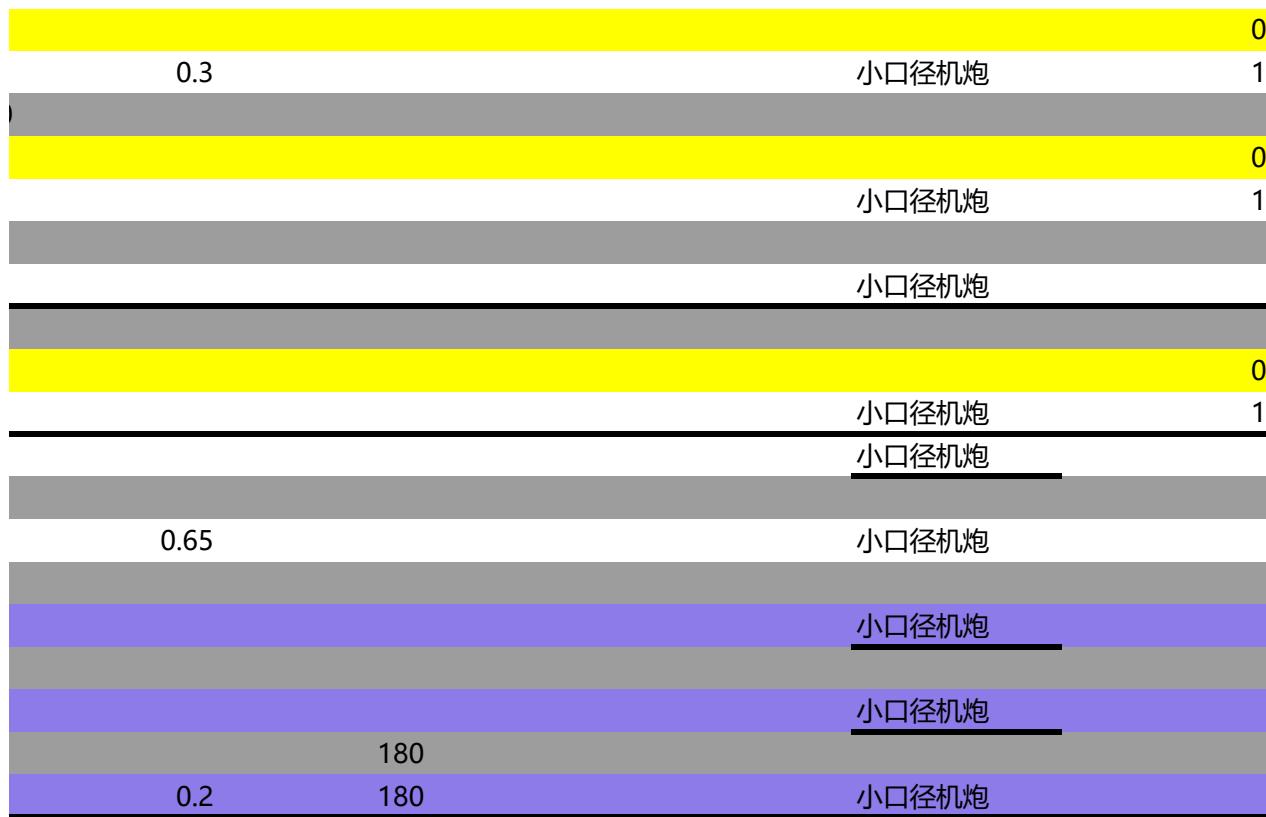
150

小口径机炮

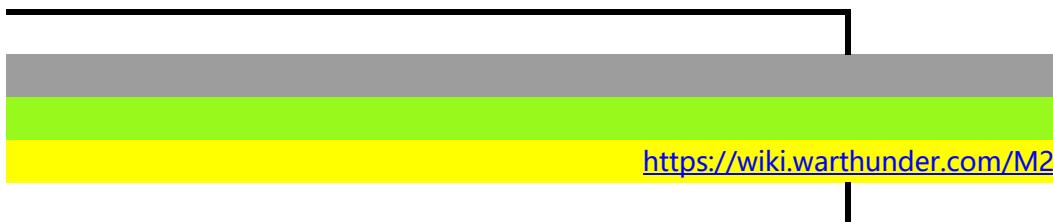
小口径机炮







武器管理器名	武器管理器Salvo	武器管理器Salvo	链接	口径
			https://weaponsystems.net/system/1010-20mm%20Gia	
			https://wiki.warthunder.com/AMX-30B2	
			https://wikimili.com/en/Zastava_M55	
			https://wiki.warthunder.com/Hispano_404_(20_mm)	
			https://en.wikipedia.org/wiki/Hispano-Suiza_HS.404	
			https://wiki.warthunder.com/Marder_1A3#Ammunition	
			https://old.weaponsystems.net/weaponsystem/I104%20mm	
			http://www.navweaps.com/Weapons/WNGER_20mm-E.html	
			http://www.navweaps.com/Weapons/WNGER_20mm-F.html	
			https://wiki.warthunder.com/Marder_1A3	
			https://military-history.fandom.com/wiki/Hispano-Suiz	
			https://military-history.fandom.com/wiki/Hispano-Suiz	
			https://netherlandsnavy.nl/Flak_Oer20.htm	
			https://wiki.warthunder.com/Ratel_20#Ammunition	
			https://en.wikipedia.org/wiki/Denel_Land_Systems_GI-	



[https://wiki.warthunder.com/M242_\(25_mm\)](https://wiki.warthunder.com/M242_(25_mm))

https://wiki.warthunder.com/M3A3_Bradley

https://wiki.warthunder.com/SIDAM_25

https://wiki.warthunder.com/SIDAM_25#Main_armament



<https://wikimili.com/en/WZ-551>

<https://wiki.warthunder.com/ZSD63>

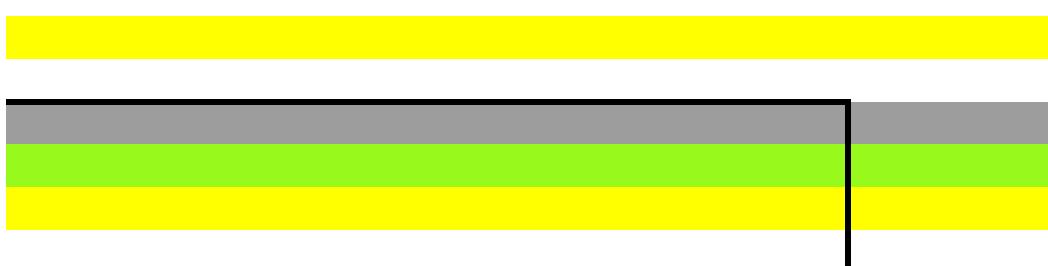


<https://weaponsystems.net/system/474-25mm+2M-3>

<https://baike.baidu.com/item/61%E5%BC%8F%E5%8F%8C>



[https://wiki.warthunder.com/2A42_\(30_mm\)](https://wiki.warthunder.com/2A42_(30_mm))



https://wiki.warthunder.com/Type_89

https://wiki.warthunder.com/Ystervark#Main_armament
<https://tanks-encyclopedia.com/category/south-african>

<https://www.saairforce.co.za/the-airforce/weapons/42/>

[https://wiki.warthunder.com/GIAT_M.621_\(20_mm\)](https://wiki.warthunder.com/GIAT_M.621_(20_mm))

https://military.wikia.org/wiki/M197_electric_cannon#cannons

[https://wiki.warthunder.com/NS-23_\(23_mm\)](https://wiki.warthunder.com/NS-23_(23_mm))

<https://old.weaponsystems.net/weaponsystem/HH13%20mm>

https://pl.wikipedia.org/wiki/Dzia%C5%82ko_GSz-23

<https://zhidao.baidu.com/question/650291836453361>

[https://wiki.warthunder.com/M230E-1_\(30_mm\)](https://wiki.warthunder.com/M230E-1_(30_mm))

[https://wiki.warthunder.com/GIAT_M781_\(30_mm\)](https://wiki.warthunder.com/GIAT_M781_(30_mm))

[https://wiki.warthunder.com/GSh-30-2K_\(30_mm\)](https://wiki.warthunder.com/GSh-30-2K_(30_mm))

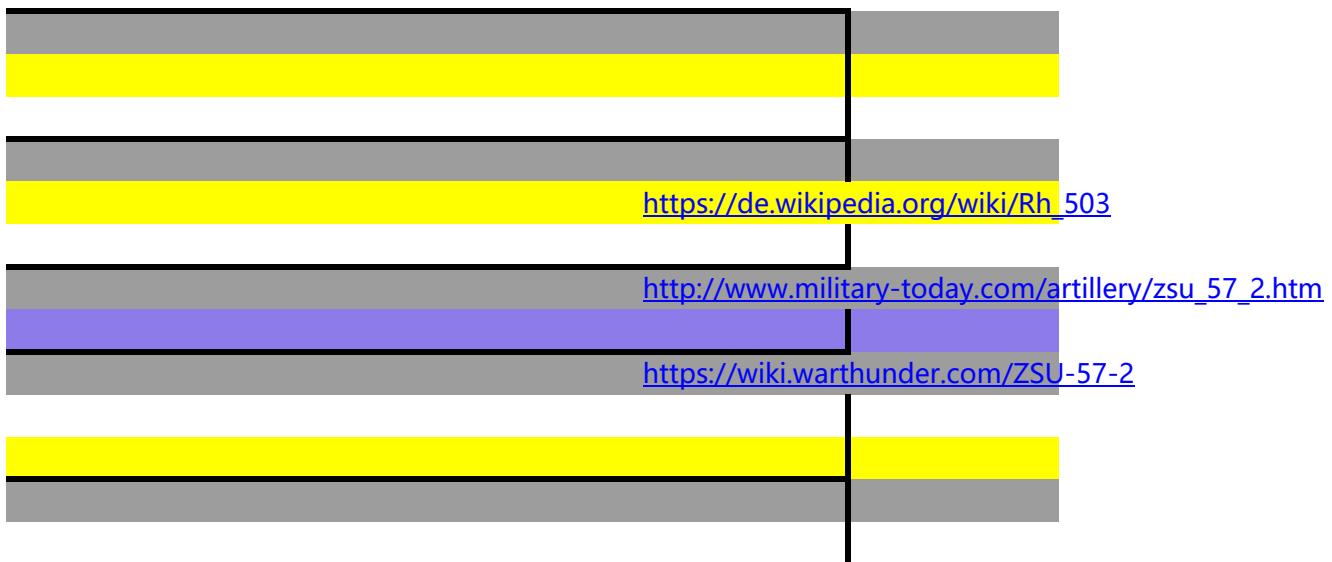
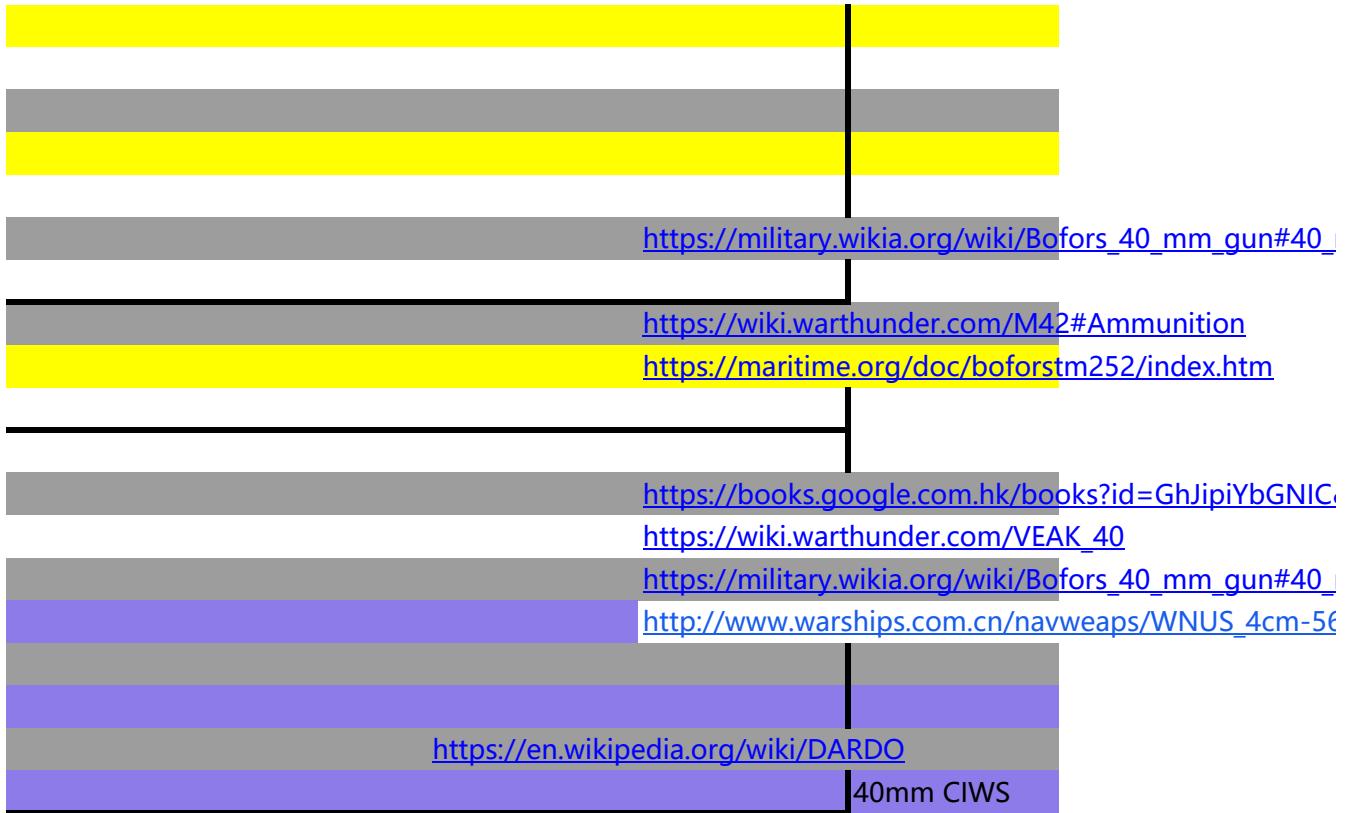
[https://forum.warthunder.com/index.php?/topic/5233:](https://forum.warthunder.com/index.php?/topic/5233)

https://wiki.warthunder.com/Ph%C3%B2ng_kh%C3%B2ng

https://k.sina.cn/article_6016001017_16694e3f902000t

37mm CIWS

https://wiki.warthunder.com/Strf_9040_BILL#Main_arm



2#:~:text=The%2020%20mm%20GI-2%20is%20a%20mounted%20monotube,device%20is%20available%20f

[&pg=PA36&lpg=PA36&dq=veak+40+rate+of+fire&source=bl&ots=r24TKnkDBs&sig=ACfU3U38jn0n5dIrrC](#)

[jX4jMVHSgIPVruBPA&hl=en&sa=X&ved=2ahUKEwif8sPdzqH0AhV3wjgGHXnODLMQ6AF6BAghEAI#v=onep](#)

[page&q&f=true](#)

武器名	新武器名	武器Hash值	新武器Hash值	备注	真实射速
M2 Browning				原版射速	500-600
M2 Browning				新射速	
M2 Browning				1 ins, used by N	
M2 Browning				1 ins, it's TWIN M2, change hash	
M2 Browning				1 ins, used by 1	
				8C345CC820000000	

GAU-8/A Avenger	A-10	
GAU-8/A Avenger	896E460000000000	有穿甲弹,38mm 4200, 1174 tot
GAU-12/A Equalizer	AV-8B HARRIER II	
GAU-12/A Equalizer	AA7BDFA6C424E	3600, 300 tot

M61A1 Vulcan		
M61A1 Vulcan	M61A1 Vulcan(L C271010000000 BBBC000000000000	1 ins, 飞机航炮, 46000r
M61A1 Vulcan	M61A1 Vulcan(E C271010000000 BBBC000000000001	1 ins, 飞机航炮, 30 acc

Twin M39A2	m39a2 gun, 20m	1500x2
Twin M39A2	C3A2101700000000	
Quad M39A2	F-100D	
Quad M39A2	453F2C0A71010000	

Quad m/49 Bofors	360r X4
Quad m/49 Bofors	
Twin Colt Mk 12	1000 X2
Twin Colt Mk 12	83505D794C370000
Quad Colt Mk 12	1000 X4
Quad Colt Mk 12	83505D794C370500

Hispano Mk.V		
Hispano Mk.V	Quad Hispano	850r

GSh-6-30	MiG-27	1000 X6
GSh-6-30	4740485D04000000	有穿甲弹
GSh-2-30	SU-25	1500 X2
GSh-2-30	4340485D04000000	有穿甲弹

GSh-301			1500
GSh-301	4240485D04000000	1 ins, 1 depre ins	
GIAT 30/719B			1500 or 2500
GIAT 30/719B	8A8078CB14010000		

ADEN 30		1200-1700
ADEN 30	Oerlikon KCA 01813DCE02000000	1350
ADEN 30		J 35F(1 ADEN CANNON removed)
ADEN 30	4240608FB3000000	1200(newer ver)
Twin ADEN 30		
Twin ADEN 30	4340608FB3000000	

DEFA 550		
DEFA 550	01B1408F03000000	2 ins, differ by U 1200r/1800r sele
Twin DEFA 550		
Twin DEFA 550	01B1408F33000000	2 ins, differ by UI and to Air rang

GSh-6-23		SU-24	1500 X6
GSh-6-23	C470485D04000000		
Gsh-23L		MiG-21/23	900X2 X2
Gsh-23L	Gsh-23L(Air) C4D0450000000 BBBC000000000002	helicopter gun name conflit	
Twin Gsh-23		J-22 ORAO	900X2 X4
Twin Gsh-23	C4D0450300000000		
Type 23-II		B-5	1250 x2
Type 23-II	1516105217010000		

Mauser BK-27		1700+-100
Mauser BK-27	C85031377E010000	1 ins, 飞机航炮, differ in ROF, it's
Mauser BK-27		
Mauser BK-27	Twin Mauser BK C85031377E010 BBBC000000000003	1 ins, 飞机航炮

NR-23		650
NR-23	Twin NR-23 C4C0610000000000	1 ins, 1 depre, J-5
Twin Type 23		(type 23 == NR-23)
Twin Type 23	B3CE1243ED7B0000	J-8
NR-30		850-1000
NR-30	01C1610000000000	2 ins, differ by ROF
NR-30	Twin NR-30 01C16100000000 BBBC000000000004	Q-5
N-37		J-5 400r
N-37	0881010000000000	

链接	原版武器类型	原版武器子类型	武器Hash值即唯一性	原版初速度	原版对地射程(m)
				1050	
to Dual M2				1225	
				1050	

https://military.wikia.org/wiki/Fairchild_A-10_Thunderbolt_II

<http://pewpewpew.work/usa/mg/vulcan/gau8.htr> Y

https://military.wikia.org/wiki/GAU-12_Equalizer

https://military.wikia.org/wiki/M39_cannon

Y

Y

https://military.wikia.org/wiki/M/40_Automatic_cannon

Y

Y

https://military.wikia.org/wiki/Colt_Mk_12_ca Y

https://military.wikia.org/wiki/English_Electric_Canberra#Specifications_.28Canberra_B6.29

https://military.wikia.org/wiki/Hispano-Suiza_HS.4 Y

https://military.wikia.org/wiki/Gryazev-Shipunov_GSh-6-30

https://military.wikia.org/wiki/Gryazev-Shipunov_GSh-30-2

[REDACTED]
Y
https://military.wikia.org/wiki/GIAT_30

RAF

Y

https://es.wikipedia.org/wiki/Oerlikon_KCA
<http://www.loneflyer.com/2017/09/16/oerlikon-k> Y
https://military.wikia.org/wiki/ADEN_cannon

sion exist

Y

[REDACTED]
Y

https://military.wikia.org/wiki/DEFA_cannon

e

[REDACTED]
Y

https://military.wikia.org/wiki/Gryazev-Shipunov_GSh-23

300000

[REDACTED]
Y

[REDACTED]
Y

https://military.wikia.org/wiki/Mauser_BK-27

EUROFIGHTER

https://military.wikia.org/wiki/Nudelman-Rikhter_NR-23

[REDACTED]
Y

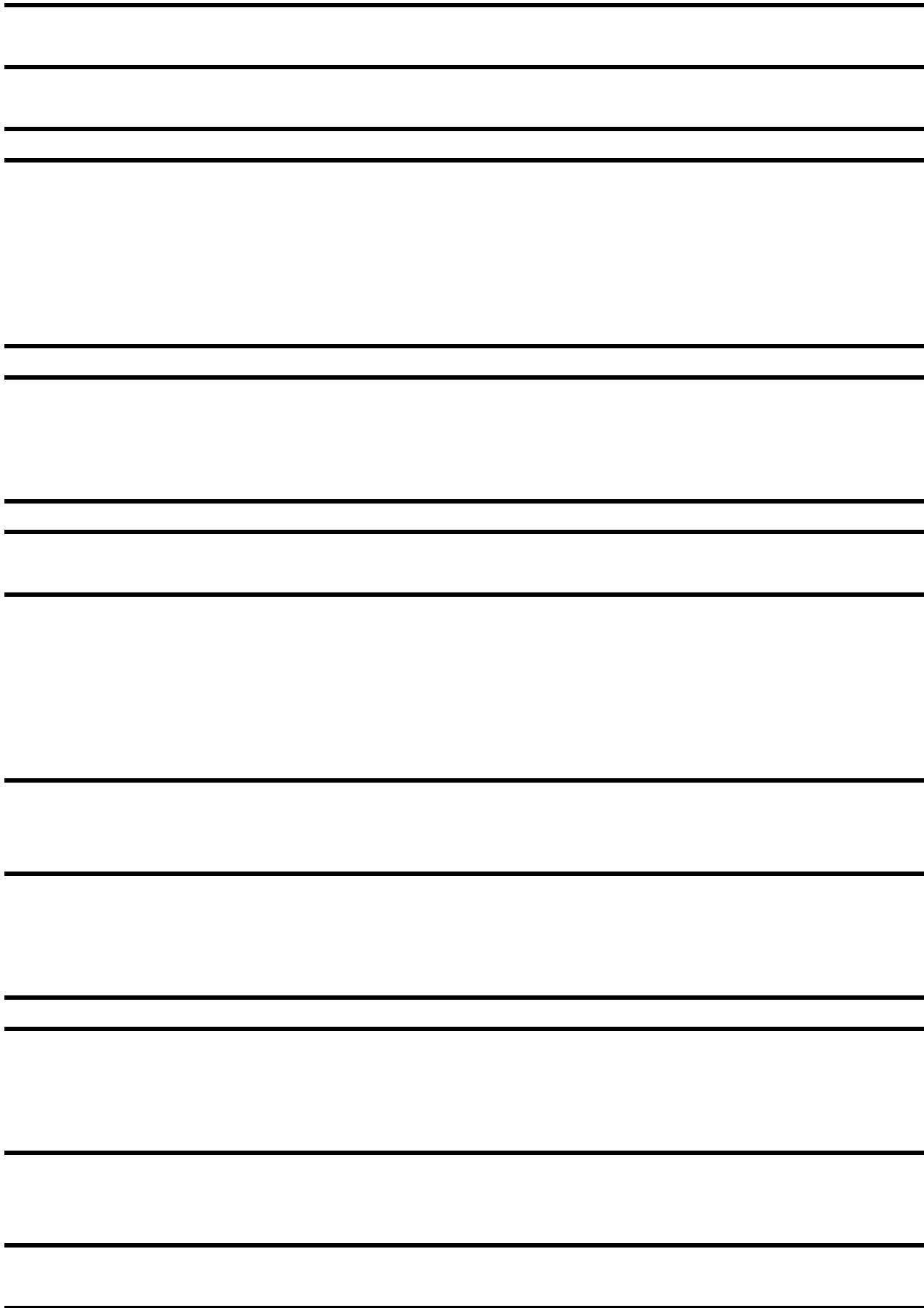
[REDACTED]
Y

https://military.wikia.org/wiki/Nudelman-Rikhter_NR-30

https://military.wikia.org/wiki/Nudelman_N-37

[REDACTED]
Y

原版对直升机射程(米)	原版KE	原版静止精度(%)	原版移动精度(%)	原版连发数
875	1225	1050	1050	1050
1225	875	1050	1050	1050
1050	1225	875	1050	1050



原版面板连发数	原版短装填	原版长装填	N:1比例	连发数	面板连发数
			10	10	100
			4	25	100
				#DIV/0!	
				#DIV/0!	
				#DIV/0!	
			39	10	390
			1	140	140
			39	10	390
			1	100	100
			18.8	10	188
			1	188	188
			1	188	188
			7	10	70
			1	70	70
			9.066666667	15	136
			1	136	136
			10	10	100
			1	100	100
			5	10	50
			1	50	50
			9.066666667	15	136
			1	136	136
			9.066666667	15	136
			1	136	136
			10	15	150
			1	150	150
			5	10	50
			1	50	50

	2.5	10	25
	1	25	25
	1	10	10
	1	10	10
	2.6	10	26
	1	26	26
	2.5	10	25
	1	25	25
	5	10	50
	1	50	50
	2.5	10	25
	1	25	25
	5	10	50
	1	50	50
	10	10	100
	1	100	100
	5	10	50
	1	50	50
	4	10	40
	1	40	40
	5	10	50
	1	50	50

30	3	10	30
	1	30	30
	6	10	60
60	1	60	60
	4	10	40
	1	40	40
	2.5	10	25
	1	25	25
	2.733333333	15	41
25	1	25	25
41	1	41	41
	4	5	20
	1	20	20

7.62, 5: 1

短装填	长装填	实际射速	面板爆发射速	面板射速	真实射速
0.8	2	65.2173913	750	652.173913	500-600
0.43	5	97.91122715	558.1395349	391.6449086	

0.2	2	157.8947368	11700	6157.894737
0.014285714	2	2107.526882	4200	2107.526882 4200, 1174 tot
0.2	2	157.8947368	11700	6157.894737
0.016666667	0.2	3243.243243	3600	3243.243243 3600, 300 tot

0.2	1	214.2857143	5640	4028.571429
0.01	0.2	5449.275362	6000	5449.275362 6000r
0.01	0.2		6000	

0.2	1	214.2857143	2100	1500 1500x2
0.02	0.2	2658.227848	3000	2658.227848
0.2	1	236.8421053	2720	2147.368421
0.01	0.2	5264.516129	6000	5264.516129

0.2	1	214.2857143	3000	2142.857143 360r X4
0.02	0.2	2752.293578	3000	2752.293578
0.2	1	214.2857143	1500	1071.428571 1000 X2
0.033333333	0.2	1636.363636	1800	1636.363636
0.2	1	236.8421053	2720	2147.368421 1000 X4
0.015384615	0.2	3583.783784	3900	3583.783784
0.2	1	236.8421053	2720	2147.368421
0.018181818	0.2	3073.972603	3300	3073.972603 850r

0.6	2	86.53846154	1000	865.3846154 1000 X6
0.01	0.2	5325.443787	6000	5325.443787
0.2	2	157.8947368	1500	789.4736842 1500 X2
0.02	0.2	2542.372881	3000	2542.372881

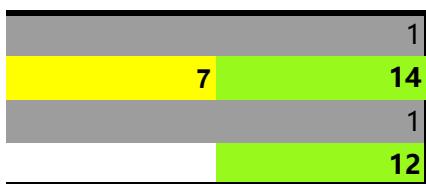
0.4	2	107.1428571	375	267.8571429	1500
0.04	0.2	1293.103448	1500	1293.103448	
0.4	1	130.4347826	150	130.4347826	1500 or 2500
0.025	0.2	1411.764706	2400	1411.764706	
0.2	1	214.2857143	780	557.1428571	1200-1700
0.05	0.2	1075.862069	1200	1075.862069	1350
0.4	1	130.4347826	375	326.0869565	
0.05	0.2	1071.428571	1200	1071.428571	1200(newer ver)
0.2	1	214.2857143	1500	1071.428571	
0.025	0.2	2105.263158	2400	2105.263158	
0.4	1	130.4347826	375	326.0869565	
0.033333333	0.2	1500	1800	1500	1200r/1800r sele
0.2	1	214.2857143	1500	1071.428571	
0.016666667	0.2	2950.819672	3600	2950.819672	
0.2	2	157.8947368	3000	1578.947368	1500 X6
0.006666667	0.2	6976.744186	9000	6976.744186	
0.2	1	214.2857143	1500	1071.428571	900X2 X2
0.016666667	0.2	2950.819672	3600	2950.819672	
0.2	1	214.2857143	1200	857.1428571	900X2 X4
0.008333333	0.2	4571.428571	7200	4571.428571	
0.2	2	157.8947368	1500	789.4736842	1250 x2
0.025	0.2	2105.263158	2400	2105.263158	

0.4	1	130.4347826	450	391.3043478	1700+-100
0.033333333	0.2	1542.857143	1800	1542.857143	
0.2	1	214.2857143	1800	1285.714286	
0.016666667	0.2	3042.253521	3600	3042.253521	

0.2	1	214.2857143	1200	857.1428571	600 ish
0.05	0.2	1116.27907	1200	1116.27907	
0.2	1	214.2857143	750	535.7142857	
0.05	0.2	1071.428571	1200	1071.428571	
0.2	1	236.8421053	820	647.3684211	850-1000
0.066666667	0.2	833.3333333	900	833.3333333	
0.066666667	0.2	858.1395349	900	858.1395349	
0.2	2	107.1428571	1200	428.5714286	400r
0.2	0.2	300	300	300	

基础齐射数	齐射数

短装填Fx	散布角	单发现实装药(k)
0.2		
0.1		



0.005	0.02
0.014285	0.015
0.005	
0.016	0.025



0.02
0.01
0.01



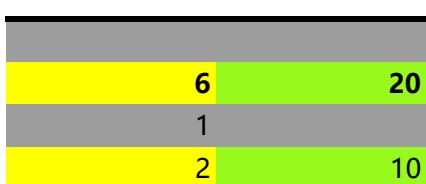
0.1	0.02
0.02	0.02
0.05	
0.01	0.02



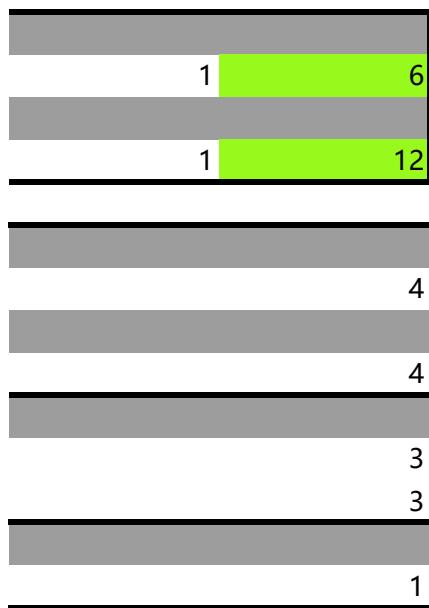
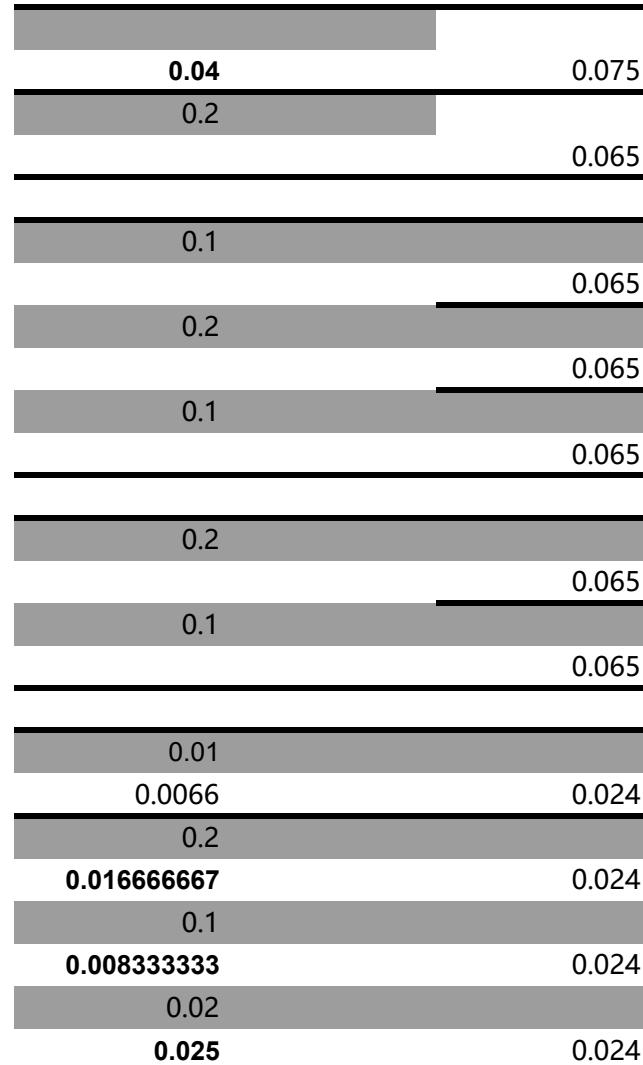
0.1
0.02
0.15
0.033
0.05



0.05
0.018



0.01
0.075
0.02
0.075



现实装药(kg)	HE	HE半径	压制	压制半径	修正系数
			65	65	
0.065	1.5	33	76	66	
0.025	1.1	24	55	48	
0	0	0	0	0	
0.02	1.0	22	51	45	
0.02	1.0	22	51	45	
0.02	1.0	22	51	45	
0.02	1.0	22	51	45	
0.02	1.0	22	51	45	
0.02	1.0	22	51	45	
0.02	1.0	22	51	45	
0.075	1.5	35	80	69	
0.075	1.5	35	80	69	

0.075	1.5	35	80	69
0.065	1.5	33	76	66
0.065	1.5	33	76	66
0.065	1.5	33	76	66
0.065	1.5	33	76	66
0.065	1.5	33	76	66
0.065	1.5	33	76	66
0.024	1.1	24	55	47
0.024	1.1	24	55	47
0.024	1.1	24	55	47
0.024	1.1	24	55	47
0.035	1.2	27	62	54
0.035	1.2	27	62	54
0.024	1.1	24	55	47
0.024	1.1	24	55	47
0.075	1.5	35	80	69
0.075	1.5	35	80	69
0.08	1.6	35	82	71

对地射程(km)	最小对地射程(km)	对直升机射程(km)	原精度	静止精度(%)	移动精度(%)
	1.5		1.4		

3.5	40	40	10	10
3	40	40	10	10
2.5	40	40	15	15
2.5	30	30	10	10
2.5	30	30	15	15
2.5	20	20	5	5
2.5	20	20	20	20
2.5	20	20	5	5
2.5	20	20	5	5
3.5	30	30	10	10
3.5	30	30	15	15

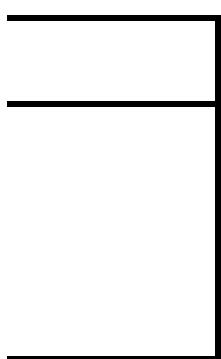
		40		
2.5		40	30	30
		40		
2.5		40		
		50		
2.5		50	40	40
		30		
2.5		30	20	20
		30		
2.5		30	15	15
		30 and 40		
2.5		30 / 40	25	25
		40		
2.5		40	25	25
		30		
2.5		30	10	10
		30		
2.5		30	15	15
		30		
2.5		30	15	15
		30		
2.5		30	15	15
		35		
2.5		35	20	20
		35		
2.5		35	20	20
		20		
2.5		20	5	5
		25		
2.5		25	15	15
		20		
2.5		20	10	10
		20		
2.5		20	10	10
		20		
2.5		20	5	5

Type	Arme	备注	瞄准时间	弹链补给量	初速度	火

5mil, 80 percent, test single acc 10%, convert to 2:1 acc

8 mil, covert to 3.33:1 acc

武器类型	UI格子优先级	武器管理器名	武器管理器Salvo	武器管理器Salvo	链接
高爆		A10_Thunderbo	0	8	https://military.v
					http://www.milit
高爆					
高爆					





ary.cz/usa/air/in_service/weapons/cannons/gau8/gau8_en.htm

WeaponT	武器名	武器Hash	原版GUI	WeaponD	WeaponF	WeaponK	WeaponH	Sta	Acc	Mov	Acc	Caliber
Main Gun HEAT: Sh	BBE0000C 00000000C	HEAT		7			1	0.25	0.05	152mm	H	
Main Gun 2A15 Nor	4120ECF4 00000000C	KE			13		1	0.5	0.25	100mm		
Main Gun 2A15 Nor	4120ECF4 00000000C	HE					3	0.4	0.15	100mm		
Main Gun HEAT: 2A	BBE0000C 00000000C	HEAT		16			1	0.15	0.05	152mm	H	
Main Gun 2A18	89B00C0C 00000000C	HEAT		9			1	0.15	0.05	122mm	H	
Main Gun 2A60 HEA	BBBD000I 00000000C	HEAT		14			1	0.25	0.05	120mm	H	
Main Gun D-22	C3E0000C 00000000C	KE			12		1	0.15	0.05	152mm		
Main Gun 2A51 HEA	BBBD000I 00000000C	HEAT		14			1	0.2	0.05	120mm	H	
Main Gun HB 60 HE	BBBD000I 00000000C	HEAT		4			1	0.3	0.05	60mm	HE	
Main Gun AMOS HE	BBBD000I 00000000C	HEAT		14			1	0.25	0.05	120mm	H	
Main Gun FL12	BBC0000C 00000000C	KE			10		1	0.4	0.05	105mm		
Main Gun FL12	8360410I 00000000C	HE					4	0.35	0.05	105mm		
Main Gun FL15	BBC0000C 00000000C	KE			12		1	0.5	0.05	105mm		
Main Gun FL15	8660410I 00000000C	HE					4	0.4	0.05	105mm		
Main Gun MECA L/4	BBC0000C 00000000C	KE			12		1	0.55	0.05	105mm		
Main Gun MECA L/4	F46CA24E 00000000C	HE					4	0.45	0.05	105mm		
Main Gun OCC 105 I	BBC0000C 00000000C	HEAT		16			1	0.45	0.05	105mm		
Main Gun MECA L/4	F46CA24E 00000000C	HE					4	0.45	0.05	105mm		
Main Gun F3	BBC0000C 00000000C	HEAT		8			1	0.4	0.05	90mm	HE	
Main Gun F3	0414280I 00000000C	HE					3	0.35	0.05	90mm		
Main Gun SA.50	BBC0000C 00000000C	KE			6		1	0.35	0.05	75mm		
Main Gun SA.50	81B1740E 00000000C	HE					2	0.35	0.05	75mm		
Main Gun F1	BBC0000C 00000000C	HEAT		9			1	0.45	0.05	105mm	H	
Main Gun F1	0214280I 00000000C	HE					4	0.4	0.05	105mm		
Main Gun F1	BBC0000C 00000000C	KE			12		1	0.65	0.05	105mm		
Main Gun F1	0214280I 00000000C	HE					4	0.5	0.05	105mm		
Main Gun F1	BBC0000C 00000000C	HEAT		9			1	0.45	0.05	105mm	H	
Main Gun F1	0214280I 00000000C	HE					4	0.4	0.05	105mm		
Main Gun OCC 105 I	BBC0000C 00000000C	HEAT		17			1	0.55	0.05	105mm		
Main Gun F1	0214280I 00000000C	HE					4	0.55	0.05	105mm		
Main Gun OCC 120 I	BBB0000C 00000000C	HEAT		19			1	0.55	0.2	120mm		
Main Gun CN120-25	C12080120000000C	HE					3.5	0.55	0.2	120mm		
Main Gun DM12A1:	BBB0000C 00000000C	HEAT		21			1	0.55	0.2	120mm		
Main Gun GCT F1	AFDA62188I 00000000C	KE			14		1	0.15	0.05	155mm		
Main Gun KE: L31	BBE0000C 00000000C	KE			16		1	0.2	0.05	155mm		
Main Gun D-70	01E2000C 00000000C	KE			9		1	0.3	0.05	85mm		
Main Gun D-70	01E2000C 00000000C	HE					3	0.25	0.05	85mm		
Main Gun BS-3	44C704810000000C	KE			13		1	0.45	0.05	103mm		
Main Gun BS-3	44C704810000000C	HE					3	0.4	0.05	103mm		
Main Gun L23A1	0702651C 00000000C	HEAT		10			1	0.3	0.05	76mm	HE	
Main Gun L23A1	0702651C 00000000C	HE					2	0.25	0.05	76mm		
Main Gun PG-9VNT:	BBC0000C 00000000C	HEAT		20			1	0.35	0.05	73mm	HE	
Main Gun 2A28 Gro	327D47C0 00000000C	HE					3.5			73mm		
Main Gun PG-9VNT:	BBC0000C 00000000C	HEAT		20			1	0.35	0.05	73mm	HE	

Main Gun 2A28 Gro 327D47C	00000000	HE		3.5		73mm
Main Gun PG-9VNT: BBC0000	00000000	HEAT	20	1	0.35	0.05 73mm HE
Main Gun 2A28 Gro 327D47C	00000000	HE		3.5		73mm
Main Gun 2A48-1 BBC0000	00000000	KE	11	1	0.65	0.35 100mm
Main Gun 2A48-1 42522C	00000000	HE		3	0.5	0.2 100mm
Main Gun 3OF70: 2A01B20C	00000000	HE		6		100mm
Main Gun 2A62 C3B10C	00000000	KE	9	1	0.5	0.2 85mm
Main Gun 2A62 C3B10C	00000000	HE		3	0.4	0.1 85mm
Main Gun Shot Mk.3 BBC0000	00000000	KE	10	1	0.4	0.1 84mm
Main Gun QF 20-pdr 775A070	00000000	HE		3	0.35	0.05 84mm
Main Gun DM63: L7 BBB0000	00000000	KE	18	1	0.55	0.45 105mm
Main Gun L7A3 F46CA2C	00000000	HE		4	0.55	0.45 105mm
Main Gun L23: L11 BBC0000	00000000	KE	16	1	0.55	0.35 120mm
Main Gun L31A7: L1 B3891A8	00000000	HE		5	0.5	0.3 120mm
Main Gun 3BM3: 2A BBC0000	00000000	KE	14	1	0.4	0.1 115mm
Main Gun 2A20 C1B00C	00000000	HE		4	0.35	0.05 115mm
Main Gun DM13: L7 BBC0000	00000000	KE	14	1	0.6	0.45 105mm
Main Gun L7A3 F46CA2C	00000000	HE		4	0.45	0.3 105mm
Main Gun L44 BBC0000	00000000	KE	16	1	0.6	0.5 120mm
Main Gun L44 333D9B6	00000000	HE		3.5	0.5	0.4 120mm
Main Gun M41 BBC0000	00000000	KE	8	1	0.4	0.05 90mm
Main Gun M41 4271050	00000000	HE		3	0.4	0.05 90mm
Main Gun M392: M1 BBC0000	00000000	KE	12	1	0.45	0.05 105mm
Main Gun M68 333D9B6	00000000	HE		4	0.4	0.05 105mm
Main Gun M392: M1 BBC0000	00000000	KE	12	1	0.45	0.05 105mm
Main Gun M68 333D9B6	00000000	HE		4	0.4	0.05 105mm
Main Gun M728: L/1 BBC0000	00000000	KE	12	1	0.45	0.05 105mm
Main Gun L/62 C361010	00000000	HE		4	0.4	0.05 105mm
Main Gun Br-412D: BBC0000	00000000	KE	11	1	0.4	0.15 100mm
Main Gun D-10T 5E20380	00000000	HE		3	0.35	0.1 100mm
Main Gun 3BM9: 2A BBC0000	00000000	KE	14	1	0.45	0.25 125mm
Main Gun 2A26 C7B00C	00000000	HE		4	0.4	0.2 125mm
Main Gun 3BM32: 2 BBB0000	00000000	KE	21	1	0.5	0.4 125mm
Main Gun 2A46M D7512C	00000000	HE		4	0.5	0.3 125mm
Main Gun T69-II BBC0000	00000000	KE	10	1	0.4	0.15 100mm
Main Gun T69-II 8AE105810000000	00000000	HE		3	0.35	0.1 100mm
Main Gun Type 75: 1BBC0000	00000000	HEAT	12	1	0.5	0.35 105mm H
Main Gun L7A3 F46CA2C	00000000	HE		4	0.4	0.25 105mm
Main Gun Br-412D: BBC0000	00000000	KE	11	1	0.3	0.1 100mm
Main Gun D-10T 5E20380	00000000	HE		3	0.25	0.05 100mm
Main Gun M123E1: 06215C	00000000	HE		10		165mm
Main Gun Shot L36: BBC0000	00000000	KE	11	1	0.45	0.15 105mm
Main Gun L7 7A3EAB0I	00000000	HE		4	0.4	0.1 105mm
Main Gun DM13: L7 BBC0000	00000000	KE	14	1	0.55	0.25 105mm
Main Gun L7 7A3EAB0I	00000000	HE		4	0.45	0.15 105mm
Main Gun M392: L7 BBC0000	00000000	KE	12	1	0.45	0.15 105mm
Main Gun L7 7A3EAB0I	00000000	HE		4	0.4	0.1 105mm

Main Gun L23A1: L1 BBB0000(00000000 KE		18	1	0.5	0.35 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.5	0.35 120mm
Main Gun L26A1: L3 BBB0000(00000000 KE		23	1	0.6	0.55 120mm
Main Gun L31A7: L3 0161010(00000000 HE			5	0.6	0.55 120mm
Main Gun L26: L11A BBB0000(00000000 KE		22	1	0.55	0.4 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.55	0.4 120mm
Main Gun L26: L11A BBB0000(00000000 KE		22	1	0.55	0.4 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.55	0.4 120mm
Main Gun L26: L11A BBB0000(00000000 KE		22	1	0.5	0.3 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.5	0.3 120mm
Main Gun L15: L11 BBC0000(00000000 KE		13	1	0.5	0.2 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.4	0.1 120mm
Main Gun L15A3: L1 BBC0000(00000000 KE		14	1	0.6	0.35 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.45	0.2 120mm
Main Gun L26: L11A BBB0000(00000000 KE		22	1	0.5	0.05 120mm
Main Gun L31A7: L1 B3891A8(00000000 HE			5	0.5	0.05 120mm
Main Gun BK-15M: 2 BBB0000(00000000 HEAT	19		1	0.45	0.2 115mm
Main Gun 2A20 C1B00C0(00000000 HE			4	0.45	0.2 115mm
Main Gun 3BM28: 2 BBC0000(00000000 KE		17	1	0.45	0.1 115mm
Main Gun 2A20 C1B00C0(00000000 HE			4	0.4	0.05 115mm
Main Gun BK-4M: 2 BBB0000(00000000 HEAT	18		1	0.4	0.15 115mm
Main Gun 2A20 C1B00C0(00000000 HE			4	0.4	0.15 115mm
Main Gun F4 BBC0000(00000000 KE		11	1	0.5	0.05 90mm
Main Gun F4 0514280(00000000 HE			3	0.4	0.05 90mm
Main Gun K1 HEAT BBB0000(00000000 HEAT	4		1	0.3	0.05 60mm HE
Main Gun GT-2 BBC0000(00000000 HEAT	8		1	0.4	0.05 90mm HE
Main Gun GT-2 CC23798F00000000 HE			3	0.35	0.05 90mm
Main Gun Cockerill I BBC0000(00000000 KE		13	1	0.55	0.05 90mm
Main Gun Cockerill I 097CC12E00000000 HE			3	0.45	0.05 90mm
Main Gun KE: L13A1 BBE0000(00000000 KE		8	1	0.15	0.05 105mm
Main Gun L5A1 BBC0000(00000000 HEAT	7		1	0.35	0.05 76mm HE
Main Gun L5A1 8675200(00000000 HE			2	0.35	0.05 76mm
Main Gun L28 BBC0000(00000000 HEAT	7		1	0.2	0.05 105mm H
Main Gun L28 C960010C00000000 HE			4	0.15	0.05 105mm
Main Gun Rh-105-1: BBC0000(00000000 KE		16	1	0.6	0.35 105mm
Main Gun Rh-105-1: 8260044200000000 HE			4	0.45	0.2 105mm
Main Gun Kv-90S73 BBC0000(00000000 HEAT	11		1	0.45	0.25 90mm HE
Main Gun Kv-90S73 5DA0EC100000000 HE			3	0.4	0.2 90mm
Main Gun D1504 BBC0000(00000000 HEAT	9		1	0.45	0.05 105mm H
Main Gun D1504 B329DF600000000 HE			4	0.4	0.05 105mm
Main Gun M829A1: BBB0000(00000000 KE		25	1	0.55	0.45 120mm
Main Gun KM256 87315C1500000000 HE			3.5	0.55	0.45 120mm
Main Gun DM33: KN BBC0000(00000000 KE		17	1	0.5	0.4 105mm
Main Gun KM68A1 C2921C500000000 HE			4	0.5	0.4 105mm
Main Gun L44 BBC0000(00000000 KE	15		1	0.5	0.45 120mm
Main Gun L44 333D9B600000000 HE			3.5	0.4	0.35 120mm
Main Gun M41 BBC0000(00000000 KE	9		1	0.45	0.05 90mm

Main Gun M41	4271050\0000000\ HE		3	0.4	0.05	90mm
Main Gun Shot L36: BBC0000\0000000\ KE		12	1	0.45	0.05	105mm
Main Gun L7	7A3EAB0\0000000\ HE		4	0.4	0.05	105mm
Main Gun BK 90/L4\8152310\0000000\ HEAT		10	1	0.3	0.05	90mm HE
Main Gun BK 90/L4\8152310\0000000\ HE			3	0.25	0.05	90mm
Main Gun 3BM8: D- BBC0000\0000000\ KE		13	1	0.5	0.15	100mm
Main Gun D-10T	5E20380\0000000\ HE		3	0.4	0.05	100mm
Main Gun 3BM25: D BBC0000\0000000\ KE		15	1	0.5	0.15	100mm
Main Gun D-10T	5E20380\0000000\ HE		3	0.4	0.05	100mm
Main Gun 3BM12: 2 BBC0000\0000000\ KE		15	1	0.5	0.35	125mm
Main Gun 2A46	47B10C0\0000000\ HE		4	0.4	0.25	125mm
Main Gun 3BM42: 2 BBB0000\0000000\ KE		19	1	0.4	0.25	125mm
Main Gun 2A46	47B10C0\0000000\ HE		4	0.4	0.25	125mm
Main Gun OFL 120 \ BBB0000\0000000\ KE		23	1	0.6	0.6	120mm
Main Gun GIAT 120 C12078CE\0000000\ HE			3.5	0.6	0.6	120mm
Main Gun Shot L36: BBC0000\0000000\ KE		12	1	0.45	0.35	105mm
Main Gun L7A3	F46CA2C\0000000\ HE		4	0.4	0.3	105mm
Main Gun Shot L36: BBC0000\0000000\ KE		12	1	0.45	0.35	105mm
Main Gun L7A3	F46CA2C\0000000\ HE		4	0.4	0.3	105mm
Main Gun M728: L7 BBC0000\0000000\ KE		12	1	0.6	0.45	105mm
Main Gun L7A3	F46CA2C\0000000\ HE		4	0.45	0.3	105mm
Main Gun DM33: L7 BBC0000\0000000\ KE		17	1	0.55	0.4	105mm
Main Gun L7A3	F46CA2C\0000000\ HE		4	0.55	0.4	105mm
Main Gun DM23A1: BBB0000\0000000\ KE		19	1	0.55	0.45	120mm
Main Gun L44	333D9B6\0000000\ HE		3.5	0.55	0.45	120mm
Main Gun DM33: L4 BBB0000\0000000\ KE		21	1	0.55	0.5	120mm
Main Gun L44	333D9B6\0000000\ HE		3.5	0.55	0.5	120mm
Main Gun DM23: L7 BBC0000\0000000\ KE		15	1	0.65	0.5	105mm
Main Gun KE-W: L4\ BBB0000\0000000\ KE		22	1	0.55	0.5	120mm
Main Gun DM33A1: BBB0000\0000000\ KE		24	1	0.6	0.55	120mm
Main Gun L44	333D9B6\0000000\ HE		3.5	0.6	0.55	120mm
Main Gun DM33: L7 BBC0000\0000000\ KE		17	1	0.55	0.4	105mm
Main Gun DM63: L7 BBB0000\0000000\ KE		18	1	0.55	0.4	105mm
Main Gun DM23: L7 BBC0000\0000000\ KE		16	1	0.45	0.35	105mm
Main Gun L7A3	F46CA2C\0000000\ HE		4	0.4	0.3	105mm
Main Gun M392: M\BBC0000\0000000\ KE		12	1	0.45	0.35	105mm
Main Gun KE-WA1: \ BBB0000\0000000\ KE		24	1	0.6	0.4	120mm
Main Gun LEW 120 22D5645\0000000\ HE			5	0.6	0.4	120mm
Main Gun M1A2	BBC0000\0000000\ KE	6	1	0.5	0.05	76mm
Main Gun M1A2	C3225C0\0000000\ HE		2	0.5	0.05	76mm
Main Gun M829: M\ BBB0000\0000000\ KE		21	1	0.55	0.5	120mm
Main Gun M256	F46CA28\0000000\ HE		3.5	0.55	0.5	120mm
Main Gun M829A1: BBB0000\0000000\ KE		25	1	0.55	0.5	120mm
Main Gun M256	F46CA28\0000000\ HE		3.5	0.55	0.5	120mm
Main Gun M829: M\ BBB0000\0000000\ KE		21	1	0.55	0.5	120mm
Main Gun M829A1: BBB0000\0000000\ KE		25	1	0.6	0.55	120mm
Main Gun M256	F46CA28\0000000\ HE		3.5	0.6	0.55	120mm

Main Gun M111: M	BBC0000(00000000 KE		16	1	0.65	0.5	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.5	0.35	105mm
Main Gun M392A2	BBC0000(00000000 KE		14	1	0.65	0.5	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.5	0.35	105mm
Main Gun M6	BBC0000(00000000 KE		4	1	0.4	0.05	75mm
Main Gun M6	C705000(00000000 HE			2	0.4	0.05	75mm
Main Gun M3	BBC0000(00000000 KE		8	1	0.4	0.05	90mm
Main Gun M3	C425CB8(00000000 HE			3	0.35	0.05	90mm
Main Gun M32	BBC0000(00000000 KE		8	1	0.4	0.1	76mm
Main Gun M32	0371010(00000000 HE			2	0.4	0.1	76mm
Main Gun M32	BBC0000(00000000 KE		10	1	0.6	0.1	76mm
Main Gun M32	0371010(00000000 HE			2	0.6	0.1	76mm
Main Gun M36	BBC0000(00000000 KE		8	1	0.4	0.05	90mm
Main Gun M36	0771050(00000000 HE			3	0.4	0.05	90mm
Main Gun M392A2	BBC0000(00000000 KE		14	1	0.45	0.05	105mm
Main Gun M68	333D9B6(00000000 HE			4	0.4	0.05	105mm
Main Gun M392: M	BBC0000(00000000 KE		12	1	0.45	0.05	105mm
Main Gun M68	333D9B6(00000000 HE			4	0.4	0.05	105mm
Main Gun DM63: M	BBB0000(00000000 KE		18	1	0.35	0.05	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.35	0.05	105mm
Main Gun M81	B3890AC(00000000 HEAT	11		1	0.4	0.2	152mm H
Main Gun M81	B3890AC(00000000 HE			4	0.35	0.15	152mm
Main Gun M728: M	BBC0000(00000000 KE		13	1	0.45	0.25	105mm
Main Gun M68	333D9B6(00000000 HE			4	0.4	0.2	105mm
Main Gun M735: M	BBC0000(00000000 KE		16	1	0.6	0.3	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.5	0.2	105mm
Main Gun M81E1	B3890A4(00000000 HEAT	11		1	0.45	0.15	152mm H
Main Gun M81E1	B3890A4(00000000 HE			4	0.4	0.1	152mm
Main Gun M392A2	BBC0000(00000000 KE		14	1	0.6	0.3	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.45	0.15	105mm
Main Gun M111: M	BBC0000(00000000 KE		16	1	0.6	0.4	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.45	0.25	105mm
Main Gun 3BM22: 2	BBC0000(00000000 KE		17	1	0.5	0.45	125mm
Main Gun 2A46M	D7512C0(00000000 HE			4	0.5	0.45	125mm
Main Gun 3BM32: 2	BBB0000(00000000 KE		21	1	0.55	0.5	125mm
Main Gun 2A46M	D7512C0(00000000 HE			4	0.55	0.5	125mm
Main Gun M900: XN	BBB0000(00000000 KE		23	1	0.55	0.5	105mm
Main Gun XM-35	0671890(00000000 HE			4	0.55	0.5	105mm
Main Gun M6	C725CB0(00000000 KE		2	1	0.3	0.05	37mm
Main Gun M6	C725CB0(00000000 HE			2	0.3	0.05	37mm
Main Gun 3BM42M	BBB0000(00000000 KE		23	1	0.6	0.55	125mm
Main Gun 2A46M	D7512C0(00000000 HE			4	0.6	0.55	125mm
Main Gun 3BM32: 2	BBB0000(00000000 KE		21	1	0.6	0.55	125mm
Main Gun XM-150	BBC0000(00000000 HEAT	13		1	0.55	0.45	152mm H
Main Gun XM-150	B389068(00000000 HE			4	0.45	0.35	152mm
Main Gun M111: M	BBC0000(00000000 KE		16	1	0.5	0.25	105mm
Main Gun M68A1	B3890A4(00000000 HE			4	0.4	0.15	105mm

Main Gun M426: M	BBB000000000000 KE		18	1	0.5	0.3	105mm
Main Gun M68A1	B3890A400000000 HE			4	0.5	0.35	105mm
Main Gun M426: M	BBB000000000000 KE		18	1	0.55	0.4	105mm
Main Gun M68A1	B3890A400000000 HE			4	0.55	0.4	105mm
Main Gun DM23: L7	BBC000000000000 KE		16	1	0.4	0.05	105mm
Main Gun L7A3	F46CA2C400000000 HE			4	0.35	0.05	105mm
Main Gun KE-W: M	CBBB000000000000 KE		22	1	0.55	0.5	120mm
Main Gun MG151	8221441000000000 HE			3.5	0.55	0.5	120mm
Main Gun KE-WA1: I	BBB000000000000 KE		24	1	0.55	0.55	120mm
Main Gun MG151	8221441000000000 HE			3.5	0.55	0.55	120mm
Main Gun D/925	BBC000000000000 HEAT	10		1	0.4	0.05	90mm HE
Main Gun D/925	C6A038000000000 HE			3	0.35	0.05	90mm
Main Gun Shot L28A	BBC000000000000 KE		14	1	0.45	0.2	105mm
Main Gun L7A3	F46CA2C400000000 HE			4	0.35	0.1	105mm
Main Gun DM63: L7	BBB000000000000 KE		18	1	0.5	0.25	105mm
Main Gun L7A3	F46CA2C400000000 HE			4	0.5	0.25	105mm
Main Gun DM33: L7	BBC000000000000 KE		17	1	0.5	0.25	105mm
Main Gun L7A3	F46CA2C400000000 HE			4	0.45	0.2	105mm
Main Gun Shot L36:	BBC000000000000 KE		11	1	0.35	0.1	105mm
Main Gun L7A3	F46CA2C400000000 HE			4	0.3	0.05	105mm
Main Gun ShKH-77	0822556000000000 HEAT	16		1	0.25	0.05	152mm H
Main Gun D-56T	BBC000000000000 HEAT	10		1	0.4	0.1	76mm HE
Main Gun D-56T	DE6138000000000 HE			2	0.4	0.1	76,2mm
Main Gun 3BM42M	BBB000000000000 KE		23	1	0.5	0.4	125mm
Main Gun 2A46M	D7512C000000000 HE			4	0.5	0.4	125mm
Main Gun PTZ89 II: I	BBB000000000000 KE		23	1	0.45	0.05	120mm
Main Gun BWK120	C120542100000000 HE			3.5	0.45	0.05	120mm
Main Gun D44	45E100000000000 KE		9	1	0.5	0.2	85mm
Main Gun D44	45E100000000000 HE			3	0.4	0.1	85mm
Main Gun D-45	BBC000000000000 KE		9	1	0.5	0.2	90mm
Main Gun D-45	46E100000000000 HE			3	0.4	0.1	90mm
Main Gun F1	BBC000000000000 HEAT	8		1	0.4	0.05	90mm HE
Main Gun F1	021428000000000 HE			3	0.35	0.05	90mm
Main Gun DM63: OI	BBB000000000000 KE		18	1	0.55	0.5	105mm
Main Gun OMC 105	5DF554900000000 HE			4	0.55	0.5	105mm
Main Gun GT-4	BBC000000000000 KE		12	1	0.65	0.6	76mm
Main Gun GT-4	20047A900000000 HE			2	0.5	0.45	76mm
Main Gun Br-412D:	BBC000000000000 KE		11	1	0.3	0.05	100mm
Main Gun D-10T	5E2038000000000 HE			3	0.25	0.05	100mm
Main Gun D-49	4AE100000000000 HEAT	7		1	0.25	0.05	122mm H
Main Gun D-49	4AE100000000000 HE			4	0.2	0.05	122mm
Main Gun PRAM vz.	43722D900000000 HE			3.5	0.01	0.01	120mm
Main Gun Soltam 15	AB1AD3600000000 KE		14	1	0.5	0.35	155mm
Main Gun M392:	MBBC000000000000 KE		11	1	0.35	0.1	105mm
Main Gun M68	333D9B600000000 HE			4	0.3	0.05	105mm
Main Gun M392A2	BBC000000000000 KE		14	1	0.5	0.15	105mm
Main Gun M68	333D9B600000000 HE			4	0.4	0.05	105mm

Main Gun DM33: L/	BBC000000000000 KE		17	1	0.5	0.05	105mm
Main Gun L/62	C36101000000000 HE			4	0.5	0.05	105mm
Main Gun DM63: L/	BBB000000000000 KE		18	1	0.55	0.05	105mm
Main Gun L/62	C36101000000000 HE			4	0.55	0.05	105mm
Main Gun DM33: L7	BBC000000000000 KE		17	1	0.6	0.3	105mm
Main Gun L7	7A3EAB0100000000 HE			4	0.6	0.3	105mm
Main Gun Slpprj m/!	BBB000000000000 KE		25	1	0.55	0.5	120mm
Main Gun StuK 40L/	4101F31500000000 KE		6	1	0.4	0.05	75mm
Main Gun StuK 40L/	4101F31500000000 HE			2	0.4	0.05	75mm
Main Gun slpprj m/	BBC000000000000 KE		13	1	0.6	0.2	105mm
Main Gun L7	7A3EAB0100000000 HE			4	0.45	0.05	105mm
Main Gun slpprj m/	BBC000000000000 KE		14	1	0.6	0.25	105mm
Main Gun L7	7A3EAB0100000000 HE			4	0.45	0.1	105mm
Main Gun ZIS-3 KE	BBBD000000000000 KE		7	1	0.2	0.05	76mm
Main Gun ZIS-3	4437910000000000 HE			3.5			76mm
Main Gun 3BK2M: S	BBC000000000000 HEAT	15		1	0.4	0.05	85mm HE
Main Gun S-53	84D101000000000 HE			3	0.4	0.05	85mm
Main Gun 3BK-5: D-	BBC000000000000 HEAT	17		1	0.6	0.3	100mm
Main Gun D-10T	5E20380000000000 HE			3	0.5	0.2	100mm
Main Gun 3BM25: D	BBC000000000000 KE		14	1	0.6	0.3	100mm
Main Gun 3BK-5: D-	BBC000000000000 HEAT	17		1	0.6	0.15	100mm
Main Gun D-10T	5E20380000000000 HE			3	0.5	0.05	100mm
Main Gun 3BM8: D-	BBC000000000000 KE		13	1	0.55	0.15	100mm
Main Gun D-10T	5E20380000000000 HE			3	0.45	0.05	100mm
Main Gun 3BM8: D-	BBC000000000000 KE		13	1	0.4	0.15	100mm
Main Gun D-10T	5E20380000000000 HE			3	0.35	0.1	100mm
Main Gun M1000A1	BBB000000000000 KE		18	1	0.5	0.05	100mm
Main Gun D-10T	5E20380000000000 HE			3	0.5	0.05	100mm
Main Gun 3BM4: 2A	BBC000000000000 KE		11	1	0.4	0.1	115mm
Main Gun 3BM3: 2A	BBC000000000000 KE		13	1	0.45	0.15	115mm
Main Gun 2A20	C1B00C000000000 HE			4	0.4	0.1	115mm
Main Gun 3BM28: 2	BBC000000000000 KE		16	1	0.45	0.15	115mm
Main Gun 2A20	C1B00C000000000 HE			4	0.35	0.05	115mm
Main Gun BK-4M: 2/	BBB000000000000 HEAT	18		1	0.35	0.05	115mm
Main Gun 2A20	C1B00C000000000 HE			4	0.35	0.05	115mm
Main Gun 3BM9: 2A	BBC000000000000 KE		13	1	0.4	0.25	125mm
Main Gun 2A46	47B10C000000000 HE			4	0.35	0.2	125mm
Main Gun 3BM15: 2	BBC000000000000 KE		16	1	0.5	0.35	125mm
Main Gun 2A46	47B10C000000000 HE			4	0.4	0.25	125mm
Main Gun 3BM32: 2	BBB000000000000 KE		21	1	0.45	0.35	125mm
Main Gun 2A46M	D7512C000000000 HE			4	0.45	0.35	125mm
Main Gun 3BM29: 2	BBB000000000000 KE		19	1	0.45	0.35	125mm
Main Gun 2A46	47B10C000000000 HE			4	0.45	0.35	125mm
Main Gun 3BM32: 2	BBB000000000000 KE		21	1	0.45	0.35	125mm
Main Gun 2A46M	D7512C000000000 HE			4	0.45	0.35	125mm
Main Gun 3BM22: 2	BBC000000000000 KE		18	1	0.4	0.15	125mm
Main Gun 2A26	C7B00C000000000 HE			4	0.4	0.15	125mm

Main Gun 3BM29: 2 BBB0000(00000000 KE		19	1	0.4	0.3 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.4	0.3 125mm
Main Gun 3BM30: 2 BBB0000(00000000 KE		19	1	0.4	0.3 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.4	0.3 125mm
Main Gun 3BM32: 2 BBB0000(00000000 KE		21	1	0.4	0.3 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.4	0.3 125mm
Main Gun 3BM22: 2 BBC0000(00000000 KE		17	1	0.4	0.25 125mm
Main Gun 2A46 47B10C0(00000000 HE			4	0.4	0.25 125mm
Main Gun 3BM32: 2 BBB0000(00000000 KE		21	1	0.45	0.3 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.45	0.3 125mm
Main Gun 3BM33: 2 BBB0000(00000000 KE		21	1	0.4	0.3 125mm
Main Gun 3BM48: 2 BBB0000(00000000 KE		24	1	0.6	0.3 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.6	0.3 125mm
Main Gun 3BM46: 2 BBB0000(00000000 KE		24	1	0.6	0.55 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.6	0.55 125mm
Main Gun WP 125: 2 BBB0000(00000000 KE		19	1	0.4	0.2 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.4	0.2 125mm
Main Gun 3BM22: 2 BBC0000(00000000 KE		17	1	0.3	0.2 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.3	0.2 125mm
Main Gun 3BM29: 2 BBB0000(00000000 KE		19	1	0.4	0.25 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.4	0.25 125mm
Main Gun 3BM22: 2 BBC0000(00000000 KE		17	1	0.4	0.25 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.4	0.25 125mm
Main Gun 3BM29: 2 BBB0000(00000000 KE		19	1	0.45	0.35 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.45	0.35 125mm
Main Gun 3BM46: 2 BBB0000(00000000 KE		24	1	0.55	0.45 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.55	0.45 125mm
Main Gun 3BM46: 2 BBB0000(00000000 KE		24	1	0.55	0.4 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.55	0.4 125mm
Main Gun 3BM46: 2 BBB0000(00000000 KE		24	1	0.55	0.4 125mm
Main Gun 2A46M D7512C0(00000000 HE			4	0.55	0.4 125mm
Main Gun 155K70 A 0152198E 00000000 KE		14	1	0.45	0.35 155mm
Main Gun M728: M(BBC0000(00000000 KE		13	1	0.4	0.25 105mm
Main Gun M68 333D9B6(00000000 HE			4	0.35	0.2 105mm
Main Gun HEAT: D-E BBE0000(00000000 HEAT	9		1	0.15	0.05 122mm H
Main Gun M-46 47710D8(00000000 HEAT	11		1	0.2	0.05 122mm H
Main Gun DM23A1: BBB0000(00000000 KE		19	1	0.4	0.05 120mm
Main Gun BWK120 C120542100000000 HE			3.5	0.4	0.05 120mm
Main Gun T69-II BBC0000(00000000 KE		15	1	0.4	0.15 100mm
Main Gun PLA 105 BBC0000(00000000 KE		12	1	0.5	0.15 105mm
Main Gun PLA 105 BBD9188:00000000 HE			4	0.4	0.05 105mm
Main Gun Br-412D: BBC0000(00000000 KE		11	1	0.3	0.1 100mm
Main Gun T69-II BBC0000(00000000 KE		16	1	0.45	0.15 100mm
Main Gun T69-II 8AE1058100000000 HE			3	0.4	0.1 100mm
Main Gun DTC90-10 BBB0000(00000000 KE		21	1	0.4	0.25 105mm
Main Gun PLA 105 BBD9188:00000000 HE			4	0.4	0.25 105mm
Main Gun T62-85TC 8D6724C:00000000 KE		8	1	0.35	0.05 85mm

Main Gun T62-85TC 8D6724C: 00000000	HE		3	0.35	0.05	85mm	
Main Gun T62-85TC 8D6724C: 00000000	KE	11	1	0.45	0.05	85mm	
Main Gun T62-85TC 8D6724C: 00000000	HE		3	0.4	0.05	85mm	
Main Gun DTC90-10 BBB0000	00000000	KE	21	1	0.4	0.25	105mm
Main Gun PLA 105 BBD9188:	00000000	HE		4	0.4	0.25	105mm
Main Gun T62-85TC BBC0000	00000000	KE	11	1	0.4	0.15	85mm
Main Gun T62-85TC 8D6724C: 00000000	HE		3	0.35	0.1	85mm	
Main Gun DM13: L7 BBC0000	00000000	KE	14	1	0.5	0.35	105mm
Main Gun Type 93: I BBC0000	00000000	KE	17	1	0.55	0.45	105mm
Main Gun L7A3 F46CA2C	00000000	HE		4	0.55	0.45	105mm
Main Gun DM63: L7 BBB0000	00000000	KE	18	1	0.55	0.45	105mm
Main Gun T81 BBC0000	00000000	KE	16	1	0.5	0.25	105mm
Main Gun T83 44E219810000000	HE		4	0.4	0.15	105mm	
Main Gun T83(Early BBC0000	00000000	KE	15	1	0.55	0.3	105mm
Main Gun T83 44E219810000000	HE		4	0.45	0.2	105mm	
Main Gun PLA 125-1 BBB0000	00000000	KE	20	1	0.45	0.35	125mm
Main Gun PLA 125 46E219830000000	HE		4	0.45	0.35	125mm	
Main Gun DTW-125 BBB0000	00000000	KE	25	1	0.55	0.4	125mm
Main Gun PLA 125 46E219830000000	HE		4	0.55	0.4	125mm	
Main Gun HEAT: T8 BBC0000	00000000	HEAT	17	1	0.45	0.3	105mm
Main Gun T83 44E219810000000	HE		4	0.45	0.3	105mm	
Main Gun HEAT: T8 BBC0000	00000000	HEAT	17	1	0.5	0.35	105mm
Main Gun T83 44E219810000000	HE		4	0.5	0.35	105mm	
Main Gun JM33A1: I BBB0000	00000000	KE	24	1	0.6	0.55	120mm
Main Gun Rh-M-12 C1205C2	00000000	HE		3.5	0.6	0.55	120mm
Main Gun Cockerill I BBC0000	00000000	KE	8	1	0.45	0.05	90mm
Main Gun Cockerill I 047CC12	00000000	HE		3	0.4	0.05	90mm
Main Gun DM63: L7 BBB0000	00000000	KE	18	1	0.5	0.45	105mm
Main Gun L7A3 F46CA2C	00000000	HE		4	0.5	0.45	105mm
Main Gun DTC02-10 BBB0000	00000000	KE	25	1	0.5	0.35	105mm
Main Gun T83 44E219810000000	HE		4	0.5	0.35	105mm	
Main Gun 3OF70: 2/01B20C0	00000000	KE	10	6		100mm	
Main Gun NO NAM EA4C630	00000000	KE	9	1	0.3	0.05	100mm
Main Gun M68 333D9B6	00000000	KE	11	1	0.4	0.2	105mm
Main Gun M68 333D9B6	00000000	KE	10	1	0.25	0.05	105mm
Main Gun L7A3 F46CA2C	00000000	KE	11	1	0.3	0.1	105mm
Main Gun 2A20 C1B00C0	00000000	KE	14	1	0.15	0.05	115mm
Main Gun CN120-26 C7100C0	00000000	KE	21	1	0.65	0.65	120mm
Main Gun 2A26 C7B00C0	00000000	KE	12	1	0.15	0.05	125mm
Main Gun 2A46M D7512C0	00000000	KE	20	1	0.45	0.3	125mm
Main Gun 3BM32: 2 BBB0000	00000000	KE	21	1	0.45	0.35	125mm
Main Gun M123E1: 06215C0	00000000	HEAT	15	10		165mm H	
Main Gun NO NAM EA4C630	00000000	HE		3	0.25	0.05	100mm
Main Gun M68 333D9B6	00000000	HE		4	0.35	0.15	105mm
Main Gun M68 333D9B6	00000000	HE		4	0.2	0.05	105mm
Main Gun L7A3 F46CA2C	00000000	HE		4	0.25	0.05	105mm
Main Gun 2A20 C1B00C0	00000000	HE		4	0.15	0.05	115mm

Main Gun CN120-26 C7100C0200000000 HE	3.5	0.55	0.55 120mm
Main Gun 2A26 C7B00C000000000 HE	4	0.15	0.05 125mm

InitialSpeed	Acceleration	MaxSpeed	SpeedIns	Missile_G	Missile_N	SalvoLength	SalvoLength	ShotSimu	ShotReloading
180000				1	1	1	1	1	
180000				22	22	1	1	5	
140000				22	22	1	1	5	
180000				1	1	1	1	1	
180000				1	1	1	1	1	
180000				1	1	1	1	1	
180000				1	1	1	1	1	
180000				1	1	1	1	1	
180000				1	1	1	1	1	
180000				1	1	1	1	1	
180000				2	2	1	1	0.2	
180000				12	12	1	1	3	
140000				12	12	1	1	3	
180000				12	12	1	1	3	
140000				12	12	1	1	3	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				12	12	1	1	3	
140000				12	12	1	1	3	
180000				12	12	1	1	3	
140000				12	12	1	1	3	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
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140000				1	1	1	1	1	
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140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				1	1	1	1	1	
140000				1	1	1	1	1	
180000				20	20	1	1	6.6	
27000				20	20	1	1	6.6	
180000				40	40	1	1	6.6	

27000	40	40	1	6.6
180000	1	1	1	1
27000	1	1	1	1
180000	22	22	1	6
140000	22	22	1	6
36000	4	4	1	7
180000	20	20	1	3
140000	20	20	1	3
180000	1	1	1	1
140000	1	1	1	1
180000	1	1	1	1
140000	1	1	1	1
180000	1	1	1	1
140000	1	1	1	1
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140000	1	1	1	1
180000	25	25	1	4
140000	25	25	1	4
180000	1	1	1	1
140000	1	1	1	1
180000	28	28	1	8.5
140000	28	28	1	8.5
180000	24	24	1	6.6
140000	24	24	1	6.6
180000	1	1	1	1
140000	1	1	1	1
180000	4	4	1	4
140000	4	4	1	4
180000	1	1	1	1
140000	1	1	1	1
27000	1	1	1	1
180000	1	1	1	1
140000	1	1	1	1
180000	1	1	1	1
140000	1	1	1	1
180000	1	1	1	1
140000	1	1	1	1

180000	25	25	1	4
140000	25	25	1	4
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140000	25	25	1	4
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140000	28	28	1	6.6
180000	24	24	1	6.6
140000	24	24	1	6.6
180000	28	28	1	6.6
140000	28	28	1	6.6
180000	24	24	1	6.6
140000	24	24	1	6.6
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140000	24	24	1	6.6
180000	28	28	1	8.5
140000	28	28	1	8.5

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180000		4	4	1	4
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140000		21	21	1	8.5
180000		21	21	1	8.5
140000		21	21	1	8.5
180000		1	1	1	1
140000		1	1	1	1
180000		1	1	1	1
140000		1	1	1	1
180000		35	35	1	5
140000		35	35	1	5
180000		1	1	1	1
140000		1	1	1	1
180000		1	1	1	1
140000		1	1	1	1
180000		1	1	1	1
140000		1	1	1	1
36000		4	4	1	7
180000		1	1	1	1
180000		1	1	1	1
180000		1	1	1	1
180000		1	1	1	1
180000		1	1	1	1
180000		28	28	1	8.5
180000		24	24	1	7.5
180000		28	28	1	7.5
27000		1	1	1	1
140000		1	1	1	1
140000		1	1	1	1
140000		1	1	1	1
140000		1	1	1	1

140000		1	1	1	1
140000		28	28	1	8.5

6.6	6.6	6	9.09091	9.09091	1575						
1	6	1	10	10	1575						
1	6	6	10	10	1575						
6	6	1	10	10	1925						
6	6	1.4	10	10	2450	4	4	35	5	20	
7	7	7	8.57143	8.57143	3675						
3	3	1	20	20	1925						
3	3	1.4	20	20	2275	2	3	30	5	15	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2100	1	2.275	30	5	15	
1	6	1	10	10	2625						
1	6	1.4	10	10	2625	5	4	45	35	25	
1	8.5	1	7.05882	7.05882	2450						
1	8.5	1.4	7.05882	7.05882	2625	4	4	40	20	20	
1	10	1	6	6	1925						
1	10	1.4	6	6	2100	1	2.275	30	5	15	
1	6	1	10	10	2100						
1	6	1.4	10	10	2625	3	4	35	20	20	
1	6.6	1	9.09091	9.09091	2275						
1	6.6	1.4	9.09091	9.09091	2625	4	4	40	30	20	
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1	7.5	1.4	8	8	1750	2	2.1	30	5	15	
1	7.5	1	8	8	1925						
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1	6	1.4	10	10	2100	2	2.45	30	5	15	
4	4	1	15	15	2100						
4	4	1.4	15	15	2275	2	3	30	5	15	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2100	1	2.275	30	5	15	
8.5	8.5	1	7.05882	7.05882	1925						
8.5	8.5	1.4	7.05882	7.05882	2100	2	2.45	30	10	15	
6.6	6.6	1	9.09091	9.09091	2625						
6.6	6.6	1.4	9.09091	9.09091	2625	4	4	40	20	20	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2100	1	2.275	30	5	15	
4	12	1	10	10	2100						
4	12	1.4	10	10	2450	2	3.5	30	15	15	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2100			25	5	15	
1	30	6	2	2	2450						
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2275	2	3	30	5	15	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2450	3	4	30	5	15	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2100	2	2.45	30	5	15	

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1	8.5	1.4	7.05882	7.05882	2625	4	4	40	25	20
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1.4	9.09091	9.09091	2625	6	4	50	45	25
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1	7.5	1	8	8	2625					
1	7.5	1.4	8	8	2625	5	4	45	30	25
1	8.5	1	7.05882	7.05882	2625					
1	8.5	1.4	7.05882	7.05882	2625	4	4	40	20	20
1	8.5	1	7.05882	7.05882	1925					
1	8.5	1.4	7.05882	7.05882	2275	2	3	30	5	15
1	8.5	1	7.05882	7.05882	2100					
1	8.5	1.4	7.05882	7.05882	2625	3	4	35	10	20
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1	8.5	1.4	7.05882	7.05882	2625	4	4	40	5	20
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	3	4	35	10	20
1	10	1	6	6	2100					
1	10	1.4	6	6	2275	2	3	30	5	15
1	10	1	6	6	2625					
1	10	1.4	6	6	2625	2	4	30	5	15
1	6	1	10	10	1925					
1	6	1.4	10	10	2275	2	3	30	5	15
1	10	1	6	6	1050					
1	8	1	7.5	7.5	1925					
1	8	1.4	7.5	7.5	2100	1	2.275	30	5	15
1	8.5	1	7.05882	7.05882	2100					
1	8.5	1.4	7.05882	7.05882	2450	3	4	30	5	15
1	8	1	7.5	7.5	1925					
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1	8	1	7.5	7.5	1925					
1	8	1.4	7.5	7.5	2100			15	5	10
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2625	3	4	35	10	20
1	6.6	1	9.09091	9.09091	1925					
1	6.6	1.4	9.09091	9.09091	2100	2	2.45	30	10	15
1	6.6	1	9.09091	9.09091	1925					
1	7.5	1.4	8	8	2100	2	2.45	30	5	15
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1.4	9.09091	9.09091	2625	5	4	45	35	25
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1	6.6	1.4	9.09091	9.09091	2625	4	4	40	30	20
6	6	1	10	10	2275					
6	6	1.4	10	10	2625	2	4	30	25	15
1	7.5	1	8	8	1925					

1	7.5	1.4	8	8	2100	2	2.45	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	2	2.45	30	5	15
1	5	1	12	12	1925					
1	5	1.4	12	12	2100			25	5	15
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2450	2	3.5	30	5	15
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2450	2	3.5	30	5	15
8.5	8.5	1	7.05882	7.05882	2100					
8.5	8.5	1.4	7.05882	7.05882	2450	2	3.5	30	15	15
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	2	4	30	15	15
5	5	1	12	12	2625					
5	5	1.4	12	12	2625	6	4	50	50	25
1	6	1	10	10	1925					
1	6	1.4	10	10	2100	2	2.45	30	20	15
1	6	1	10	10	1925					
1	6	1.4	10	10	2100	2	2.45	30	20	15
1	6	1	10	10	2100					
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1	6	1.4	10	10	2625	5	4	45	30	25
1	6.6	1	9.09091	9.09091	2625					
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1	6.6	1.4	9.09091	9.09091	2625	6	4	50	45	25
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1	6	1	10	10	2100					
1	6	1.4	10	10	2275	2	3	30	20	15
1	6	1	10	10	1925					
1	7.5	1	8	8	2625					
1	7.5	1.4	8	8	2625	6	4	50	30	25
1	7.5	1	8	8	1575					
1	7.5	1.4	8	8	1575	4	2.275	30	5	15
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1.4	9.09091	9.09091	2625	5	4	45	40	25
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1.4	9.09091	9.09091	2625	5	4	45	40	25
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1.4	9.09091	9.09091	2625	6	4	50	45	25

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1	6.6	1.4	9.09091	9.09091	2625	4	4	40	25	20
1	6.6	1	9.09091	9.09091	2100					
1	6.6	1.4	9.09091	9.09091	2625	4	4	40	25	20
1	10	1	6	6	1575					
1	10	1.4	6	6	1575	2	1.925	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	1	2.275	30	5	15
1	7.5	1	8	8	1750					
1	7.5	1.4	8	8	1750	2	2.1	30	5	15
1	7.5	1	8	8	1750					
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1	7.5	1	8	8	1750					
1	7.5	1.4	8	8	1750	2	2.1	30	5	15
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2275	2	3	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	2	2.45	30	5	15
1	7.5	1	8	8	2625					
1	7.5	1.4	8	8	2625	1	3.5	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	1	2.275	30	10	15
1	6	1	10	10	1925					
1	6	1.4	10	10	2100	2	2.45	30	10	15
1	6	1	10	10	2275					
1	6	1.4	10	10	2625	4	4	40	10	20
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	2	2.45	30	5	15
1	6	1	10	10	2100					
1	6	1.4	10	10	2625	3	4	35	5	20
1	6	1	10	10	2100					
1	6	1.4	10	10	2625	3	4	35	15	20
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	4	4	40	35	20
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	5	4	45	40	25
4.5	4.5	1	13.3333	13.3333	2625					
4.5	4.5	1.4	13.3333	13.3333	2625	5	4	45	40	25
1	3	1	20	20	1575					
1	3	1.4	20	20	1575			30	5	15
6	6	1	10	10	2625					
6	6	1.4	10	10	2625	6	4	50	45	25
6	6	1	10	10	2625					
6	6	1.4	10	10	2100					
6	6	1.4	10	10	2450	3	4	30	20	15
1	6	1	10	10	2100					
1	6	1.4	10	10	2450	2	3.5	30	5	15

1	6	1	10	10	2625						
1	6	1.4	10	10	2625	4	4	40	25	20	
1	6	1	10	10	2625						
1	6	1.4	10	10	2625	5	4	45	30	25	
10	10	1	6	6	2100						
10	10	1.4	6	6	2275	1	2.5	30	5	15	
1	6	1	10	10	2625						
1	6	1.4	10	10	2625	5	4	45	40	25	
1	6	1	10	10	2625						
1	6	1.4	10	10	2625	5	4	45	45	25	
1	8	1	7.5	7.5	1925						
1	8	1.4	7.5	7.5	2100	1	2.275	30	5	15	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2625	1	3.5	30	5	15	
1	6	1	10	10	2625						
1	6	1.4	10	10	2625	4	4	40	15	20	
1	6	1	10	10	2625						
1	6	1.4	10	10	2625	3	4	35	10	20	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2275			30	5	15	
1	8.5	1	7.05882	7.05882	1925						
1	7.5	1	8	8	1750						
1	7.5	1.4	8	8	1750	2	2.1	30	5	15	
6.6	6.6	1	9.09091	9.09091	2625						
6.6	6.6	1.4	9.09091	9.09091	2625	4	4	40	30	20	
6	6	1	10	10	2625						
6	6	1.4	10	10	2625	3	4	35	5	20	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2275	2	3	30	5	15	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2275	2	3	30	5	15	
1	8	1	7.5	7.5	1925						
1	8	1.4	7.5	7.5	2100	1	2.275	30	5	15	
1	7.5	1	8	8	2625						
1	7.5	1.4	8	8	2625	5	4	45	40	25	
1	8	1	7.5	7.5	2100						
1	8	1.4	7.5	7.5	2625	4	4	40	35	20	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2100			25	5	15	
1	8	1	7.5	7.5	1925						
1	8	1.4	7.5	7.5	2100			20	5	10	
1	4	1.4	15	15	2450						
1	7.5	1	8	8	1925						
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2275			30	5	15	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2450	2	3.5	30	5	15	

4	4	1	15	15	2625						
4	4	1.4	15	15	2625	4	4	40	5	20	
4	4	1	15	15	2625						
4	4	1.4	15	15	2625	5	4	45	5	25	
1	7.5	1	8	8	2625						
1	7.5	1.4	8	8	2625	6	4	50	20	25	
1	6.6	1	9.09091	9.09091	2625						
1	7.5	1	8	8	1750						
1	7.5	1.4	8	8	1750	2	2.1	30	5	15	
1	7.5	1	8	8	1925						
1	7.5	1.4	8	8	2450	3	4	30	5	15	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2625	3	4	35	5	20	
1	4	1	15	15	1575						
1	4	6	15	15	2100						
1	10	1	6	6	1750						
1	10	1.4	6	6	1750	2	2.1	30	5	15	
1	7.5	1	8	8	2275						
1	7.5	1.4	8	8	2625	4	4	40	10	20	
1	7.5	1	8	8	2275						
1	7.5	1	8	8	2275						
1	7.5	1.4	8	8	2625	4	4	40	5	20	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2450	3	4	30	5	15	
1	7.5	1	8	8	2100						
1	7.5	1.4	8	8	2275	1	2.5	30	5	15	
1	7.5	1	8	8	2625						
1	7.5	1.4	8	8	2625	4	4	40	5	20	
1	10	1	6	6	1925						
1	10	1	6	6	2100						
1	10	1.4	6	6	2275	2	3	30	5	15	
1	10	1	6	6	2275						
1	10	1.4	6	6	2625	1	3.5	30	5	15	
1	10	1	6	6	2625						
1	10	1.4	6	6	2625	1	3.5	30	5	15	
6.6	6.6	1	9.09091	9.09091	2100						
6.6	6.6	1.4	9.09091	9.09091	2275	1	2.5	30	15	15	
6.6	6.6	1	9.09091	9.09091	2100						
6.6	6.6	1.4	9.09091	9.09091	2450	2	3.5	30	15	15	
6.6	6.6	1	9.09091	9.09091	2625						
6.6	6.6	1.4	9.09091	9.09091	2625	3	4	35	25	20	
6.6	6.6	1	9.09091	9.09091	2625						
6.6	6.6	1.4	9.09091	9.09091	2625	3	4	35	25	20	
6.6	6.6	1	9.09091	9.09091	2625						
8.5	8.5	1	7.05882	7.05882	2450						
8.5	8.5	1.4	7.05882	7.05882	2450	2	3.5	30	5	15	

7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	2	4	30	20	15
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	2	4	30	20	15
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	2	4	30	20	15
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	2	4	30	20	15
7.5	7.5	1	8	8	2625					
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	3	4	35	20	20
7.5	7.5	1	8	8	2625					
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1	9.09091	9.09091	2625	6	4	50	20	25
7.5	7.5	1	8	8	2625					
7.5	7.5	1.4	8	8	2625	6	4	50	45	25
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	2	4	30	10	15
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625			30	20	15
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	2	4	30	15	15
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	2	4	30	15	15
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	2	4	30	15	15
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	3	4	35	25	20
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	5	4	45	35	25
6.6	6.6	1	9.09091	9.09091	2625					
6.6	6.6	1.4	9.09091	9.09091	2625	5	4	45	30	25
6.6	6.6	1	9.09091	9.09091	2625					
1	7.5	1	8	8	1925					
1	8.5	1	7.05882	7.05882	1925					
1	8.5	1.4	7.05882	7.05882	2100	1	2.275	30	15	15
1	10	1	6	6	2275					
1	10	1	6	6	2275					
1	10	1	6	6	2625					
1	10	1.4	6	6	2625	2	4	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2450	2	3.5	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2275	2	3	30	5	15
1	7.5	1	8	8	2625					
1	7.5	1.4	8	8	2625	2	4	30	15	15
1	7.5	1	8	8	1750					

1	7.5	1.4	8	8	1750	1	1.925	30	5	15
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	2	2.45	30	5	15
1	7.5	1	8	8	2625					
1	7.5	1.4	8	8	2625	2	4	30	15	15
1	7.5	1	8	8	1925					
1	7.5	1.4	8	8	2100	1	2.275	30	5	15
4	12	1	10	10	2100					
4	12	1	10	10	2625					
4	12	1.4	10	10	2625	5	4	45	35	25
4	12	1	10	10	2625					
1	7.5	1	8	8	2100					
1	7.5	1.4	8	8	2450	2	3.5	30	5	15
1	6.6	1	9.09091	9.09091	2100					
1	6.6	1	9.09091	9.09091	2450	3	4	30	5	15
8.5	8.5	1	7.05882	7.05882	2625					
8.5	8.5	1.4	7.05882	7.05882	2625	3	4	35	25	20
8.5	8.5	1	7.05882	7.05882	2625					
8.5	8.5	1.4	7.05882	7.05882	2625	5	4	45	30	25
1	7.5	1	8	8	2625					
1	7.5	1	8	8	2625	3	4	35	20	20
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1	9.09091	9.09091	2625	4	4	40	25	20
5	5	1	12	12	2625					
5	5	1.4	12	12	2625	6	4	50	45	25
1	8	1	7.5	7.5	1925					
1	8	1.4	7.5	7.5	2100	2	2.45	30	5	15
1	7.5	1	8	8	2625					
1	7.5	1.4	8	8	2625	4	4	40	35	20
1	6.6	1	9.09091	9.09091	2625					
1	6.6	1	9.09091	9.09091	2625	4	4	40	25	20
7	7	7	8.57143	8.57143	3675					
1	8	1	7.5	7.5	1925					
1	7.5	1	8	8	1925					
1	7.5	1	8	8	1925					
1	7	1	8.57143	8.57143	1925					
1	10	1	6	6	1925					
1	6	1	10	10	2275					
8.5	8.5	1	7.05882	7.05882	1925					
7.5	7.5	1	8	8	2275					
7.5	7.5	1	8	8	2625					
1	30	6	2	2	2450					
1	8	1.4	7.5	7.5	2100					
1	7.5	1.4	8	8	2100	1	2.275	30	10	15
1	7.5	1.4	8	8	2100					
1	7	1.4	8.57143	8.57143	2100					
1	10	1.4	6	6	1925					

1	6	1.4	10	10	2625	5	4	45	45	25
8.5	8.5	1.4	7.05882	7.05882	1925			15	5	10

运动精度(%瞄准时间) 初速度 散布角

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5 2.1 184888 2.85

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25	2.1	104000	0.005
5	2.1	104000	0.005

数据录入：OO

单位名	武器名	新武器名	武器Hash值
	HJ-73[120m/s]		0442490000000000
	HJ-73B[120m/s]	HJ-73E	0C81501200000000
BVP M-80A	Malyutka		8570290000000000
未使用	Malyutka-M[120m/s]		57215C0A00000000
BRDM-2 Malyutka-P	Malyutka-P[120m/s]		5A215C0A00000000
HN-42M GAMA	Malyutka-P1[120m/s]		8256089702000000
HN-45M GAMA 2	Malyutka-2M[120m/s]		D750089702000000
BVP M-96 VIDRA	Malyutka-2T[120m/s]		DE50089702000000
TYPE 85 SUSONG-PO	Susong Po[120m/s]		EC4CE37A07000000
RAKETENJAGDPANZER	SS-11[200m/s]		82D0750000000000
AMX-13 HARPON	SS-11 TCA[200m/s]		4BE30942D7010000
M-1107 DRUG	DRUG	DRUG-M	AC7EA70000000000
PALR FAGOT	Fagot-M[220m/s]		82205C0A00000000
PTUR FAKTORIYA	Faktoriya[220m/s]		9720089702000000
Mi-24A	Falanga[150m/s]		8270290000000000
Mi-24D	Fleyta[150m/s]		1A225C0A00000000
Pvgrp RBS 56	RBS 56[220m/s]		87D1311C00000000
MARDER 1A2	MILAN F1[200m/s]		D8624D1700000000
ATGM MILAN F3	MILAN F3[200m/s]		CB802DD674010000
CHU-MAT	Chu-MAT[400m/s]		DE72E96D03000000
M60A2E2 STARSHIP	Shillelagh[350m/s]		6D27185774010000
MBT-70	Shillelagh-C[350m/s]		4DDB09C6155D0000
FERRET ENTAC	ENTAC[100m/s]		CDE2610F00000000
BTR-50 VIGILANT	Vigilant[150m/s]		F96CC62EEB820000
	TOW		61E69557C4000000
	I-TOW		61E64DE515310000
	TOW 2	TOW 2 A	439879E515310000
	Bastion		88205C0A00000000
	MAT		DE72D52605000000
	Jyu-Mat		DE72F93A05000000

Konkurs 84205C0A00000000

Konkurs-M **9N131 M1:** Konkurs-M 1721089702000000

Kokon 85205C0A00000000

Sheksna 89205C0A00000000

Kobra 83205C0A00000000

Agona C9205C0A00000000

Svir 8A205C0A00000000

Refleks 9722089702000000

Invar Invar-**M** B7B9CF1300000000

MAPATS 9DB768CB05000000

Swingfire Swingfire Mk.2 EAEDAECECF21D00

HOT 42E9651200000000

HOT 2 43E9651200000000

HJ-8 0925010000000000

HJ-8B 4C42490000000000

HJ-8 **L** 4B42490000000000

MILAN 2[200m/s] MILAN **ER** 03B658D305000000

HJ-9[500m/s] 0A25010000000000

Ataka V[500m/s] C1205C0A00000000

LAHAT[320m/s] DE222D1600000000

Arkan[440m/s] 1722089702000000

Kokon-M[500m/s] 5721089702000000

AGM-114A Hellfire[440m/s] 4B210857B4000000

Spike NLOS 5D66612AECD61D00

NIMROD 297DCB2E06000000

ZT3A2 Ingwe CC75314D157DE004

ZT3A1 Swift 145851A303894D06

武器Hash值即唯一条件	对地射程(km)	原射程	备注	导弹穿深 (mm)	HEAT
Y		3	2450	400	14
Y		3	2450	800	22
Y		2.5	2450 南斯拉夫		
Y		3	2450		
Y		3	2450 南斯拉夫		
Y					
Y					
Y		3	2450 南斯拉夫		
Y		3	2450 南斯拉夫		
Y		3	2450 南斯拉夫		
Y		3	2450 朝鲜		
Y		3.5	2450 德国	600	18
Y		3.5	2450 法国	600	18
Y		3	2450 南斯拉夫	900	24
Y		2.5	2450		
Y		2.5	2450		
Y		2.5	2450		
Y		2.5	2450		
Y		2.2	2275		
Y		2.2	2450 2000m射程 (按步兵导弹标准+175*2)	530	17
Y					
Y		2.2	2450 2000m射程 (按步兵导弹标准+175*2)		
Y		2.2	2450 2000m射程 (按步兵导弹标准+175*2)		
Y		2.2	2450 2000m射程 (按步兵导弹标准+175*2)		
Y		3	2625		
Y		2.2	2100 2000m射程 (按步兵导弹标准+175*2)		
Y		1.75	2100 芬兰, 1375m射程 (按步兵导弹标准+175*2)		
Y					
Y		3	2625	430	15
Y		4	2625	700	20
Y		4	2625	950	25
Y					
Y		4	2625 80精度	600	18
Y		2.1	1925 1800M (按步兵导弹标准+175*2)	500	16
Y		4	2625 200m/s	550	17

Y	4	2625	700	20
Y	4	2625	950	25
Y	5	2800		
Y	5	2800 bastion on 115	600	18
Y	4	2625	650	19
Y	4	2625	700	20
Y	4	2625 refleks copy	700	20
Y	5	2800	700	20
Y	6	2800 1995+	900	24
Y	5	2800		
Y	4	2625	700	20
Y	4	2625	700	20
Y	4	2625	900	24
Y				
Y				
Y	4	2625	800	22
Y	5	2800 直升机	900	24
Y	5	2800	1000	26
Y				
Y				
Y	3	Milan 2-» ER, 3k	1050	27
Y	5.5	1100mm	1100	28
Y	6	950mm	950	25
Y	6	? mm	800	22
Y	5.5	800mm	800	22
Y	6	800mm	800	22
Y	6		1000	26
Y				
Y	6	2975		
Y	6	2975		
Y	5	2800 南非	1000	26
Y	4	2625	650	19

原精度	原HEAT	静止精度(%)	移动精度(%)
40/10	14	60	5
45/10	16	70	5
35/25		55	45
35/10		55	5
40/30	15	60	50
40/30	17	60	50
50/40	24	70	60
40/5	26	60	5
45/30		65	50
30/20	17	50	40
35/10	17	55	30
50/5	20	70	5
40/5	16	60	5
45/5	16	65	5
30/20	13	50	40
35/20	16	55	40
50/5	26	70	5
40/5	17	60	5
50/5	26	70	5
60/-	21	80	5
30/5	16	50	5
40/5	16	60	5
35/10		55	5
35/10	20	55	5
50/35		70	55
60/45		80	65
70/50		90	70
40/30		60	50
35/-	13	55	5
45/-	17	65	5

45/-	20	65	5
50/-	23	70	5
55/40	20	75	60
40/15		60	35
45/30		65	50
55/45		75	55
50/40		70	60
50/40		70	60
60/50		80	70
60/45		80	65
45/-		65	5
50/35		70	55
65/50		85	70
40/-		60	5
60/45		80	65
50/-	24	70	5
45/-		65	5
70/-		90	5
60/45		80	65
65/55		85	75
50/35		70	55
55/40		75	60
70/50		90	70
60/50	27	80	70
70/50	28	90	70
70/50	26	90	70
70/-	20	90	5

链接

[WT Missile statistics \(in-game values\) copy](#)

<https://imgur.com/a/bqNW2>

https://www.reddit.com/r/wargame/comments/4k2hhz/yugoslavia_in_wargame_an_extensively_documented/

<http://www.military-today.com/missiles/tow.htm>

<https://thesovietarmourblog.blogspot.com/2021/07/soviet-atgms.html>

<https://en.missilery.info/missile/bastion>

https://military.wikia.org/wiki>Type_64_MAT

https://wiki.warthunder.com/Type_60_ATM

<https://thesovietarmourblog.blogspot.com/2021/07/soviet-atgms.html>
<https://www.tanknet.org/index.php?/topic/42282-%C2%ABkonkurs%C2%BB-atgm-system/page/2/>
<http://www.russianarms.ru/forum/index.php?topic=1396.0>
<https://www.jetir.org/papers/JETIR2011229.pdf>
<http://www.armaco.ba/en/product/auided-missiles-c34/9m113-konkurs-anti-tank-auided-missile-p559>
<https://thesovietarmourblog.blogspot.com/2021/07/soviet-atgms.html>

guessed by Bastion pen

WT Missile statistics (in-game values) copy

<http://fofanov.armor.kiev.ua/>

<https://en.missilery.info/missile/hj8>

http://www.military-today.com/missiles/milan_er.htm

28
25
22
22
22
26

<http://www.military-today.com/missiles/ingwe.htm>
<https://wiki.warthunder.com/ZT3A2>

备注

drug-2000m
drug-M, 3000m, 900mm, 1992

For instance, the TOW attained a hit probability as high as 0.97 against a fixed target out to its maximum range of

9N131 M1- on par with TOW-2A, 900mm(ERA), 9N131 M, 750mm(ERA), >0.5 probability
9n131 m1, max 900mm(ERA)

production <2006

90% acc. comparable to BGM 71 TOW
The hit probability of the Shturm systems is 0.75-0.9, including against targets moving at up to 80 km/h. This can be considered quite high, and is competitive with the best foreign heavy ATGMs of the time

The "Kokon" and "Ataka" are fully interchangeable between ground and airborne launch platforms

>80% acc, WT Missile statistics (in-game values) copy, <https://zh.wikipedia.org/wiki/9M119%E5%8F%8D%E>

<https://www.defenceweb.co.za/resources/fact-files/fact-file-denel-zt3-ingwe-precision-guided-missile/>

WeaponT	武器名	新武器名	武器Has	原版GUI	WeaponC	WeaponF	WeaponK	WeaponF	Sta Acc	Mov Acc
ATGM	SS-11 TCA		4BE30942	0000000C HEAT	18		1	0.55	0.3	
ATGM	SS-11		82D0750	0000000C HEAT	18		1	0.5	0.4	
ATGM	SS-11		82D0750	0000000C HEAT	18		1	0.5	0.4	
ATGM	SS-11		82D0750	0000000C HEAT	18		1	0.5	0.4	

mod中52000包含部分反舰导弹

Caliber	InitialSpeed	Acceleration	MaxSpeed	SpeedIns	Missile_G	Missile_N	SalvoLength	SalvoLength	ShotSimulation
SACLOS	26000	26000	20800		00000000	Descripto GameData	4	4	1
SACLOS	26000	26000	20800		00000000	Descripto GameData	4	4	1
MCLOS	26000	26000	20800		00000000	Descripto GameData	2	2	1
SACLOS	19500	19500	39099		00000000	Descripto GameData	3	3	1

mod中52000包含部分反舰

ShotRelo	ShotRelo	SalvoRelo	Aim	Real ROF	UI ROF	Ca	Max Anti-Ground R	速度大类
1	1	20		2	10.4348	10.4348	2800	20800
1	1	20		2	10.4348	10.4348	2800	20800
1	1	10		2	10.9091	10.9091	2800	20800
1	1	1			60	60	2800	39099

数据录入：OO

单位名	单位Hash值	武器名	新武器名	备注
		Bumbar		
		Metys-M	Metis-M1	
		Metys	Metis-M	
		M47Dragon II		
		AGM-114C Hellfire[440m/s]		
		ADATS[1000m/s ADATS		1 HEAT ins
		ADATS[1000m/s ADATS HE		1 HEAT ins
		Starstreak[1000r Starstreak		1 HEAT ins
		Starstreak[1000r Starstreak HE		1 HEAT ins
		M47 Super Drag	M47 Dragon III	1 HEAT ins
		M47 Super Drag	M47 Dragon III HE	1 HEAT ins
		M47DRAGON	M47 DRAGON	1 HEAT ins
		M47DRAGON	M47 DRAGON HE	1 HEAT ins
Su-25T		9K121 Vikhr	9K121 Vikhr: Su-25T	
Ka-50		9K121 Vikhr	9K121 Vikhr: Ka-50	
		Eryx	Eryx	1 HEAT ins
		Eryx	Eryx HE	1 HEAT ins
PstOhj 94		Spike LR	Spike LR(6s)	
		Spike MR[200m	Spike MR(6s)	

武器Hash值	武器Hash值即唯一条件	新武器Hash值	原版长装填
B779CA3A03000000	Y		
9721089502000000	Y		
8620540A00000000	Y		
0396450BE7000000	Y		
4D210857B4000000	Y		
57E72DCE02000000		BBBB000000000000	
57E72DCE02000000		BBBB000000000001	
B0A9DE397E9B7907		BBBB000000000002	
B0A9DE397E9B7907		BBBB000000000003	
D1C239DAD7010000		BBBB000000000004	
D1C239DAD7010000		BBBB000000000005	
58162D9C03000000		BBBB000000000006	
58162D9C03000000		BBBB000000000007	
C220540A00000000		BBBB000000000008	0.2
C220540A00000000		BBBB000000000009	2
E2C83D00000000000		BBBB000000000010	
E2C83D00000000000		BBBB000000000011	
9CA5C26EDD010000	Y		
DCA5C26EDD010000	Y		

原版HEAT	原版武器子类型	原精度	速度备注
		60/5	
		55/10	
		45/10	
13		50/10	
26			70/50
25		70/70	
	纯高爆弹		
12		65/65	
	纯高爆弹		
15		50/10	
	纯高爆弹		
10		35/10	
	纯高爆弹		
		50/50	
		70/35	
25		60/5	
	纯高爆弹		

spike LR, spike MR, spik



导弹加速度	导弹最大速度	UI格子优先级	对地射程(km)
		1	
		2.2	
		1.9	
		1.5	
		6	
		6	
		2	
		6	
		2	
		1.9	
			1.5
			8
			6
			1
与 MR MAGLAN 共用	37440		4
			2.5

对直升机射程(km)

对空射程(km)

短装填

长装填

1.6



10

7

7

4.9

1.6

武器类型	瞄准时间		静止精度(%)	移动精度(%)
	毫秒	秒		
步枪	80	5		
步枪	85	10		
步枪	75	10		
步枪	70	10		
步枪	90	70		
步枪	90	90		
步枪	70	70		
步枪	85	85		
步枪	65	65		
步枪	70	10		
步枪	70	10		
步枪	55	10		
步枪	55	10		
步枪	85	65		
步枪	80	5		
步枪	80	5		
射后不理	6	85	5	
射后不理	6	85	5	

口径	备注	HEAT	链接
	600m射程 (按步兵导弹标准+175*2)		
	2000m射程 (按步兵导弹	1000	26 https://www.bilibili.com/video/BV1Lz4y1G7Hx
	1500m射程 (按步兵导弹	850	23 https://military-1.com/thread-1000-1-1.html
	1000m射程 (按步兵导弹标准+175*2)		18
			26
	1500m射程 (按步兵导弹标准+175*2)		24 https://www.reddit.com/r/militaryhardware/comments/1000m射程_1752/
	1000m射程 (按步兵导弹标准+175*2)		13 http://www.milspotters.com/thread-1000-1-1.html
			27
			27
	600m射程 (按步兵导弹标准+175*2)		
Electro-optical		750	21
Electro-optical	21	750	21

950mm (ERA) 9M131 弹头, 按竞赛9N131弹头算2002年
800mm(ERA)

https://www.reddit.com/r/wargame/comments/mdrpmx/m47_dragon_and_its_variants_a_historical_look/

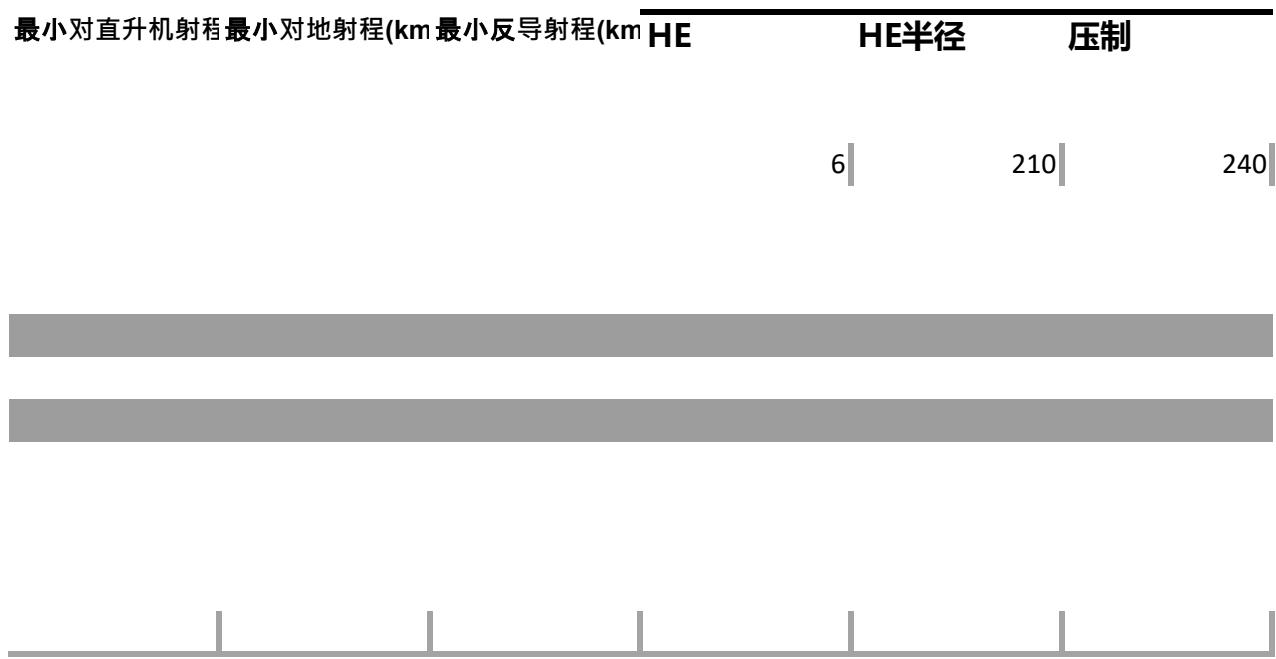
http://military-today.com/missiles/m47_dragon.htm

数据录入：OO

单位名	单位Hash值	武器名	新武器名
OSA-AK		9M33M2	
FRP ROLAND 2		Roland 2	
Ka-50		Igla-V	Igla-S
		Rapier	
		Rapier	
9K331 TOR-M1		9M330	9M331
		9K330(OG name)	
9K33 OSA-AKM		9M33M3	
		9M33M3	
		AIM-120(NASAMS)	
		V3B Kukri	
		R-60M	

备注	武器Hash值	武器Hash值即唯一条件	原版武器类型
	C3455C0A00000000	Y	
	433A9B31CD010000	Y	
	A019B313000000000	Y	
Radar 1 ins	B7EAD62607000000		
IR 1 ins	B7EAD62607000000		
	0141540A00000000		
光电版，等待加入	C345109702000000		
光电版，等待加入			
和飞机上的重名	4B3008D7B4000000		SAM
和飞机上的重名	D2232ECD18865706		SAM
和飞机上的重名	5770700000000000		SAM

原版武器子类型	对空射程(km)	对直升机射程(km)	对地射程(km)	反导射程(km)	最小对空射程(km)
	10		10		
	6.3		6.3		
	4.2		6		
雷达	8.2		8.2		
光电	6.8		8.2		
	12		12		
	10		12		
	12		12		
	10		12		
	25		12		
				4	
					7.0



压制半径

备注

<https://en.missilery.info/missile/osa-ak>

<https://en.missilery.info/missile/roland-2>

420 红, V升级为Igla- https://military.wikia.org/wiki/9K38_Igla

<https://www.army-technology.com/projects/jernas/>

<https://www.army-technology.com/projects/jernas/>

<https://en.missilery.info/missile/tor>

[https://en.missilery.info/missile/osa-akm\(10KM\)](https://en.missilery.info/missile/osa-akm(10KM))

2800->3500

红

原射程	静止精度(%)	移动精度(%)
2275	70	70
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	70	65
2275	65	65
2275	65	60
2275	65	60
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2275	65	60
2275	65	55
2275	65	55
2275	65	55
2275	65	55
2275	65	55
2275	65	50
2275	65	50
2275	65	50
2275	65	50
2275	65	50
2275	65	50
2275	65	30
2275	65	30
2275	65	5

2275	60	55
2275	60	50
2275	60	50
2275	60	45
2275	60	45
2275	60	40
2275	60	40
2275	60	35
2275	60	15
2275	60	5
2275	55	45
2275	55	45
2275	55	45
2275	55	45
2275	55	45
2275	55	45
2275	55	40
2275	55	30
2275	55	15
2275	55	5
2275	50	40
2275	50	40
2275	50	40
2275	50	40
2275	50	40
2275	50	40
2275	50	35
2275	50	35
2275	50	35
2275	50	30
2275	50	25
2275	50	15
2275	45	15
2275	45	5

数据录入:OO TOPGUN

国家	单位名	单位类型	武器名	武器Hash值	原版GUID	备注
美	MBT-70	坦克	XM-150	B389068670890000		1 ins, 1 unit
兔	ZTZ-88B	坦克	T83	44E2198100000000		1 ins, 1 unit
兔	ZTZ-85-II	坦克	T83	44E2198100000000		1 ins, 1 unit
兔	ZTZ-80		T83	44E2198100000000		1 ins, 1 unit
兔	ZTZ-59-IIA		T83	44E2198100000000		1 ins, 1 unit
朝鲜	Type 59-IB		T69-II	8AE1058100000000		1 ins, 1 unit
朝鲜	Type 59-I		T69-II	8AE1058100000000		1 ins, 1 unit
兔	ZTZ-59-I		T69-II	8AE1058100000000		1 ins, 2 unit
朝鲜	SINHUNG		T62-85TC	8D6724C3E1010000		1 ins, 3 unit,
朝鲜	TYPE 63		T62-85TC			shared
兔	ZTS-63-I		T62-85TC			shared
法	AMX-13 HARPON		SA.50	81B1740602000000		1 ins, 1 unit
东德	KPz T-34/85M		S-53	84D1010000000000		1 ins, 5 unit
朝鲜	T-34/85		S-53			shared
苏联	T-34/85 Obr.1969		S-53			shared
波兰	T-34/85M1		S-53			shared
南斯	T-34B		S-53			shared
瑞	IKV 105		Rh-105-11	82600442CB010000		1 ins, 1 unit
芬兰	CHARIOTEER		QF 20-pdr	775A070300000000		1 ins, 6 unit
加	CENTURION Mk.5		QF 20-pdr			shared
加	CENTURION Mk.5AT		QF 20-pdr			shared
丹	#command FFC CENTURIO		QF 20-pdr			shared
澳	CENTURION MK5/1		QF 20-pdr			shared
丹	CENTURION 84mm		QF 20-pdr			shared
兔	ZTZ-59-II		PLA 105	BBD91881B0581A00		1 ins, 1 unit
法	AMX-10 RC SB		MECA L/48	F46CA24BF35C0000		1 ins, 1 unit
法	AMX-10 RC #reco1		MECA L/48	F46CA24BF35C0000		1 ins, 1 unit
美	M60A2E1 STARSHIP		M81E1	B3890A4F72010000		1 ins, 2 unit
美	M60A2E2 STARSHIP		M81E1			shared
美	M551A1 SHERIDAN		M81	B3890AC905000000		1 ins, 3 unit
美	M551 ACAV #reco1		M81			shared
美	M551A1 (TTS) #reco2		M81			shared
美	M60A1 ERA	坦克	M68A1	B3890A4B725C0000		1 ins, 1 unit
美	M1IP ABRAMS	坦克	M68A1	B3890A4B725C0000		1 ins, 3 unit
以	MERKAVA IIA	坦克	M68A1			shared
以	MERKAVA IIB	坦克	M68A1			shared
美	M1 ABRAMS	坦克	M68A1	B3890A4B725C0000		1 ins, 4 unit

美	#command CMD 指挥坦克	M68A1		shared
以	#command MERKAVA I 指挥坦克	M68A1		shared
以	MERKAVA I 坦克	M68A1		shared
美	SUPER M60 坦克	M68A1	B3890A4B725C0000	1 ins, 1 unit
美	M60A3 PATTON 坦克	M68A1	B3890A4B725C0000	1 ins, 1 unit
以	MAG'ACH 6 坦克	M68A1	B3890A4B725C0000	1 ins, 1 unit
以	SH'OT KAL DALEI 坦克	M68	333D9B68725C0000	1 ins, 1 unit
韩国	M48A5K 坦克	M68	333D9B68725C0000	1 ins, 1 unit
以	SH'OT KAL 坦克	M68	333D9B68725C0000	1 ins, 1 unit
美	M60A1 AOS 坦克	M68	333D9B68725C0000	1 ins, 2 unit
美	M60A1 RISE PAT 坦克	M68		shared
美	M60A1 USMC 坦克	M68	333D9B68725C0000	1 ins, 2 unit
美	#command CMD 指挥坦克	M68		shared
挪威	M48A5 坦克	M68	333D9B68725C0000	1 ins, 2 unit
挪威	KoVogn M48A5 指挥坦克	M68		shared
美	M48A5 USMC 坦克	M68	333D9B68725C0000	1 ins, 1 unit
以	TIRAN-5 BLAZER 侦察坦克	M68	333D9B68725C0000	1 ins, 1 unit
挪威	M24 坦克	M6	C7050000000000000	1 ins, 1 unit
西德	KPz M48A2G 坦克	M41	4271050A00000000	1 ins, 2 unit
韩国	M48A3K 坦克	M41		shared
挪威	M48A1 坦克	M41	4271050A00000000	1 ins, 3 unit
日本	ROKU-ICHI SHIKI 坦克	M41		shared
韩国	#command M48A3 JIHWI-1 坦克	M41		shared
南斯	M-47 PATON 坦克	M36	0771050A00000000	1 ins, 1 unit
丹	M41 DK1 #reco1 坦克	M32	0371010000000000	1 ins, 1 unit
丹	M41A1 #reco1 坦克	M32	0371010000000000	1 ins, 3 unit
澳	M41A1 坦克	M32		shared
日本	M41A1 坦克	M32		shared
韩国	M36 坦克	M3	C425CB8102000000	1 ins, 2 unit
南斯	SO-90 坦克	M3		
韩国	M18 坦克	M1A2	C3225C0702000000	1 ins, 2 unit
南斯	SO-76 坦克	M1A2		
日本	NANA-YON SHIKI 坦克	L7A3	F46CA2C482580000	1 ins, 1 unit
西德	LEOPARD 1A5 坦克	L7A3	F46CA2C482580000	2 ins, 4 unit,
挪威	LEOPARD 1A5NC 坦克	L7A3		shared
丹	LEOPARD 1A5-D1 坦克	L7A3		shared
澳	LEOPARD AS1+ 坦克	L7A3		shared
荷兰	LEOPARD 1-V 坦克	L7A3	F46CA2C482580000	1 ins, 2 unit
荷兰	LEOPARD VERKEI 侦察坦克	L7A3		shared
南非	OLIFANT MK1B 坦克	L7A3	F46CA2C482580000	1 ins, 1 unit
加	#command CMD LEOPARD L7A3	L7A3	F46CA2C482580000	1 ins, 1 unit
丹	LEOPARD 1A3-DK 坦克	L7A3	F46CA2C482580000	1 ins, 3 unit
西德	LEOPARD 1A4 坦克	L7A3		shared

加	LEOPARD C1	L7A3		shared
日本	NANA-YON SHIKI C	L7A3	F46CA2C482580000	1 ins, 1 unit
日本	NANA-YON SHIKI A	L7A3	F46CA2C482580000	1 ins, 3 unit
日本	#command NAN/指挥坦克	L7A3		shared
挪威	LEOPARD 1A1NO	L7A3	F46CA2C482580000	1 ins, 1 unit
南非	OLIFANT MK1A	L7A3	F46CA2C482580000	1 ins, 1 unit
西德	MARDER VTS1 主炮坦歼	L7A3	F46CA2C482580000	1 ins, 1 unit
南非	OLIFANT MK1	L7A3	F46CA2C482580000	1 ins, 2 unit
南非	OLIFANT BV 指挥坦克	L7A3		shared
西德	PzAufk LEOPARD 侦察坦克	L7A3	F46CA2C482580000	1 ins, 1 unit
荷兰	LEOPARD 1 NL	L7A3	F46CA2C482580000	1 ins, 6 unit
西德	#command PzBef 指挥坦克	L7A3		shared
西德	LEOPARD 1A2 坦克	L7A3		shared
澳	LEOPARD AS1	L7A3		shared
澳	#command CMD 指挥坦克	L7A3		shared
荷兰	#command LEOP 指挥坦克	L7A3		shared
挪威	LEOPARD 1NO	L7A3	F46CA2C482580000	1 ins, 1 unit
瑞典	STRV 105 坦克	L7	7A3EAB0D62010000	1 ins, 1 unit
瑞典	STRV 104	L7	7A3EAB0D62010000	1 ins, 1 unit
丹	CENTURION Mk5/2-DK	L7	7A3EAB0D62010000	1 ins, 1 unit
丹	CENTURION 105mm	L7	7A3EAB0D62010000	1 ins, 3 unit
荷兰	CENTURION Mk.7	L7		shared
加	CENTURION Mk.11	L7		shared
瑞典	STRV 102R	L7	7A3EAB0D62010000	1 ins, 1 unit
加	CENTURION Mk.6	L7	7A3EAB0D62010000	1 ins, 2 unit
瑞典	STRV 102	L7		shared
西德	KPz M48A2G2 坦克	L7	7A3EAB0D62010000	1 ins, 1 unit
英	FV601 SALADIN	L5A1	8675200000000000	1 ins, 3 unit
西德	LEOPARD 2	L44	333D9B6851580000	1 ins, 2 unit
西德	#command PzBefWg LEOP	L44		shared
西德	KPz 70 KEILER	L44	333D9B6851580000	1 ins, 1 unit
瑞	IKV 103	L28	C960010000000000	1 ins, 1 unit
澳/英	SCORPION LIGHT TANK	L23A1	0702651C00000000	1 ins, 7 unit
澳/英	SCORPION LIGHT TANK	L23A1		shared
英	FV101 SCORPION #reco1	L23A1		shared
美	V-150 76mm	L23A1		shared
加	COUGAR	L23A1		shared
加	COUGAR RECON #reco1	L23A1		shared
英	CHIEFTAIN Mk.10	L11A5	B3891A8B20580000	1 ins, 2 unit
英	#command CMD CHIEFTA	L11A5		shared
英	CHIEFTAIN Mk.5	L11A5	B3891A8B20580000	1 ins, 1 unit
英	CHIEFTAIN Mk.2	L11A5	B3891A8B20580000	1 ins, 1 unit
瑞典	STRV 103C 坦克	L/62	C361010000000000	1 ins, 1 unit

瑞	#command STRISTRV 103E L/62	C3610100000000000	1 ins, 2 unit
瑞	STRV 103B	L/62	shared
瑞	IKV 91	Kv-90S73	5DA0EC1500000000
韩国	K1 坦克	KM68A1	C2921C5705000000
以	HVMS #reco1	HVMS	B21C1CDD054A0000
南非	ROOIKAT 76 Mk1C	GT-4	20047A95453E1C08
南非	ROOIKAT 76	GT-4	
南非	RATEL 90	GT-2	CC23798F07521209
南非	ELAND 90	GT-2	
南非	ELAND 90 ENTAC	GT-2	
荷	AMX-13 FL-15	FL15	8660410000000000
荷	AMX-13 FL-12 #reco1	FL12	8360410000000000
法	ERC-90 SAGAIE	F4	0514280000000000
法	AMX-13/90 #reco1	F3	0414280000000000
法	AMX-30B2 BRENI 坦克	F1	0214280000000000
法	AMX-30B2	F1	0214280000000000
法	AMX-30	F1	0214280000000000
法	AMX-30B	F1	
法	#command AMX-30B CNE F1		shared
法	AML 90 #reco1	F1	0214280000000000
以	PT-76B	D-56T	DE61380000000000
南斯	PT-76B	D-56T	
波兰	PT-76B DESANT	D-56T	
苏联	PT-90	D-45	46E1000000000000
以	M51 ISHERMAN	D1504	B329DF6A8B1B8100
南斯	T-55AH IGMAN	D-10T	5E20380000000000
南斯	T-55AI IGMAN	D-10T	5E20380000000000
波兰	T-55AM2 MERIDA	D-10T	5E20380000000000
波兰	T-55AM MERIDA	D-10T	5E20380000000000
东德	KPz T-55AM2PB	D-10T	5E20380000000000
苏联	T-55AM2	D-10T	
苏联	T-55AMV	D-10T	
捷克	T-55AM2B	D-10T	
捷克	T-55AM2 DYNA-1	D-10T	
东德	KPz T-55AM1PB	D-10T	5E20380000000000
苏联	T-55AM	D-10T	
捷克	T-55AM1B	D-10T	
南斯	T-55A TLD	D-10T	5E20380000000000
东德	KPz T-55A	D-10T	5E20380000000000
苏联	T-55A	D-10T	
波兰	T-55L	D-10T	
芬兰	T-55A	D-10T	
捷克	T-55A	D-10T	

朝鲜 Type 59	D-10T	5E2038000000000000	2 ins, 12 unit
兔 SU-100	D-10T	5E2038000000000000	1 ins, 2 unit
朝鲜 SU-100	D-10T		shared
挪威 NM116 #reco2	D/925	C6A03800000000000	1 ins, 1 unit
澳 SCORPION 90	Cockerill Mk.8	097CC128DD000000 00000000-0000-0000-0000-00000000	1 ins, 2 unit
韩国 KAFV 90 #reco1	Cockerill Mk.8		shared
美 V-150 90mm	Cockerill Mk.3	047CC128DD000000	1 ins, 1 unit
西德 KANONENJAGDPANZER BK 90/L40		8152310000000000	1 ins, 1 unit
苏联 BMP-685	2A48-1	42522C0300000000	1 ins, 1 unit
南斯 M-84	坦克	2A46M	1 ins, 1 unit
苏联 T-80B	坦克	2A46M	1 ins, 1 unit
苏联 T-80	坦克	2A46M	1 ins, 1 unit
波 T-72M1 JAGUAR	坦克	2A46	47B10C0000000000 1 ins, 3 unit
捷 T-72M1cz	坦克	2A46	
芬 T-72M1	坦克	2A46	shared
苏联 T-64B		2A46 47B10C0000000000 00000000-0000-0000-0000-00000000	1 ins, 1 unit
东德 KPz T-72M	坦克	2A46 47B10C0000000000	1 ins, 6 unit
苏联 T-72A	坦克	2A46	shared
波兰 T-72M JAGUAR	坦克	2A46	shared
南斯 T-72M	坦克	2A46	shared
捷克 T-72M	坦克	2A46	shared
朝鲜 T-72M	坦克	2A46 47B10C0000000000	1 ins, 1 unit
苏联 T-64A		2A46 47B10C0000000000	1 ins, 1 unit
东德 KPz T-72		2A26 C7B00C0000000000	1 ins, 7 unit,
苏联 T-72		2A26	shared
波兰 T-72		2A26	shared
捷克 T-72		2A26	shared
苏联 T-62M	坦克	2A20 C1B00C0000000000	1 ins, 2 unit
苏联 T-62M1		2A20	shared
苏联 T-62 obr 1975		2A20 C1B00C0000000000	1 ins, 2 unit
捷克 T-62cz		2A20	shared
朝鲜 CH'ONMA-HO II		2A20 C1B00C0000000000	1 ins, 1 unit
朝鲜 CH'ONMA-HO		2A20 C1B00C0000000000	1 ins, 2 unit
苏联 T-62		2A20 C1B00C0000000000	1 ins, 3 unit
朝鲜 T-62D		2A20	shared
波兰 ASU-85M		D-70	
苏联 ASU-85M		D-70	
苏联 BTR-70 ZHALO		2A62	
芬兰 STURMI		StuK 40L/48	
苏联 SU-122-54		D-49	
苏联 2S15 NOROV		2A15 Norov	
朝鲜 ATS-103		BS-3	

南斯 M-8 GREJHAUND	M6(37mm)
苏联 PT-85	D44
苏联 BMD-1P	2A28 Grom
苏联 BMD-1	2A28 Grom
芬兰 BMP-1	2A28 Grom
苏联 BMP-1	2A28 Grom
苏联 BMP-1P	2A28 Grom
苏联 BMP-1D	2A28 Grom
捷克 BVP-1	2A28 Grom
捷克 BVP-1P	2A28 Grom
波兰 BWP-1	2A28 Grom
东德 SPz BMP-1 SP-1	2A28 Grom
东德 SPz BMP-1 SP-2	2A28 Grom
东德 SPz BMP-1 P/c	2A28 Grom
朝鲜 KORSHUN	2A28 Grom
兔子 ZBD-86	2A28 Grom
东德 AufkPz BRM-1	2A28 Grom
芬兰 BMP-1 TJJ	2A28 Grom
捷克 BPzV SVATAVA	2A28 Grom
苏联 BRM-1K	2A28 Grom

原口径	原版射程	原版静止精度(%)	原版移动精度(%)	原版KE	原2275KE	原版HEA·	原版HEA·	
							原版HEA·	原版HEA·
105	2100	55	45	16	16	13		
105	2275	60	45	16	16			
105	2275	55	40	16	16			
105	2100	55	30	15	14			
105	2100	50	25	16	15			
100	2100	45	15	16	15			
100	1925	40	15	15	13			
100	1925	40	15	10	8			
45% acc ins ε	1925	40	15	11				
	1925	40	15	11				
	1925	40	15	11				
	1750	35	5	6				
	1750	40	5			10		
	1750	40	5			10		
	1750	40	5			10		
	1750	40	5			10		
	1750	40	5			10		
	2100	60	35	16				
	1925	40	10	8				
	1925	40	10	8				
	1925	40	10	8				
	1925	40	10	8				
	1925	40	10	8				
	2100	50	15	12				
105	2275	55	5	16	16			
105	2100	55	5	12	11			
	1925	45	15	11				
	1925	45	15	11				
	1925	40	20	11				
	1925	40	20	11				
	1925	40	20	11				
105	2275	60	30	15	15			
105	2100	65	50	15	14			
	2100	65	50	15	14			
	2100	65	50	15	14			
105	2100	65	50	13	12			

	2100	65	50	13	12	
	2100	65	50	13	12	
	2100	65	50	13	12	
105	2100	60	40	15	14	
105	2100	60	30	13	12	
105	2100	50	25	15	14	
105	2100	50	15	13	12	
105	2100	45	5	13	12	
105	2100	35	10	11	10	
105	1925	45	25	13	11	
	1925	45	25	13	11	
105	1925	45	5	11	9	
	1925	45	5	11	9	
105	1925	45	5	11	9	
	1925	45	5	11	9	
105	1925	45	5	9	7	
105	1925	40	25	13	11	
	1575	40	5	4		
90	1925	45	5	9		
	1925	45	5	9		
90	1750	40	5	8		
	1750	40	5	8		
	1750	40	5	8		
	1750	40	5	8		
76	1750	60	10	10		
76	1750	40	10	8		
	1750	40	10	8		
	1750	40	10	8		
	1925	40	5	8		
	1575	50	5	6		
105	2275	65	55	16	16	
105	2275	65	50	16	16	
	2275	65	50	16	16	
	2275	65	50	16	16	
	2275	65	50	16	16	
105	2275	65	50	15	15	
	2275	65	50	15	15	
105	2275	60	35	16	16	
105	2100	60	45	13	12	
105	2100	60	45	12	11	
	2100	60	45	12	11	

	2100	60	45	12	11	
105	2100	50	35	13	12	
105	2100	50	35			10
	2100	50	35			10
105	2100	45	35	15	14	
105	2100	45	20	13	12	
105	2100	40	5	15	14	
105	2100	35	10	11	10	
	2100	35	10	11	10	
105	1925	45	35	12	10	
105	1925	45	35	11	9	
	1925	45	35	11	9	
	1925	45	35	11	9	
	1925	45	35	11	9	
	1925	45	35	11	9	
105	1925	45	35	9	7	
105	2275	70	40	16	16	
105	2100	60	25	13	12	
105	2100	55	25	13	12	
105	2100	45	15	11	10	
	2100	45	15	11	10	
	2100	45	15	11	10	
105	1925	60	20	11	9	
105	1925	45	15	10	8	
	1925	45	15	10	8	
105	1925	45	5	11	9	
	1575	35	5			7
	2275	60	50	16		
	2275	60	50	16		
	2275	50	45	15		
	1925	20	5			7
	2100	30	5	10		
	2100	30	5	10		
	2100	30	5	10		
	2100	30	5	10		
	2100	30	5	10		
	2275	60	40	16		
	2275	60	40	16		
	2100	60	35	14		
	1925	50	20	13		
105	2275	60	5	16	16	

105	2100	45	5	12	11	
	2100	45	5	12		
	1925	45	25			11
	2275	60	50	16	16	
	1925	60	40	11		
	2100	65	60	12		
	2100	65	60	12		
	1925	40	5			8
	1925	40	5			8
	1925	40	5			8
	2100	50	5	12		
	1925	40	5	10		
	1925	50	5	11		
	1925	40	5			8
105	2275	65	5	16	16	
105	2100	65	5	12	11	
105	2100	45	5			9
	2100	45	5			9
	2100	45	5			9
90	1925	40	5			8
	1750	40	10			10
	1750	40	10			10
	1750	40	10			10
	1925	50	20	9		
	1925	45	5			9
	2275	60	30	15	15	
	2275	60	30	13	13	
	2275	60	15	15	15	
	2100	55	15	13	12	
	2100	50	15	15	14	
	2100	50	15	15	14	
	2100	50	15	15	14	
	2100	50	15	13	12	
	2100	50	15	13	12	
	2100	50	15	13	12	
	2100	40	15	12	11	
	1925	40	15	11	9	
	1925	40	15	11	9	
	1925	40	15	11	9	
	1925	40	15	11	9	

	1925	30	10	11	9	
	1925	30	5	11	9	
	1925	30	5	11	9	
	1925	40	5			10
	2100	55	5	13		
	2100	55	5	13		
	1925	45	5	8		
	1925	30	5	10		
	1925	65	35	11		
	2275	60	55	16	16	
	2275	50	35	16	16	
	2275	40	30	16	16	
	2275	50	35	16	16	
	2275	50	35	16	16	
	2275	50	35	16	16	
	2100	50	35	16	15	
	2100	50	35	14	13	
	2100	50	35	14	13	
	2100	50	35	14	13	
	2100	50	35	14	13	
	2100	50	25	18	17	
	2100	40	25	13	12	
1 depre 12 A	1925	45	25	13	11	
	1925	45	25	13	11	
	1925	45	25	13	11	
	1925	45	25	13	11	
	2275	45	15	15	15	
	2275	45	15	15	15	
	2100	45	15	13	12	
	2100	45	15	13	12	
	2100	45	10	16	15	
	1925	40	10	13	11	
	1925	40	10	11	9	
	1925	40	10	11	9	
85	1925	30		9		
85	1925	50	20	9		
75	1750	40		6		
122	1925	25		7		
100	2100	50	25	13		
103	2100	45		13		

37	1575	30	5	2
85	1925	50	20	9

20连发 (侦察型) , <https://military-history.fandom.com/wiki/BMP-1>

40连发 (普通型)

手动装填 (芬兰型)



原版短装填

原版长装填

原版连发数

单位Hash值

01E2311700000000

93D424895AFB1E00

52334D46A2D6BE07

F56D4A84205E0B00

4620ECF004000000

067CCDB47BEB3900

EEADE7B3DA604B03

EEADE7B3DA385703

82015F33EDDE7A0E

83015F33EDDE7A0E

B7DE355C2088D702

0D1708E2B5000000

F86DE6DDB004C705

9D2C07C3B004C705

C22218C605000000

A97BAB6D2718C605

9DE7098671010000

DDB7708FB004C705

B86CDEE7A24DC205

CB3499BB09DFEA05

CC3499BB09DFEA05

B86CDEE7225C0000

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		E272ABB5DE05C705 749E9B1AB104C705 478B9AAC79010000 B21BC56695D36D07 55C655C692141700 B159E574DB010000 A6D6658BB004C705
	6	DAD34D9CB004C705 749E9B9AB004C705
	6	C2121C9773350000
	7.5	373D1B4B525C0000
		796E6AC692141700 BF1933C66CDEAE07 EB6AB64D315C0000 D1B024C5F56B1500 55C655C492141700 796E6AC292141700 DA4209875AFB1E00 19472C4971395703
		9523141700000000 4271010000000000 24B6088B505C0000 DA4209C505000000 55C61DC405000000
		55C625C205000000
		B3893D05A2D6BE07 C622A4B759D3AA05 19662C02AD5A0000 95632C02AD5A0000 46A20842B7D0AA05
		1828A4B759D3AA05 2A27A4B759D3AA05 4F6555D0C84D5004 4243AB9673350000 9523A4B759D3AA05 C522A4B759D3AA05

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	42E781B79ADEE605
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	1626A4B759D3AA05
	C422A4B759D3AA05
	C322A4B759D3AA05
	07A20842B7D0AA05
	43A20842B7D0AA05
	7223A4B759D3AA05
	1926A4B759D3AA05
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	4520DC7BDE010000
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	4620E4B3DA540E00
	D74CBBB79ECF6A03
	82005F33EDDE7A0E
	DC1008F79E770000
	077CCDB47BEB3900
	4320DC7BDE010000
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	A9199B9D101C2004
	437A9B35AD5A0000
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	4420ECF004000000
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	AE35D36E7DD36807
	F54DA39D10082004
	B27C208121800000
	6007DD26ABD30D00
	B7C9EA74A345E002
	81005FB36BE6AB0A
	66BEAA6EDB385703
	067CCDAE99AF2A00
	037CCDAE99AF2A00
	0D1108F79E770000

4420EC77DE395703
0C1108F79E770000
82B2C31300000000
55C6091500000000
DD054A0000000000

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ACD91550A034DC03
814208E2B5000000
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4C4088D702000000
746CEE4C4088D702
4C4088D7E25C0D00
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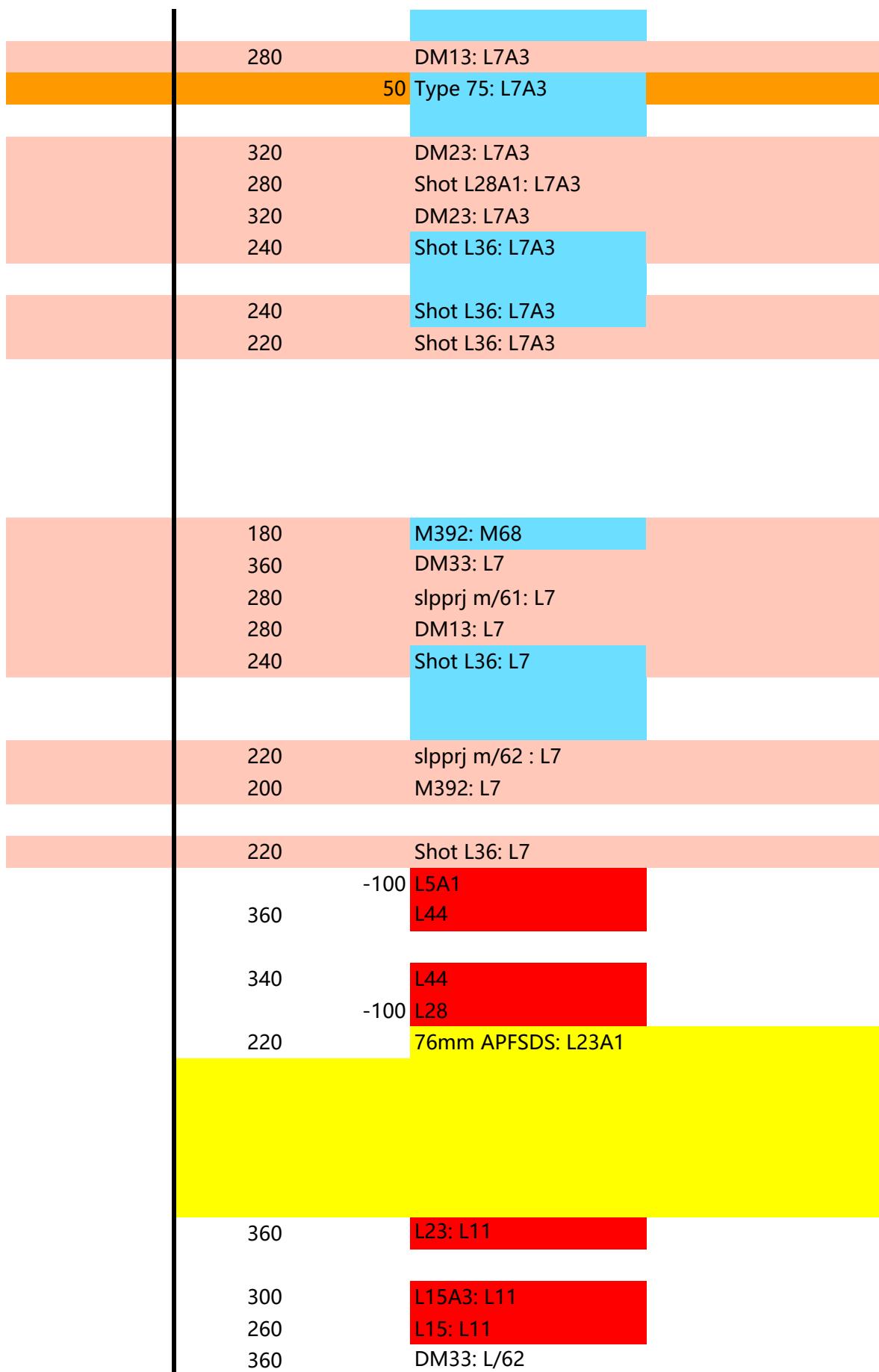
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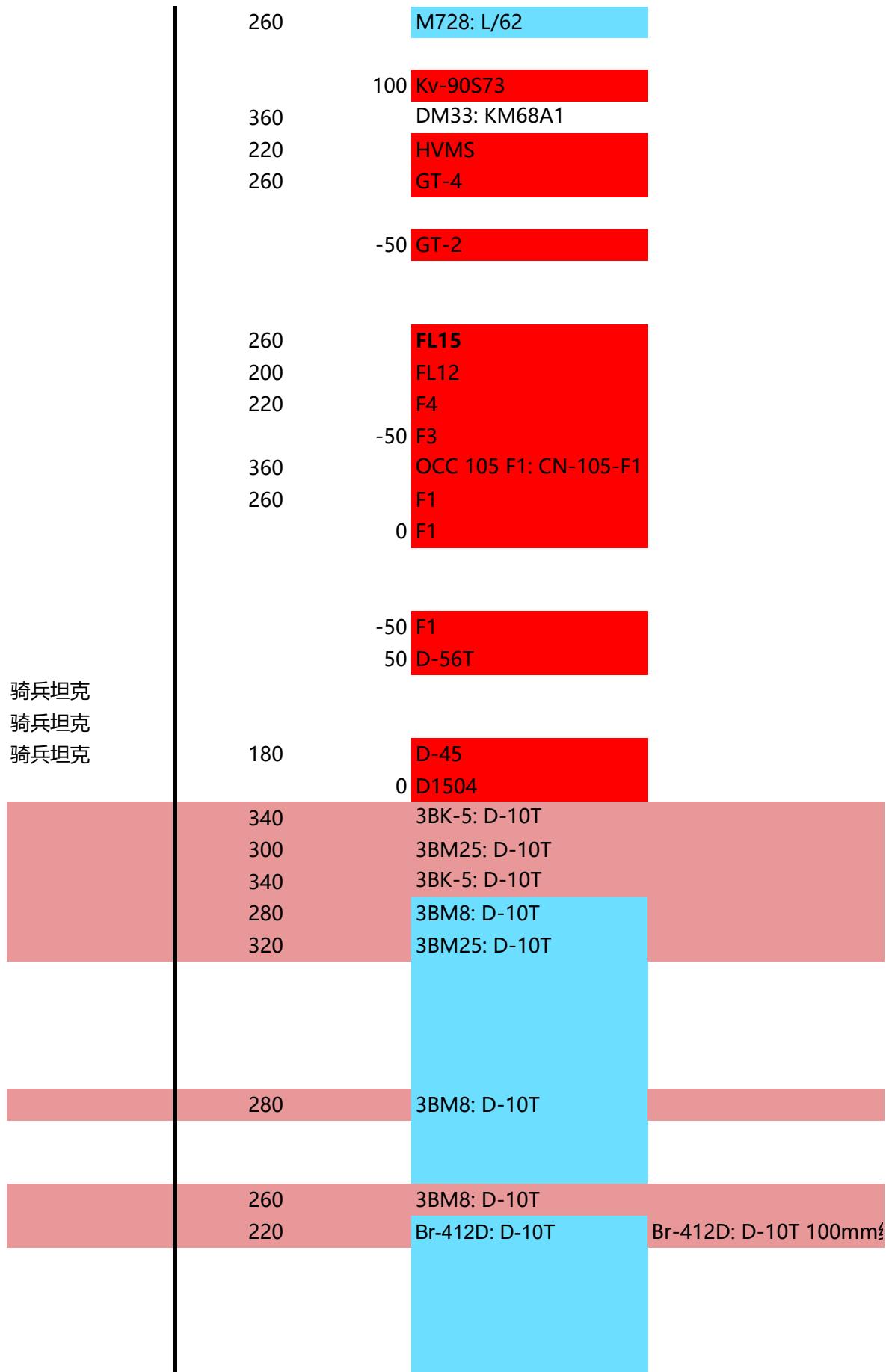
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B3BB0AD780780000

15B60C8807000000

备注	原版AP 2000m 对应穿深(m) m)	原版HEAT 对 新武器名		新武器名(中文名)
骑兵坦克	200	XM-150		
	360	HEAT: T83		DTW-105:83A式105mm线
	360	HEAT: T83		DTW-105:83A式105mm线
	320	T83(Early)		DTW-105:83式105mm线
	340	T81		DTW-105:83A式105mm线
	340	T69-II		3BM25:D-10T 100mm线
	300	T69-II		3BM25:D-10T 100mm线
	200	T69-II		100-APFSDS-T:59式100mm线
骑兵坦克	220	T62-85TC		
骑兵坦克	100	SA.50		
骑兵坦克	50	3BK2M: S-53		
骑兵坦克				
骑兵坦克				
骑兵坦克				
骑兵坦克	340	Rh-105-11		
骑兵坦克	160	Shot Mk.3: QF 20-pdr		
	260	PLA 105		
	360	OCC 105 F3: MECA L/48		
	260	MECA L/48		
	220	M81E1		
	220	M81		
	340	M735: M68A1		M735:M68A1 105mm线
	320	M111: M68A1		M111:M68A1 105mm线
	280	M392A2: M68A1		M392A2:M68A1 105mm

	320	M111: M68A1	M111:M68A1 105mm线膛炮
	280	M392A2: M68A1	M728:M68A1 105mm线膛炮
	320	M111: M68A1	M111:M68A1 105mm线膛炮
	280	M392A2: M68	M392:M68 105mm线膛炮
	280	M392A2: M68	M392:M68 105mm线膛炮
	240	M392: M68	M728:M68 105mm线膛炮
	260	M728: M68	M728:M68 105mm线膛炮
	220	M392: M68	M392:M68 105mm线膛炮
	220	M392: M68	M392:M68 105mm线膛炮
	180	M392: M68	M392:M68 105mm线膛炮
	260	M728: M68	M728:M68 105mm线膛炮
	40	M6	
	180	M41	
	140	M41	
	140	M36	
	180	M32	
	140	M32	
	160	M3	
	80	M1A2	
	360	Type 93: L7A3	
	360	DM33: L7A3	
	340	DM23: L7A3	
	360	DM33: L7A3	
	280	DM13: L7A3	
	260	M728: L7A3	





	220	Br-412D: D-10T	Br-412D: D-10T 100mm
	220	Br-412D: D-10T	Br-412D: D-10T 100mm
	280	50 D/925 Cockerill Mk.8	
	160	Cockerill Mk.3	
	200	BK 90/L40	
骑兵坦克	220	2A48-1	
	360	3BM22: 2A46M	
	360	3BM22: 2A46M	
	360	3BM22: 2A46M	
	360	3BM22: 2A46	
	340	3BM15: 2A46	
	300	3BM12: 2A46	
	380	3BM22: 2A46	
	280	3BM9: 2A46	
		3BM9: 2A26	
手动装填30发	340	3BM28: 2A20	
手动装填34发	280	3BM3: 2A20	
	340	3BM28: 2A20	
	260	3BM3: 2A20	
	220	3BM4: 2A20	

侦察坦克
侦察坦克

PG-9VNT: 2A28 Grom
PG-9VNT: 2A28 Grom
PG-9VNT: 2A28 Grom

侦察坦克
侦察坦克,手动10r
侦察坦克
侦察坦克

新武器Hash值	原价格	原年代	AP溢价	价格	年代
BBC00000000000000					
BBC000000000000	60	1988	15	75	
BBC000000000000	65	1989	15	80	
BBC0000000000003					
BBC0000000000004					
BBC0000000000005					
BBC0000000000006					
BBC0000000000007					
BBC0000000000008					
BBC0000000000009					
BBC00000000000010					
BBC00000000000011					
BBC00000000000012					
BBC00000000000013					
BBC000000000000	40	1991	10	50	
BBC00000000000015					
BBC00000000000016					
BBC00000000000017					
BBC000000000000	60	1988	5	65	
BBC000000000000	80	1984	5	85	
	90	1985	5	95	
	80	1983	5	85	
BBC000000000000	65	1980	5	70	

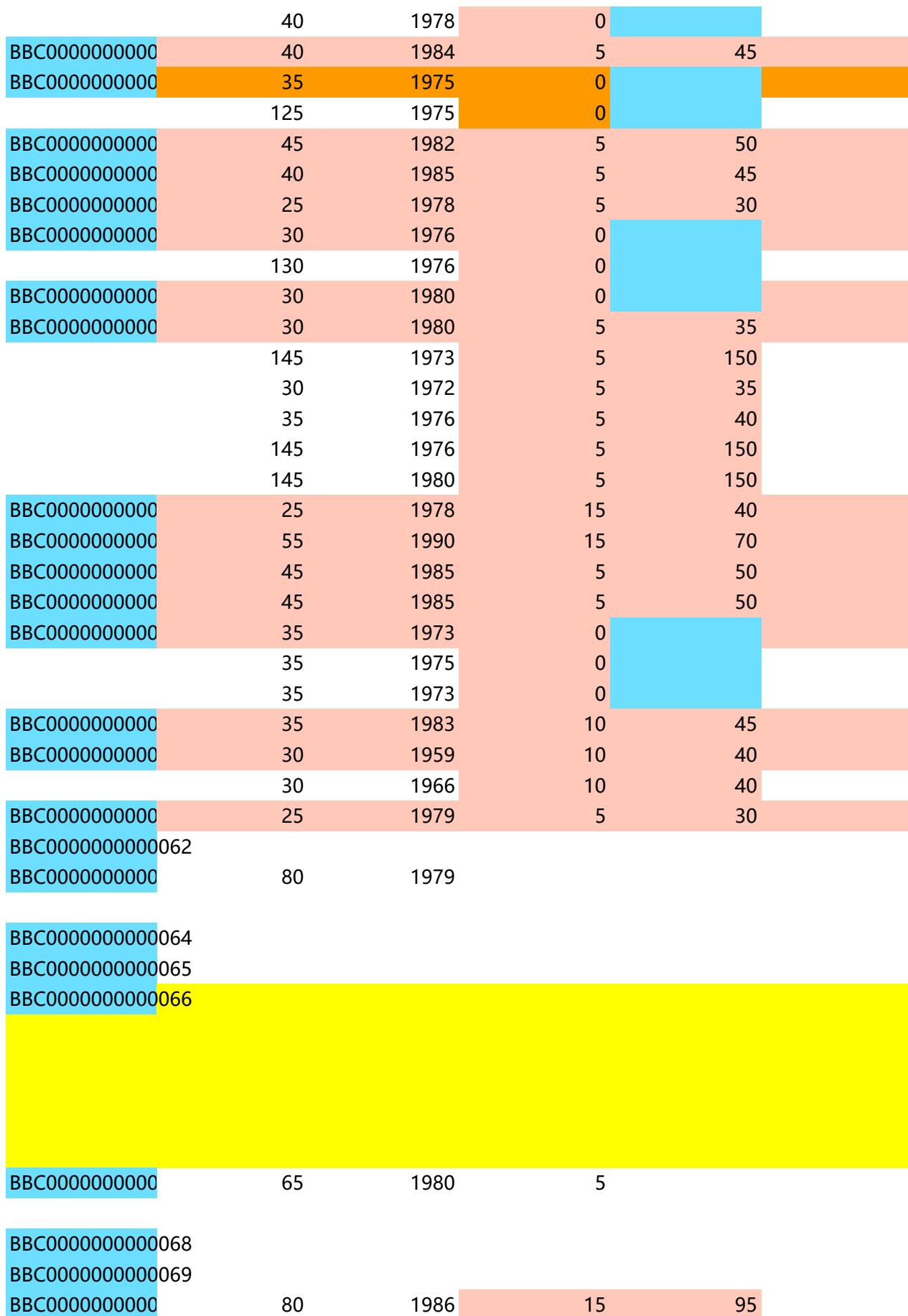
	160	1980	5	165	
	160	1979	5	165	
	65	1979	5	70	
BBC000000000000	60	1981	5	65	
BBC000000000000	50	1978	5	55	
BBC000000000000	55	1982	5	60	
BBC000000000000	40	1982	5	45	
BBC000000000000	35	1982	5	40	
BBC000000000000	30	1973	0		
BBC000000000000	40	1972	0		
	40	1975	0		
BBC000000000000	35	1962	5	40	
	140	1962	5	145	
BBC000000000000	25	1979	5	30	
	120	1979	5	125	
BBC000000000000	20	1975	15	35	
BBC000000000000	30	1973	0		
BBC00000000000032					
BBC00000000000033					
BBC00000000000034					

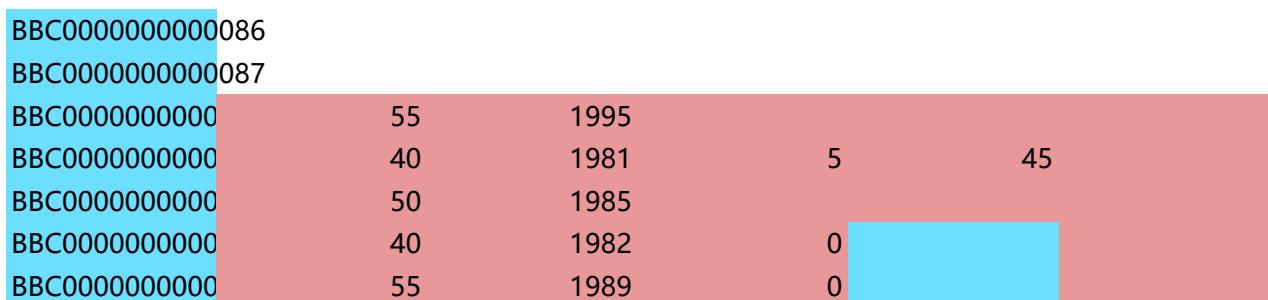
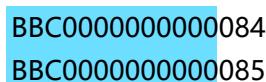
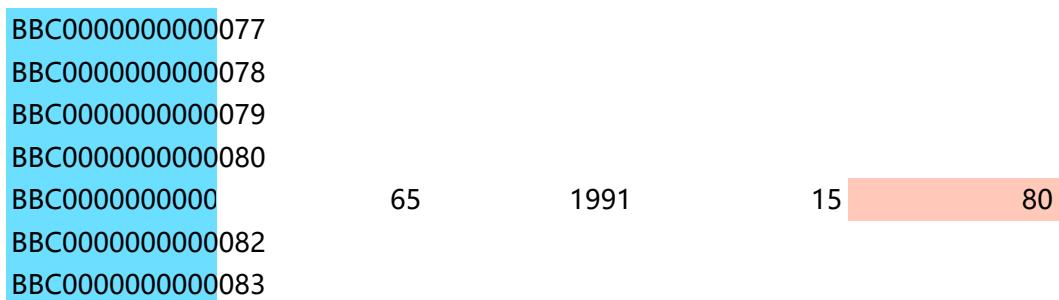
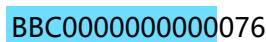
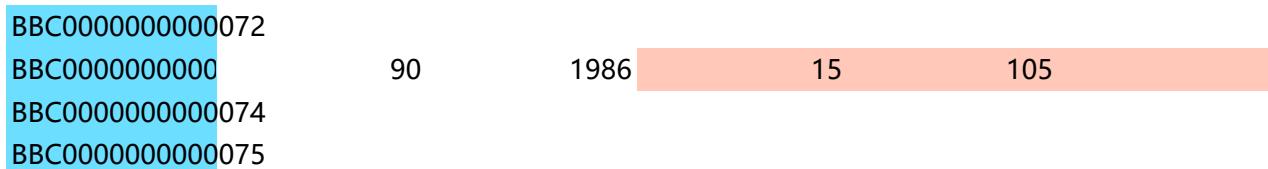
BBC00000000000035
BBC00000000000036
BBC00000000000037

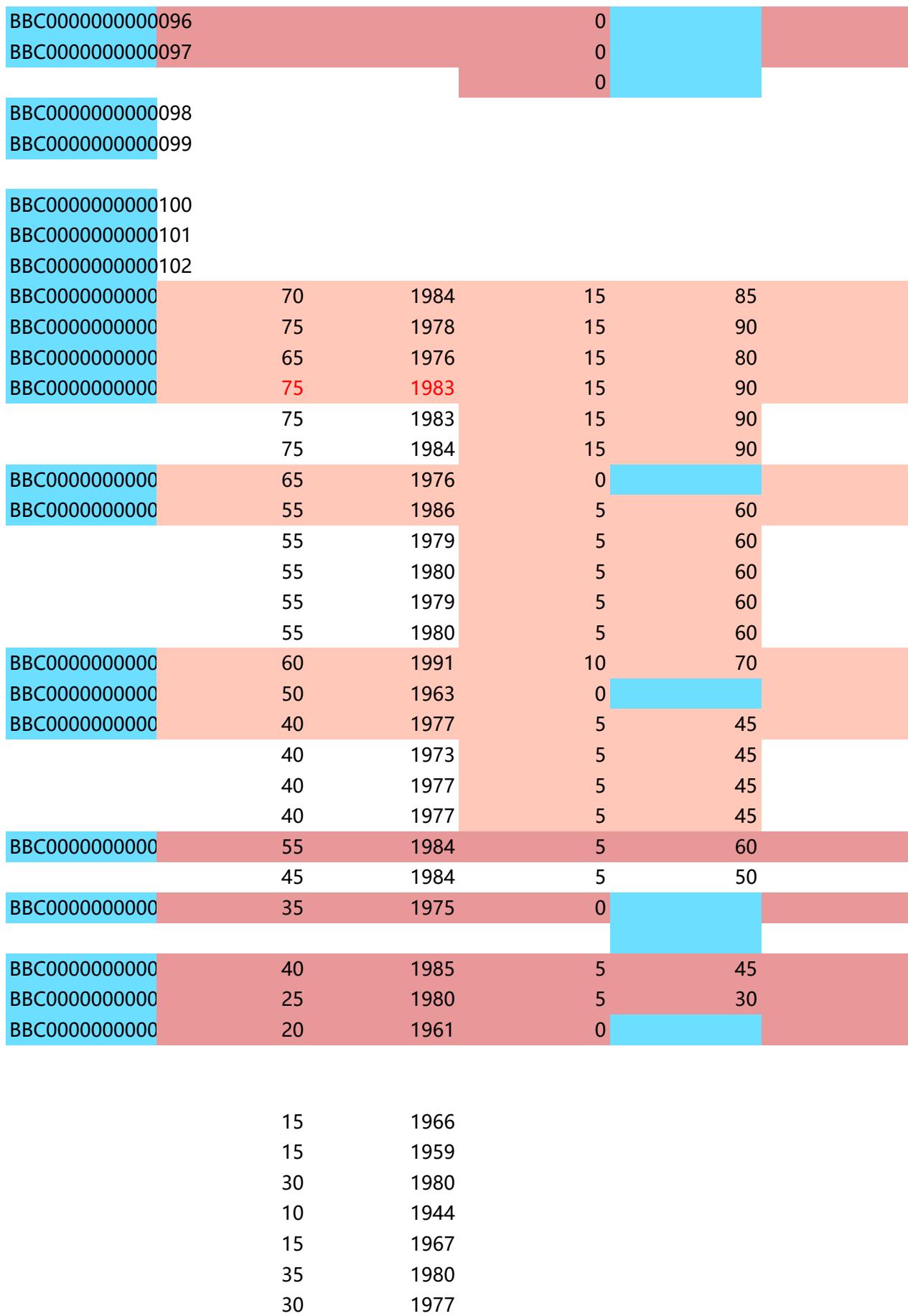
BBC00000000000038

BBC00000000000039

BBC000000000000	50	1987	15	65	1993
BBC000000000000	65	1987	15	80	
	65	1991	15	80	
	65	1990	15	80	
	55	1987	15	70	
BBC000000000000	55	1985	0		
	65	1985	0		
BBC000000000000	60	1991	15	75	
BBC000000000000	150	1978	5	155	
BBC000000000000	40	1976	0		
	40	1974	0		







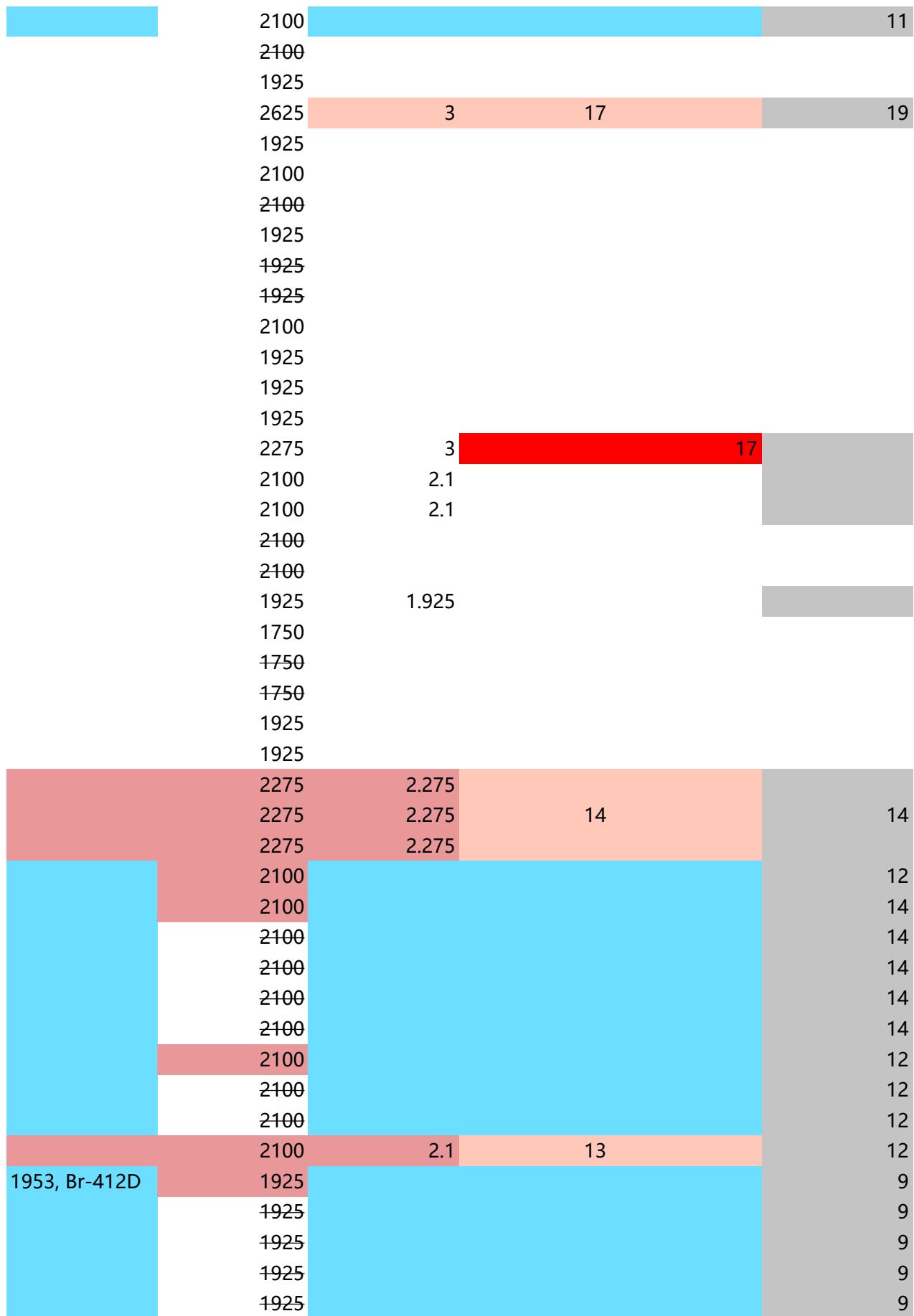
15	1948
40	1973

BBC00000000000117
BBC00000000000118
BBC00000000000119

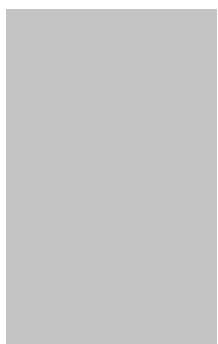
备注	对地射程	对地射程(km)		新KE穿深(2275)
		KE	HEAT	
	2100			
	2625	3		17
	2625	3		17
	2100	2.1		
	2100	2.1		
	2100			
	1925			
	1925			
	1925			
	1750			
1962s, 不溢价	1750			
	1750			
	1750			
	1750			
	1750			
	2100			
	1925		10	
	1925			
	1925			
	1925			
	1925			
	1925			
	2100			
	2275	3		16
	2100	2.1		
	1925			
	1925			
	1925			
	1925			
	1925			
DM23 1978	2275	2.275	16	16
以色列弹药	2100	2.1	16	15
	2100			15
	2100			15
	2100	2.1	14	13

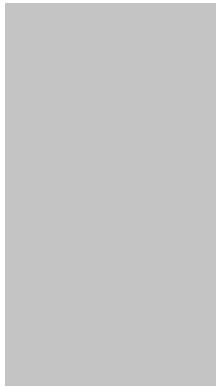
	2100			13
	2100			13
	2100			13
以色列弹药	2100	2.1	16	15
	2100	2.1	14	13
以色列弹药	2100	2.1	16	15
	2100	2.1	14	13
	2100	2.1	14	13
	2100			10
	1925			11
	1925			11
1961, M392	1925	1.925	12	10
	1925			10
1961, M392	1925	1.925	12	10
	1925			10
	1925	1.925	12	10
	1925			11
	1575			
	1925			
	1925			
	1750			
	1750			
	1750			
	1750			
	1750			
	1750			
	1750			
	1750			
	1925			
	1575			
	2625	3	17	19
	2625	3	17	19
	2275			19
	2275			19
	2275			19
	2275			15
	2275			15
	2625	3	17	19
	2100	2.1	14	13
1974, M728	2100			11
	2100			11

	2100			11
	2100	2.1	14	13
	2100			
	2100	2.1	16	15
	2100	2.1	14	13
	2100	2.1	16	15
	2100			
	2100			10
	2100			10
	1925			10
1961, L36	1925	1.925	12	10
	1925			10
	1925			10
	1925			10
	1925			10
	1925			10
	1925			10
	1925	1.925	12	10
DM33 1984	2625	3	17	19
	2100	2.1	14	13
	2100	2.1	14	13
	2100			10
	2100			10
	2100			10
	1925	1.925	13	11
	1925	1.925	12	10
	1925			10
1961, L36	1925	1.925	12	10
	1575			
	2275			
	2275			
	2275			
	1925			
	2100		9	
	2100			
	2100			
	2100			
	2100			
	2100			
	2275	2.5		
	2275			
	2100			
	1925			
	2625	3	17	19



1953, Br-412D	1925			9
1953, Br-412D	1925			9
	1925			9
	1925			
	2100			
	2100			
	1925			
	1925			
	1925			
	2625	3	17	
	2625	3	17	
3BM22, 1976	2625	3	17	
	2625	3	17	
	2275			
	2275			
	2100	2.1	16	
1968	2100	2.1	15	
	2100			
	2100			
	2100			
	2100			
	2450	2.45	18	
1962	2100			
	1925	1.925	14	
	1925			
	1925			
	1925			
	2275	2.275	16	
	2275			
	2100			
	2100			
	2100	2.1	17	
	1925	1.925	14	
1963, 3BM-4	1925			9
	1925			





1.5

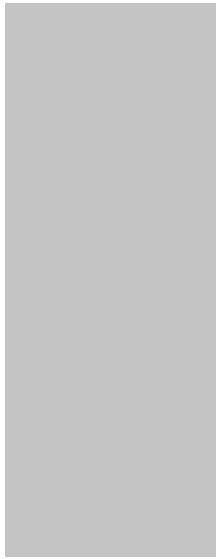
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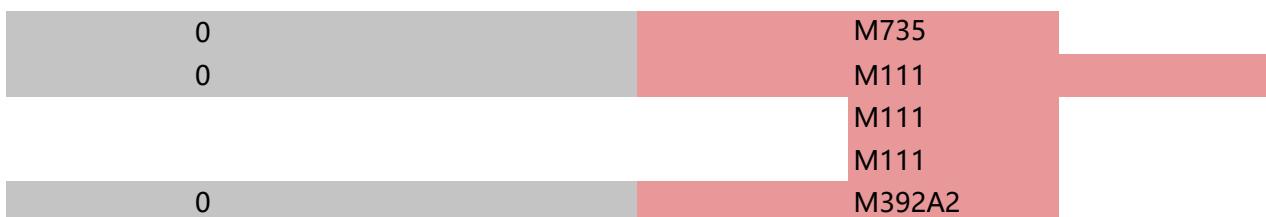
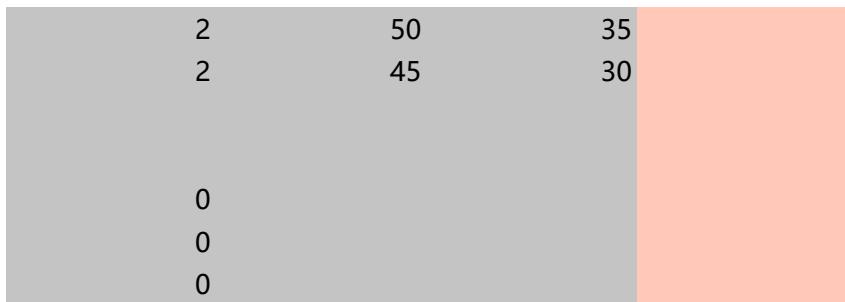
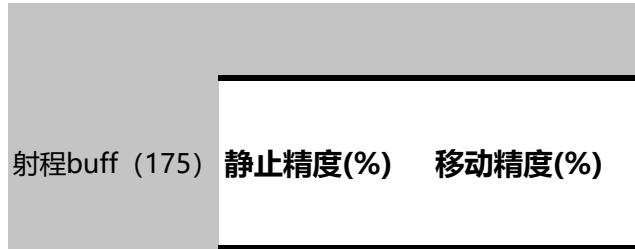
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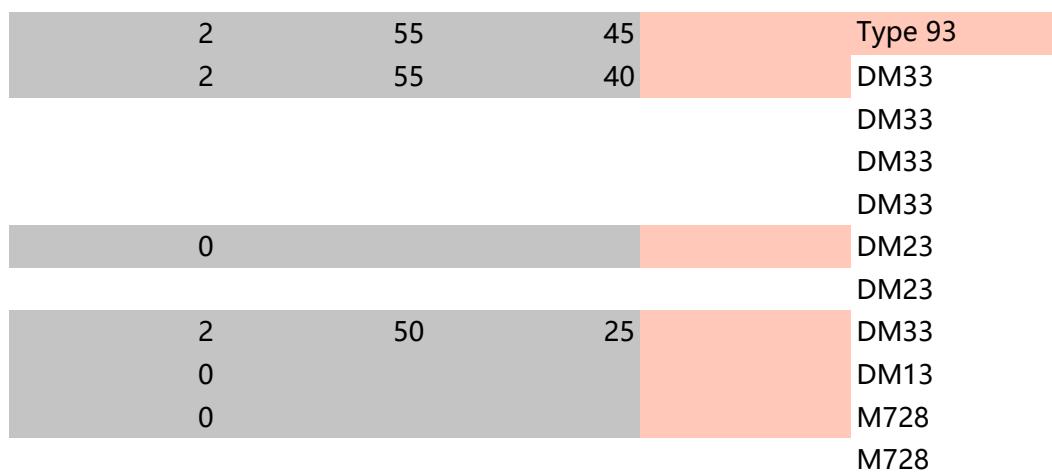
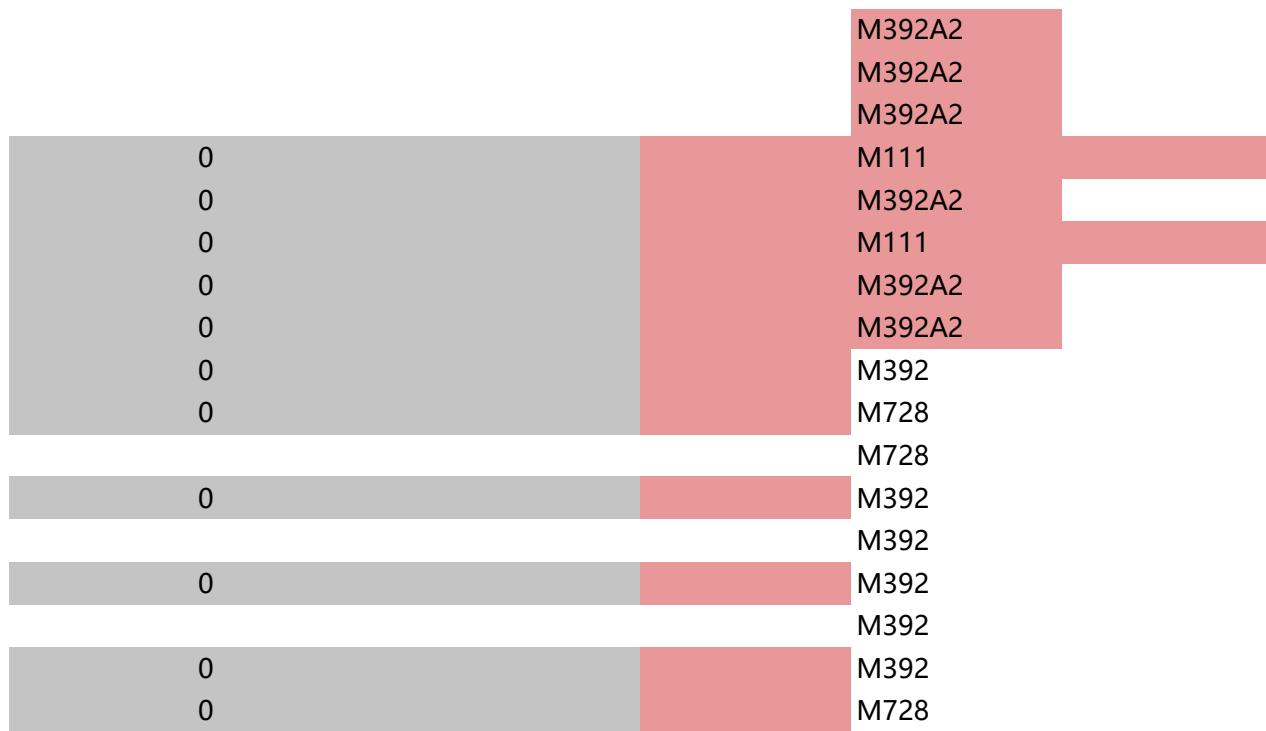
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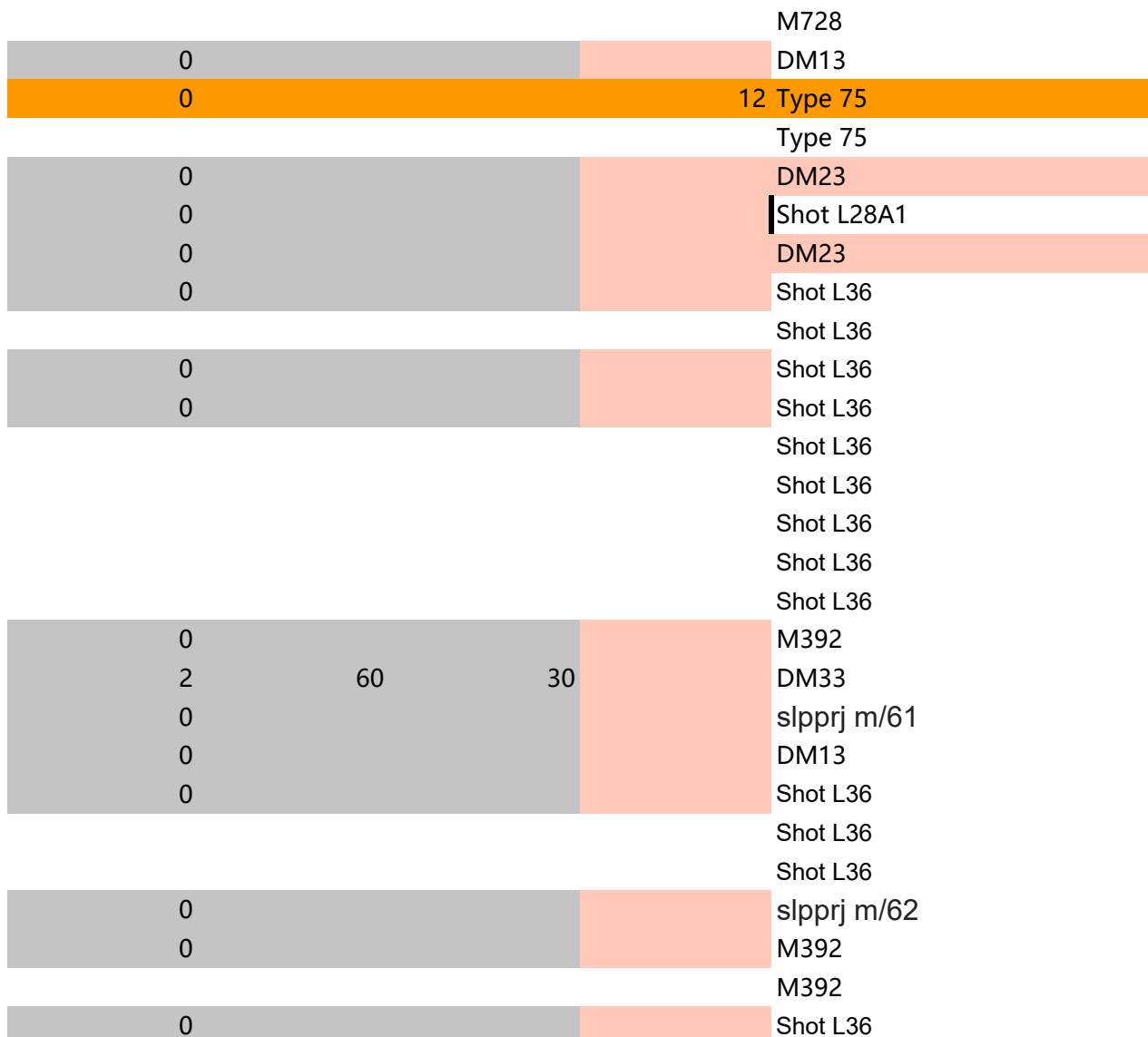
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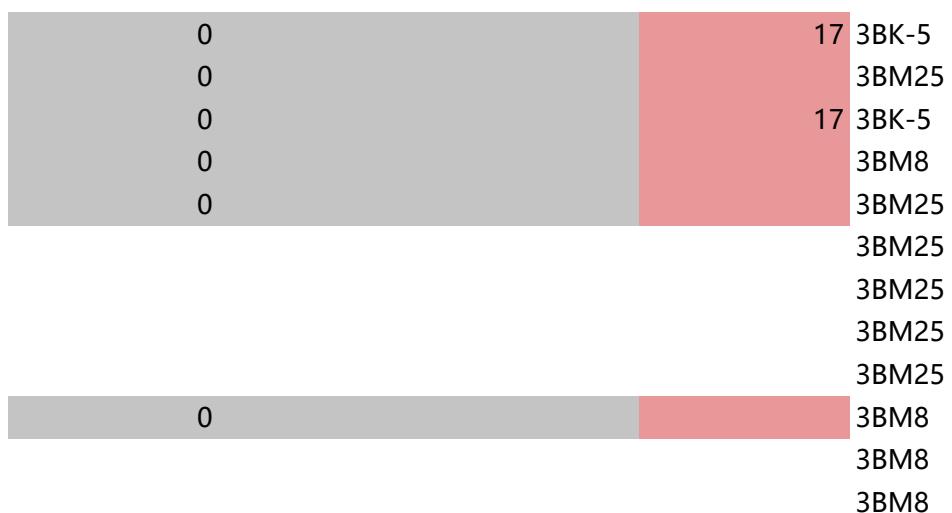
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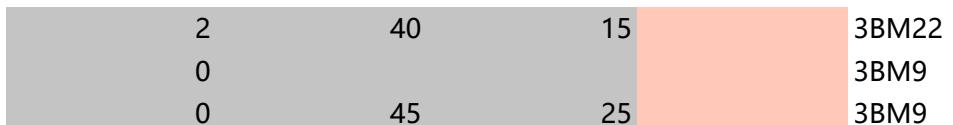
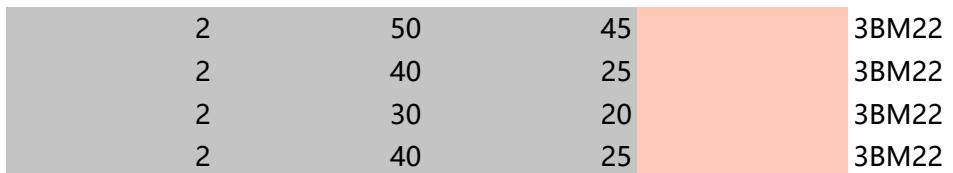














nilla

<http://fofanov.armor.kiev.ua/Tanks/ARM/apfsds/ammo.html>

https://japan2.wiki/wiki/125_mm_smoothbore_armor

SOVIET 125:	FOFANOV	WT	波兰表格
3BM42	1986	500	400
3BM46(48)	1991	650	500
3BM42M	199X	600-650	490
3BM59	2002 /	/	740
3BM60	/		530
3BM32	1985	560 /	500
3BM29	1982	470	/
3BM26	1983	450	/
3BM22	1976	430	380 /
3BM17	1972	330	/
3BM15	1972	340	400 /
3BM12	1968	315	/
3BM9	1962	290	250 /
波兰125 (PT91)			460 (图)
M256:	Steel Beasts	WT	波兰表格
M829	1985 500-550	450	550
M829A1	1988 600-650	560	700
M829A2	1993 650-700		740
M829A3	2003 740-790		800
M827(美国120炮)	1979		520
RM120 L44:	Steel Beasts	WT	波兰表格
DM12(HEAT)		480	
DM12A1(HEAT)		480	
DM13	1979 370-420	359	440
DM13A1	1983 390-440		
DM23	1983 420-470	376	480
DM23A1?			
DM33	1987 500-550	440	
DM33A1	1988		550
DM43(OFL120 F1)		507 640-700	
DM53	1999 650-700	604	
KE-W	1991 530-580		

KE-WA1	1999	570-620		
KE-WA2	2004	600-650		
Slpprj m/95	1995	550-600	580	
CL3142	1999	590-640	以色列	
GIAT CN120-26 F1:	Steel Beasts	WT	波兰表格	
OFL120 F1 APFSDS-	1993	590-640	540	
OFL120 F2 APFSDS-	1996	590-640		
OFL 120 G1			400	540-580
DM12A1(HEAT)	1979	600		
OCC 120 G1 (HEAT)			480	
120mm L11:				
L15A3			270	
L23			380	
120mm L11A5:				
L15	1965	290-340		
L23			380	
L23A1	1985	380-430, max 481357, max 396		
L26			444	
120mm L30:	Steel Beasts	WT		
L23A1	1985	380-430	357	
L26A1 CHARM1	1991	410-460	470	550
L27A1 CHARM3	1999	510-560	540	740
L28A1	2000s	530-580		
GIAT CN120-25 G1				
OFL 120 G1			370	
OCC 120 G1 (HEAT)			480	
L7	https://3g.163.com/dy/article/FK3BP0H405359990.html?spss=ada			
105mm L7	105mm L7	Steel Beasts	WT	波兰表格
105mm M68A1	M900(美)	1989	550-600?	486
105mm L7	DM63	2000	430-480	396
105mm L7	M426(以色列)=DM63			396
105mm L7	DM33=PPTFS M/8	1984	320-420	370
105mm L7	PPTFS M/85 LS(丹麦=DM-33)			370
105mm L7	Type 93 (日本)			370
105mm M68A1	M833(美)	1983	390-440	369
				500

105mm L7	M413(以色列)	500 (163网)		
105mm L7	DM12(HEAT)		400	
105mm L7	Type 91(日本, HEAT)		400	
105mm L7	M456 (HEAT)		400	
105mm M68, A1M774(美)		1979 340-390	343	360
105mm M68, A1M735(美)		1978 310-360	312	
105mm L7	DM23	1978 290-340	306	
105mm L7	M111(以色列)=DM23		306	340
105mm L7	slpprj m/80 (瑞典)		306	
105mm L7	DM13	/	252	
105mm L7	Shot L28A1		252	
105mm L7	slpprj m/61 (瑞典)		252	
105mm M68	M392A2(美)	1964 240-270	252	
105mm L7	slpprj m/62 (瑞典)		222	
105mm M68	M728(美) =UK L5	1974 200-250	222	
105mm M68	M392(美) =UK L3	1961 170-220		
105mm L7	DM502(HESH)		127	
105mm L7	Type 75(日本, HESH)		127	
105mm L7	L64A4	1983 310-360		
105mm L7	PL64(英)			
105mm L7	FP105(美)			
105mm L7	GD105(美)			
	105mm M68A1(L7 variant)			

105mm CN-105-F1(AMX-30-B2)	各国105表	WT	波兰表格
OFL 105 F1	1981	400	322
OFL 105 E2	1988		530
OCC 105 F1(HEAT)		400	400
105mm F2(AMX-10RC)			
OCC 105 F3(HEAT)		350	

100mm D-10T	Steel Beasts	网络
M1000A1	1991 410-460	>380mm
M309	1999 380-430	
3BM25	1978 330-380	260
BM20	1976 290-340	
3BM-8	1968 200-250	249
Br-412D	1953 140-190	170
3BK-5(HEAT)		380

115mm 2A20	Steel Beasts
3BM36	1988 420-470

3BM28		1978	360-410	350
3BM21		1975	330-380	370
3BM6		1967	160-210	
3BM4		1963	140-190	202
3BM3				270
3BK4M (HEAT)		1969	440	
3BK-15M(HEAT)	1980s		470	
PLA 125:		网络1	网络2	外贸手册
PLA 125 I (1期, 无	1991-1995	460-500		
外贸1.5期			500	
DTW-125 (2期)	2000-2005	550-600		
125mm 榴弹		5.2kg tnt		
PLA 120:				
PTZ89II				550
PLA 105:				
Type-83 HEAT			400	
Type-83 APDS (T83 105mm)			306	
2期105 (网易: DT 1990s	》 460		500	
DTW2(2期外贸)		460		
DTC02-105 (3	2002	600		
BTA2(3期外贸外贸)		550		

到了1987年，国产第二代主战坦克完成了技术定型，这便是现在人们俗称的80/88式坦克。与国产第一代坦克相比，80/88式坦克采用了多项新技术，如首次使用复合装甲提高防护能力、采用更大功率的发动机、首次应用6对负重轮（这是80式坦克与59式、69式、79式坦克最明显的区别之处）。80/88式坦克所装备的便是81/83式坦克炮。该型火炮威力较强，最大直线射程达到1600米，在1000米距离上可穿透150毫米装甲。因为重量和后坐力都比较合适，该炮后来还被其他国产轻型坦克、装甲车辆，如63A水陆坦克、63式轻型坦克改进型或轮式坦克歼击车选中成为其主要武器。

Steek

https://www.steelbeasts.com/sbwiki/index.php?title=Ammunition_Data

L7-DM33	1985	4000	2625
L44	1987+	3500--4000	2625
M256	1985-1993	3500-4000	2625
2A46	1962-1972	2200	2100

	1976-1986	3100-3300	
	1991-1997	3500	2625
D-10T	1991-1999	2500	2450
RH202	1972-1990	1500	
bushmasteer	1983-1994	2000	
2A42/2A72	1990	1800	
M197	1981	2200	
M230	1997	2000	
RARDEN	1986	1800	
bushmaster II	1990s	2000	
bofors L70	1997	2500	
23mm HE		2500	

64

AMMUNITION

105 mm Cartridge, APFSDS, BTA2



ARMAMENT

105 mm tank guns;

SPECIFICATIONS

Weight		
Complete round		18.8 kg
Projectile		5.9 kg
Propellant charge		5.8 kg
Length		
Complete round		1100 mm
Projectile		704.5 mm
Muzzle velocity		1540 m/s
Penetration	RHA 220 mm/66.42° at 2000 m	
Operating temperature	-40°C to +50°C	
Storage life	15 years	

105 mm Cartridge, HEAT (Anti-ERA), DTP1A

ARMAMENT

USED

HEAT

<http://fofanov.armor.kiev.ua/Tanks/ARM/apfsds/ammo.html>
[munition#3VBM13/3BM32/33](#)

wiki	SOVIET 125:	RHA mm (2000)	AP at 2275	AP at 2625	
450	3BM42	460	21	19	
650	3BM46(48)	560	26	24	
650	3BM42M	540	25	23	
740	3BM59	740	35	33	
700	3BM60				
500	3BM32(33)	500	23	21	T-72BU
430	3BM29(30)	460	21	19	
410	3BM26(27)	440	20	18	T-80U
380	3BM22(23)	420	19	17	T-64BVI
310	3BM17				
310	3BM15	340	15	13	T-64B
280	3BM12	320	14	12	
245	3BM9	280	12	10	T-64A
	波兰125 (PT91)	460	21	19	
			18		T-80A?
	M256:				
480	M829	500	23		M1A1
	M829A1	580	27		M1A2
	M829A2	620	29		
	M829A3				
	RM120 L44:				
	DM12(HEAT)		19	19	
	DM12A1(HEAT)		19	19	
	DM13	360	16	14	L2A1 NL
	DM13A1	400	18	16	
	DM23	420	19	17	L2A4
	DM23A1?	460	21	19	L2A4NL?
	DM33	500	23	21	L2A5
	DM33A1	560	26	24	
560	DM43(OFL120 F1)	600	28	26	
	DM53	640	30	28	
	KE-W	520	24	22	

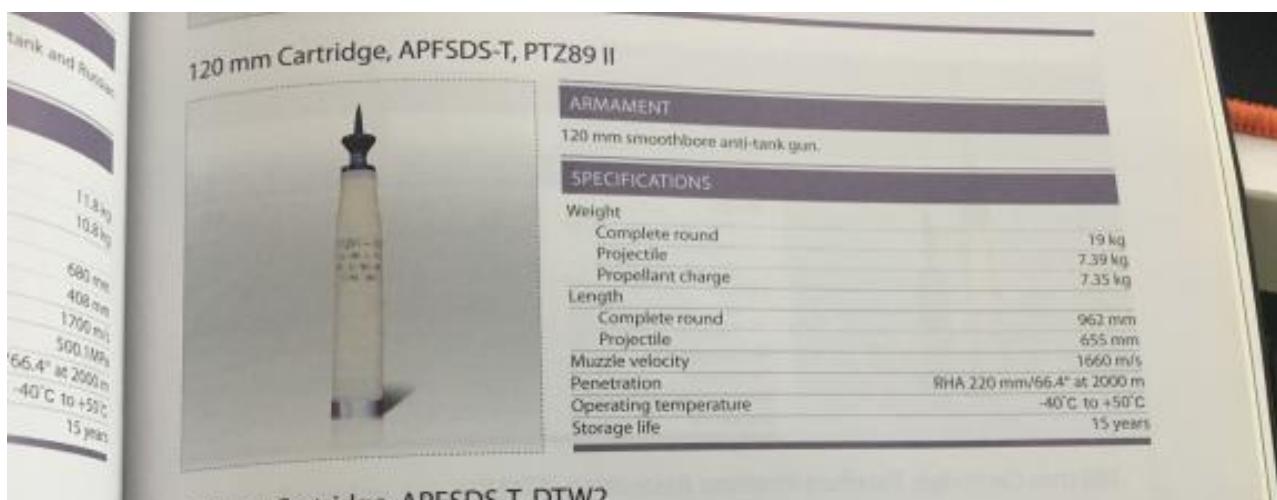
2000m

	KE-WA1	560	26	24	
	KE-WA2	580	27	25	
	Slpprj m/95	580	27	25	
	CL3142	580	27	25	
GIAT CN120-26 F1:					
	OFL120 F1 APFSDS-	600	28	26	
	OFL120 F2 APFSDS-T		-2	-4	
	OFL 120 G1	540	25	23	
	DM12A1(HEAT)	600	21	21	
	OCC 120 G1 (HEA)	480	19	19	
RHA mm (2000) AP at 2275					
	L15	280	12	10	
		440	20	18	
	L23A1	420	19	17	
	L26	520	24	22	
120mm L30:					
	L23A1	440	-2	-4	
	L26A1 CHARM1	540	20	18	
			25	23	
	L27A1 CHARM3	580	-2	-4	
		580	27	25	
		600	28	26	
GIAT CN120-25 G1:					
	OFL 120 G1	440	20	18	
	OCC 120 G1 (HEA)	480	19	19	
<u>p_pc</u> NEED 10-18AP 2000m					
各国105表	105mm L7	RHA mm (2000) AP at 2275			
	550 M900	540	25	23	
	DM63(M426以色列)	440	20	18	
	M426(以色列)	440	20	18	
	DM33	420	19	17	
	PPTFS M/85 LS(丹麦)	420	19	17	
	Type 93 (日本)	420	19	17	
500 (163网)	M833	420	19	17	

	400	M413(以色列)	400	18	16
	400	DM12(HEAT)	400	17	17
	400	Type 91(日本, HE)	400	17	17
	400	M456 (HEAT)	400	17	17
	380	M774(美)	380	17	15
450 (163网)	360	M735(美)	360	16	14
	340	DM23	340	15	13
	340	M111(以色列)	340	15	13
	340	slpprj m/80 (瑞)	340	15	13
	300	DM13	300	13	11 L1A4
	300	Shot L28A1	300	13	11
	300	slpprj m/61 (瑞)	300	13	11
	300	M392A2(美)	300	13	11
	260	slpprj m/62 (瑞)	260	11	9
	260	M728(美) =UK L5	260	11	9
	240	M392(美) =UK L3	240	10	8
	127	DM502(HESH)	127	12	12
	127	Type 75(日本, HE)	127	12	12
				-2	-4
400	PL64(英)			-2	-4
360	FP105			-2	-4
450	GD105			-2	-4
		105mm CN-105-F1			
		OFL 105 F1	360	16	14
		OCC 105 F1(HE)	400	17	17
		OCC 105 F3(HE)	350	16	16
					T-55AM
		100mm D-10T			
		M1000A1	440	20	18
		M309		-2	-4
		3BM25	320	14	12 T-55AM2
		BM20			
		3BM-8	280	12	10 T-55AM
		Br-412D	220	9	7 T-55A
		3BK-5(HEAT)	380	17	17
		115mm 2A20			
		3BM36	420	19	T-62MV1

3BM28	360	16		
3BM21	400	18	T-62M1	
3BM6	240	10		
3BM4	220	9	T-62	
3BM3	280	12		
		18	18	HEAT
		19	19	HEAT
PLA 125:				
PLA 125 I (1期, 无	480	22		
DTW-125 (2期) 125mm 榴弹	580	27		
PTZ89II	540	25		
PLA 105:				
		17	17	
DTC90-105	500	23		
DTW2(外贸)	460	21		
DTC02-105	580	27	25	21 600
BTA2(外贸)	540	25		
				22 650
				23 700
				24 750
				25 800

https://www.sohu.com/a/133207056_651763



105 mm Cartridge, AFT SDS-1, DUW2

ARMAMENT

105 mm L7, M68 series tank guns and guns.

SPECIFICATIONS

Weight	18.8 kg
Complete round	6 kg
Projectile	5.9 kg
Propellant charge	
Length	1066 mm
Complete round	636 mm
Projectile	1530 m/s
Muzzle velocity	RHA 150 mm/71° at 2000 m
Penetration	-40°C to +50°C
Operating temperature	15 years
Storage life	

Podane wartości odnoszą się do prób prowadzonych z dystansu 2000 metrów i osiąganym kanałem przebicia przy monolitycznej płycie stalowej ustawionej pod kątem 60°.

Typ amunicji	Rok opracowania/ wprowadzenia do uzbrojenia i kraj pochodzenia	Materiał penetratora	Przebijalność projektyliem o masie 10 g
105 mm L64A4	1978; Wielka Brytania	WHA	340 mm
105 mm M111	?; Izrael	WHA	340 mm
105 mm M774	1979; USA	DU	360 mm
120 mm DM13	1979; Niemcy	WHA	440 mm
120 mm M827	1979; USA	DU	520 mm
105 mm OLF105F1	1981; Francja	WHA	360 mm
105 mm M833	1983; USA	WHA	500 mm
120 mm DM23	1985; Niemcy	WHA	480 mm
120 mm M829	1985; USA	DU	540–560 mm
125 mm 3BM32 „Вант”	1987; ZSRR	DU	500 mm
105 mm OLF105E2	1988; Francja	DU	520–540 mm
120 mm DM33A1	1988; Niemcy	WHA	540–560 mm
125 mm 3BM42 „Манго”	1988; ZSRR	WHA	440 mm
120 mm M829A1	1989; USA	DU	700 mm
125 mm 3BM48 „Свинец”	1991; ZSRR	DU	600 mm
120 mm M829A2	1992; USA	DU	740 mm
120 mm CHARM1	1994; Wielka Brytania	DU	540–560 mm
120 mm OLF120G1	?; Francja	WHA	540–560 mm
120 mm DM43	1995; Niemcy	WHA	640–700 mm
120 mm CHARM3	1999; Wielka Brytania	DU	740 mm

120 mm DM53	2000; Niemcy	WHA	600–640
125 mm 3BM59 „Свинец”-1	2002; Rosja	DU	740
125 mm 3BM60 „Свинец”-2	2002; Rosja	WHA	640–660
120 mm M829A3	2003; USA	DU	800
125 mm 3BM69? „Вакуум”-1	2005; Rosja	DU	min 900
125 mm 3BM70? „Вакуум”-2	2005; Rosja	WHA	800

	2000m RHA	ap at 1925	AP at 2275	AP at 2625
	600	30	28	26
	580	29	27	25
	560	28	26	24
	540	27	25	23
https://ofb.gov.i	520	26	24	22
	500	25	23	21
	480	24	22	20
https://en.wikipedia.org	460	23	21	19
	440	22	20	18
1993 https://thesoviettank.com	420	21	19	17
	400	20	18	16
1986	380	19	17	15
1985	360	18	16	14
	340	17	15	13
1976	320	16	14	12
	300	15	13	11
1963	280	14	12	10
	260	13	11	9
1982	240	12	10	8
	220	11	9	7
	200	10	8	6
https://en.wikipedia.org	180	9	7	5
	160	8	6	4
	140	7	5	3
	120	6	4	2
	100	5	3	1
	80	4	2	0
	60	3	1	-1

https://wiki.warthunder.com/Leopard_2K

1981	http://www.kots	40	2	0	-2
		20	1	-1	-3

1985	0	0	-2	-4
-------------	---	---	----	----

1986

1992 <https://germanarmor.blogspot.com/2020/04/german-120mm-tank-ammunition.html>

<https://en.wikipedia.org> [https://wiki.warthunder.com/Rh120_L/44_\(120_mm\)](https://wiki.warthunder.com/Rh120_L/44_(120_mm))

600	30	28	26
580	29	27	25
560	28	26	24
540	27	25	23
520	26	24	22
500	25	23	21
480	24	22	20
460	23	21	19
440	22	20	18 DM23<
420	21	19	17
400	20	18	16
380	19	17	15
360	18	16	14
340	17	15	13
320	16	14	12
300	15	13	11

Gun System	Существует
	ЗБМ32 Вант
Система	ПП Д-81 ППП Спрут-Б Спрут-СД
Kaliber, mm	125
Flight weight kg	7,05
Muzzle velocity m/s	1700
armor pen. 60° vs RHA	250
Material of Projectile	«Б»
Year of introduction in active service	1987

AP	RPG/RR Pen RHA(mm)	ATGM
12	150	
13	200	
14	250	400
15	300	
16	350	
17	400	
18	450	
19	500	650
20	550	
21	600	
22	650	
23	700	
24	750	900
25	800	

<https://wiki.warthunder.com/Chieftain>

<https://wiki.warthunder.com/Charred>

https://wiki.warthunder.com/Challenger_1

[.com/a/126650840_613193](https://com/a/126650840_613193)
[under.com/M68A1_\(105_mm\)](https://under.com/M68A1_(105_mm))

[https://wiki.warthunder.com/L7A3_\(105_mm\)](https://wiki.warthunder.com/L7A3_(105_mm))

[https://wiki.warthunder.com/M68_\(105_mm\)](https://wiki.warthunder.com/M68_(105_mm))

[https://wiki.warthunder.com/L7A3_\(105_mm\)](https://wiki.warthunder.com/L7A3_(105_mm))

L AS1 = L1A4 from 1978-1986 can penetrate T-72/80

[https://wiki.warthunder.com/Sharir_\(105_mm\)](https://wiki.warthunder.com/Sharir_(105_mm))

1974

https://wiki.warthunder.com/Vickers_Mk.1



L AS1 = L1A4 from 1974-1977

[https://wiki.warthunder.com/M68A1_\(105_mm\)](https://wiki.warthunder.com/M68A1_(105_mm))

Technical Data Specification

Type

Calibre

Round mass (nominal)

Round length

Projectile mass (nominal)

Penetrator

Tracer

Cartridge case

Anti-wear additive

Primer

Propellant TB (nominal)

1981

https://www.armscom.net/products/100mm_

1983

1981 [https://wiki.warthunder.com/D-10T_\(100_mm\)](https://wiki.warthunder.com/D-10T_(100_mm))

1965

1989

Muzzle velocity (at 21°) (nomina

Effective range

Penetration (at 1.000m)

Operational temperature

1984 <https://wiki.warthunder.com/T-62M-1>

1961 <https://wiki.warthunder.com/T-62>
<https://wiki.warthunder.com/T-62>

RR Pen nm)	ATGM
	400
	650
	900

<https://3g.163.com/dy/article/D1H70EDV05158C1>
<https://c.m.163.com/news/a/FBK34MDD051597E1>
<https://3g.163.com/dy/article/D1H70EDV05158C1>
<https://xw.qq.com/amphtml/20181227A01RCT00>

TG 某型弹

Caliber
100mm APFSDS
105mm APFSDS
125mm APFSDS
Tungsten Alloy Rods (W+Ni+Fe or W+Ni+Cu)

[https://wiki.warthunder.com/Type_83_\(105_mm\)](https://wiki.warthunder.com/Type_83_(105_mm))
[https://wiki.warthunder.com/Type_83_\(105_mm\)](https://wiki.warthunder.com/Type_83_(105_mm))
<https://3g.163.com/dy/article/D1H70EDV05158C1> 主要配备59B、59D、79、88A、88B主战坦克和63A <http://cncc.bingj.com/cache.aspx?q=105mm+%e4%ba%8c%e6%9c%9f%e5%bc%b>

<https://www.163.com/dy/article/G328BSI905238FA2.html>
<http://cncc.bingj.com/cache.aspx?q=105mm+%e4%ba%8c%e6%9c%9f%e5%bc%b>



TANK AMMUNITION 125 MM APFSDS/T

It is a Kinetic Energy Fin Stabilised Round and can be fired from 125 mm smooth bore tank guns; T-80 UD (Ukraine), Al Khalid (Pakistan), PT-91 (Poland), T-84 (China) or equivalent

DATA

COMPLETE ROUND	
Length	1084.5 mm
Weight	21.47 kg
PROJECTILE	
Projectile	Tungsten alloy core with discarding sabot and fin stabilisation
Length	555 mm
Weight	7.370 kg
MAIN CARTRIDGE CASE	
Case	Semi Combustible Cartridge with steel base & cover
Length	406.5mm
Propellant	16/19 single base Granular
Weight of propellant	6 kg (approx)



	15 mm
stopni	
ność RHA	
mm	
50 mm	
mm	
40 mm	
50 mm	
mm	
mm	
50 mm	
30 mm	
20 mm	
mm	



Weight of propellant
Primer

kg (approx)
Electric/Percussion Primer Nur

SECONDARY CARTRIDGE CASE

Case
Length
Propellant

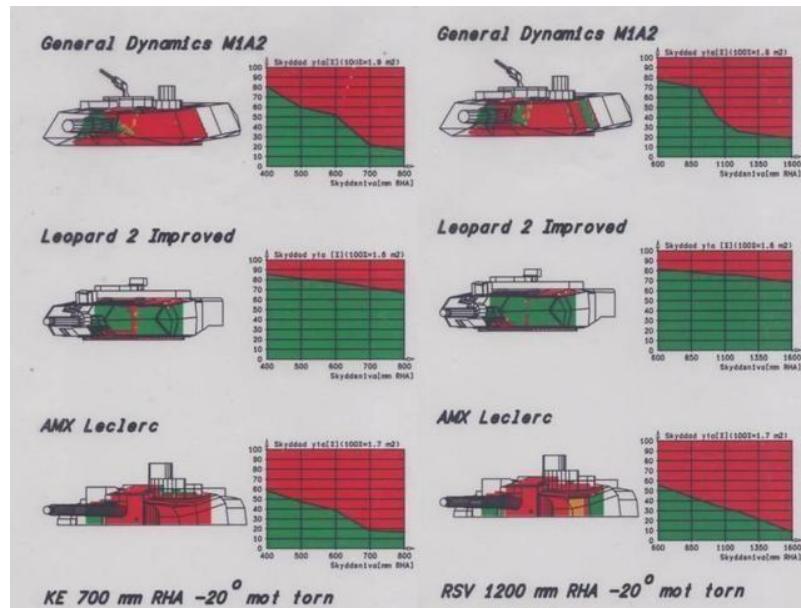
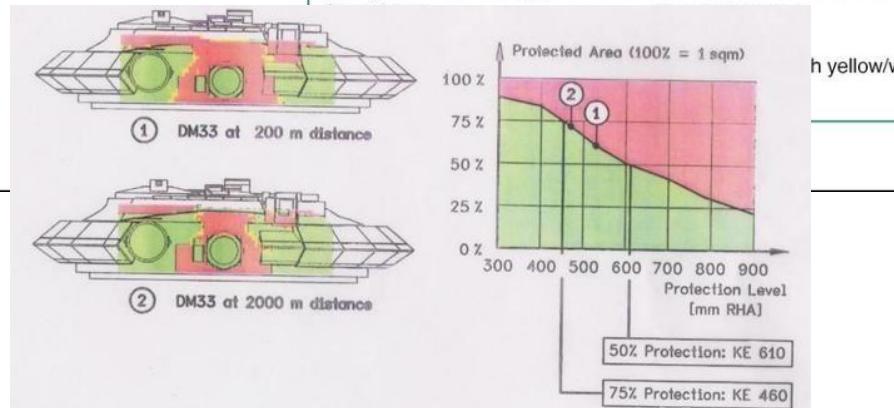
Semi Combustible with proj.
678 mm
Granular 16/19 2.550 kg (ap)
and Tubular 19/1-25 0.8 kg

PERFORMANCE

Muzzle velocity	1730 metres/sec
Service pressure at 21°C	4850 kg/cm ²
Accuracy at 1000 metres:	
SD (Vertical)	0.3 mil
SD (Horizontal)	0.3 mil
Penetration at 2000M	460mm, against RHA target Zero Obliquity, conforming to DEF-STAN 95-13/2

PACKING

Main Charge Structure & Secondary Charge Structure are packed separately in fibre glass seal humidity proof containers then finally fibre glass seal humidity proof containers are packed in a steel box.



40 mm

mm

50 mm

mm

60 mm

mm

DM23<3BM32<M829

The DM 13 was the first armor-piercing ammunition developed in Germany for smooth-bore guns.

:ml

ПРОТИВОТАНКОВЫЕ БОЕПРИПАСЫ

Текущие образцы		Находящиеся в разработке				Планируемые к разработке	
ЗБМ42 Манго	ЗБМ48 Свинец	Свинец-1	Свинец-2	Грифель- GRIFEL 1	Грифель- GRIFEL 2	Вакуум -1	Вакуум -2
ТП Д-81	ТП Д-81	ТП Д-81	ТП Д-81	ТП 2А83	ТП 2А83	ТП Д-81	ТП Д-81
ПТП	ПТП	ПТП	ПТП			ПТП	ПТП
Спрут-Б	Спрут-Б	Спрут-Б	Спрут-Б			Спрут-Б	Спрут-Б
Спрут-СД	Спрут-СД	Спрут-СД	Спрут-СД			Спрут-СД	Спрут-СД
125	125	125	125			125	125
7,05	8,1	4,35	4,25	7,1	8,0	9-10	9-10
1700	1600	1750	1750	1780	1780	1750	1750
220	300	370	320 - 330	520	420 - 450	не менее 450	400
W	«Б»	«Б»	W	«Б»	W	«Б»	W
1988	1991	2002	2002	2005	2005	2005	2005



	Fixed round APFSDS-T
	100mm
	21kg
	1064mm
	5.0kg
	Tungsten alloy
	M21
	Brass
	Titanium dioxide
	Percussion cap
	8kg

al)	1 475m/s
	3,000m
	380mm RHA

-32°C to +52°C

Density (gm/cm³)	Specification	Penetration
17.4 (Approx)	W91.5NE	300 mm Min
17.4 (Approx)	W91.5NE	300 mm Min
17-18 (Approx)	WMB-101 JTS	460 mm Min

\varnothing = upto 35 mm	Density Range
L = upto 800 mm	17-18 gm/m³ (Approx)

http://www.militec.com/cache.aspx?q=105mm+%e4%ba%8c%e6%9c%9f%e5%bc%b9&d=4644663784768678&mkt=en-US&id=4922702788364617&mkt=en-US&setlang=en-US&w=K3ppvWejqYa-lirApdtprEkF4k9_2y3u

各国105

125
an),

arding

Case

16/19

表 6-8 国内外 105 毫米穿甲弹性能对比表							
国别	名称	弹丸质量(千克)	弹丸长度(毫米)	弹芯质量(千克)	弹芯直径(毫米)	长径比(L/D)	初速(米/秒)
美国	FP105			3.6	26	18.5	1510
	GD105	5.9	604.5	3.2	26	24	1510
	M900	6.86				30	1505
英国	PL64	6.12	509	4.0	28	23	1490
法国	OFL105F1	5.8	541.5	3.8	26	20	1525
奥地利	NP105A2	6.0			26	20	1485
以色列	M413	5.8	591	4.1	24~26	23	1485
中国	DTW2	6.0	636.82	3.775	21.2		1530
	105 改	6.2~6.3	648	3.82	20.68	31	1580
							600

mber 2

ectile

prox)

t at
io

id
y filled
ox.

white

2. 105 毫米多用途破甲弹

弹丸为流线型头部、短圆柱弹身、滑动闭气环（弹带）、收缩形尾杆和同口径尾翼，装药结构为聚能装药结构。

弹丸头部设计为流线型，并有较高的硬度，从头部往后硬度具有一定的梯度，在头部穿目标的同时避免后部的装药不会被震坏。弹丸穿过一定厚度后，弹底引信作用，起爆聚能装药，继续侵彻或摧毁靶后装备，同时具有杀、爆、燃等功效。

弹丸头部设计风帽和弹丸头螺结合，头螺有一适当角度的钝面，一方面可提高大着角时的着靶可靠性，防止跳弹；另一方面可对弹丸在着靶速度较高时，给弹丸以缓冲并减速的过程，以减小弹体炸药的轴向受力。

主要战术技术性能：

- (1) 弹体材料：优质合金钢
- (2) 弹丸直径：104.85 毫米
- (3) 弹丸长度：727 毫米
- (4) 弹丸质量：13.98 千克
- (5) 弹丸质心：430（距弹底）毫米
- (6) 弹丸穿深：2000 米距离上能穿透 1.0~1.5 米混凝土工事

3. 105 毫米多用途爆破弹

rreled cannons and was available when the Leopard 2 was introduced in 1979





数据录入：OO

关键词：燃烧弹，子母弹，

单位名	单位Hash值	武器名	原版武器类型
107mm ROVER 107		Type 63	燃烧弹
128mm M-77 OGANJ (燃烧弹)		M-77 Oganj	燃烧弹
130mm 75 MSSR		T75	
130mm K136		K30	
140mm SHMEL		M-14-OF	
160mm LAR-160 (子母弹4)		Rocket Mk2 Cluster	子母弹
220mm TOS-1(温压弹x3)		MO.1.01.04	燃烧弹
262mm M-87 (子母弹5)		M-87 Orkan	子母弹
290mm MAR-290		NURS	
300mm BM-30		9M55K	子母弹
570mm LANCE		M52 Tactical Missile	
610mm ATACMS		M39	子母弹

110mm LARS2 (15秒)	43C72D1600000SF2	
110mm LARS2 (15秒)	43C72D1600000SF2	
110mm LARS (30秒)	1DB75800000000SF2	
122mm 火箭炮	M-21OF	燃烧弹
122mm 火箭炮	M-21OF	
122mm 火箭炮	M-21OF	
122mm 火箭炮 (烟雾弹)	M-21OF	
122mm 火箭炮 (子母弹7)	9M217	子母弹
122mm 火箭炮 (子母弹7)	9M217	子母弹
127mm Bateleur (子母弹CF5845CF28590F) FV2		子母弹
127mm VALKIRI	6185651245429FV2	
127mm VALKIRI	FV2	
128mm M-94 Plamen-S	M-94 Plamen-S	
128mm M-94 Plamen-S	M-94 Plamen-S	
130mm PHZ-70	T63	燃烧弹
130mm PHL-63	T63	燃烧弹
220mm BM-27	9M27F	
220mm BM-27 (子母弹6)	9M27F	子母弹
227mm M-270	M26	
227mm M-270 (子母弹7)	M26	子母弹
240mm BM-24	MD24-F	燃烧弹
240mm BM-24	MD24-F	燃烧弹
240mm BM-24	MD24-F	

纯烟雾弹， 纯高爆弹，

原版武器	武器Hash值	新武器Hash值
	5A67459B472D9C06	Type 63
	0872E5F00D000000	M-77 Oganj
纯高爆弹	1667201E00000000	T75
纯高爆弹	1617101500000000	K30
纯高爆弹	8570310000000000	M-14-OF
	037CE530CA010000	Rocket Mk2
	5DE605C300000000	MO.1.01.04
	4872E5F00D000000	M-87 Orkan
纯高爆弹	1DF7610000000000	NURS
	4665189702000000	9M55K
纯高爆弹	176A7A8371010000	M52 Tactical
	DDD52CDE02000000	M39

纯高爆弹	03D4010000000000	BBF00000000000000	SF2 HE: LAR:
纯烟雾弹	03D4010000000000	BBF00000000000001	SF2 SMK: LA
纯高爆弹	03D4010000000000	BBF00000000000002	SF2: LARS
	50260C1700000000	BBF00000000000003	9M22S
纯高爆弹	50260C1700000000	BBF00000000000004	9M22U
纯高爆弹	50260C1700000000	BBF00000000000005	9M521
纯烟雾弹	50260C1700000000	BBF00000000000006	9M521 SMK
	88305C0A00000000	BBF00000000000007	9M218
	88305C0A00000000	BBF00000000000008	9M218: RM-
	DAB475DF44511D04	BBF00000000000009	FV2 CLUS
纯高爆弹	DAB475DF44511D04	BBF00000000000010	FV2 HE
纯烟雾弹	DAB475DF44511D04	BBF00000000000011	FV2 SMK
纯高爆弹	8572E5F00D000000	BBF00000000000012	M-94 Flamei
纯烟雾弹	8572E5F00D000000	BBF00000000000013	M-94 Flamei
	16471C1E00000000	BBF00000000000014	T63: PHZ-70
	16471C1E00000000	BBF00000000000015	T63: PHL:63
纯高爆弹	C870310000000000	BBF00000000000016	9M27F
	C870310000000000	BBF00000000000017	9M27K
纯高爆弹	C770010000000000	BBF00000000000018	M26(HE)
	C770010000000000	BBF00000000000019	M26
	5031381700000000	BBF00000000000020	MD24-F(X12)
	5031381700000000	BBF00000000000021	MD24-F(X36)
纯高爆弹	5031381700000000	BBF00000000000022	MD24-F

新武器名	武器Hash值即唯一条件	武器类型	备注1
Type 63 (12s, 2.1min)	Y		
M-77 Oganj (18s, 4min)	Y		1 ins, 1 depre ins
T75 (18s, 5.6min)	Y		
K30 (18s, 8min)	Y		
M-14-OF (18s, 4.3min)	Y		
Rocket Mk2 Cluster (10s, 6r)	Y	高爆	
MO.1.01.04 (14s, 8min)	Y		
M-87 Orkan (14s, 4.8min)	Y	高爆	
NURS (14s, 4min)	Y		1 ins, 1 depre ins
9M55K (10s, 6min)	Y	高爆	1 ins, 1 depre ins
M52 Tactical Missile (18s, 4min)	Y		
M39 (10s, 8min)	Y	高爆	

SF2 HE: LARS-2 (12s, 2.4min)		1 ins HE
SF2 SMK: LARS-2 (12s, 2.4min)		1 ins smk
SF2: LARS (18s, 7.2min)		1 ins HE
9M22S (14s, 2.7min)		1 ins
9M22U (18s, 8min)		1 ins HE, 1 depre
9M521 (14s, 2.7min)		1 ins HE
9M521 SMK (14s, 2.7min)		1 ins smk
9M218 (18s, 8min)	高爆	1 ins clus
9M218: RM-70 (14s, 2.7min)	高爆	1 ins clus
FV2 CLUS (14s, 2.7min)	高爆	1 ins clus
FV2 HE (18s, 4.8min)		1 ins HE
FV2 SMK (18s, 4.8min)		1 ins smk
M-94 Plamen-S HE (10s, 2.1min)		1 ins HE
M-94 Plamen-S SMK (10s, 2.1min)		1 ins smk
T63: PHZ-70 (18s, 4min)		1 ins
T63: PHL:63 (18s, 6min)		1 ins
9M27F (10s, 6min)		1 ins HE
9M27K (10s, 6min)	高爆	1 ins clus
M26(HE) (10s, 4.4min)		1 ins HE
M26 (10s, 4.4min)	高爆	1 ins clus
MD24-F(X12) (18s, 4min)		1 ins
MD24-F(X36) (18s, 6min)		1 ins
MD24-F (18s, 4min)		1 ins HE, 1 depre

FAE Factor:

原版瞄准时间	原版连发数	原单发补	总备弹量	原版长装	连发数	原HE值	现实装药(kg)
15	16	24		64	1	1.27	
30	32	40	64	120			6.8
30	24	22->40		168		7	6
30	36	23->40		240		7	7.3
30	16	15->40	96	128		8	4.2
10	36	33->50		180	4AP		16.1
20	30	60->90		240		10	162
30	12	102		144	7AP		32.1
20	4	125		120		15	115
10	12	150		180	8AP	95	
30	1	800		120		20	159
10	2	1000		240	20AP	196	

15	18	24	36	72	7	4.9
15	18	24	36	72		
30	36	22		216	6	4.9
20	20	40		80		5.94
30	40	18->40	160或40	240	7	6.4
20	20	24		80		7
20	20	10		80		
30	40	34	40	240	3	6.3
20	20	34	80	80		6.3
20	20			80	3AP	6
30	24	20		144	7	6
30	24	20		144		
10	16	24->40	64	64	7	2.1
10	16	21->40	64	64		
30	19	40	38	120	1	4
30	19	40	19	180		4
10	16	80->90		180	11	54
10	16	90		180	5AP	54
10	12	85->96		132	11	57
10	12	96		132	6AP	57
30	12		40	120		18.8
30	36		40	180		18.8
30	12	23->40		120	8	18.8

0.7 NPLM Factor: 0.5

HE	HE半径	压制	压制半径	对地射程(km)	最小对地	最大散布	最小散布	长装填	瞄准时间
2	89	205	178	8.5		3	6825	4550	128
3	156	359	312		21	7	6825	4550	240
7	150	344	299		14.5	5	6825	4550	336
7	160	367	319		30	10	6825	4550	480
6	133	305	266		9.8	3	6825	4550	256
7	232	534	232		32	11	6825	4550	360
14	536	1234	1073		2.8	1	2730	1820	480
9	292	673	292		50	17	6825	4550	288
18	400	921	801		25	8	6825	4550	240
13	420	966	420		70	23	6825	4550	360
20	446	1026	892		70	23	3412.5	2275	240
17	535	1230	535		160	23	910	910	480
									10

6	140	322	280	25		8	6825	4550	144	12
6	140	322	280		25	8	6825	4550	144	12
6	140	322	280		14.7	5	6825	4550	432	18
3	149	343	298		19.9	7	6825	4550	160	14
7	153	351	306		20.4	7	6825	4550	480	18
7	157	362	315		40	13	6825	4550	160	14
					40	13	6825	4550	160	14
5	170	391	170		30	10	6825	4550	480	18
5	170	391	170		30	10	6825	4550	160	14
5	167	385	167		22	7	6825	4550	160	14
7	150	344	299		22	7	6825	4550	288	18
					22	7	6825	4550	288	18
5	105	242	211		12.6	4	4095	2730	128	10
					12.6	4	4095	2730	128	10
3	131	301	261		10.1	3	6825	4550	240	18
3	131	301	261		10.1	3	6825	4550	360	18
14	311	716	622		35	12	6825	4550	360	10
11	348	800	348		35	12	6825	4550	360	10
14	317	729	634		45	15	6825	4550	264	10
11	354	815	354		45	15	6825	4550	264	10
5	219	503	438	17.8		6	6825	4550	240	18
5	219	503	438	17.8		6	6825	4550	360	18
10	219	503	438	17.8		6	6825	4550	240	18

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初速度	火	弹链补给	游戏内原	杀伤面积	战斗部与装药重	装填 (分)	原装填 (秒)	原瞄准时
27000	大	2700			7.65 (1.27kg)			
					19.5 (?)			
			960	78	4 ?(6kg)	5		
			1440	78	4 21kg x 0.35	5		
			640	84	2 18.4(4.2kg)	5		
			1800	200	1 46kg x 0.35	5	180	10
			132	17	?(51.9kg x3)	7	4	20
			225	2	91kg x 0.35	6	2.4	30
			174	5	320kg X 0.35	6	2	20
			250	3	258(95)	7	3	10
			342	2	454kg x 0.35	4	2	30
			250	5	560kg x 0.35	6	4	10
1600	大	1600				3	1.2	15
				66	4 14.5kg x 0.35	5	3.6	30
				73	4 18.4(6.4kg) 21kg(?)	5, 3	4, 1.33	
				150	1			
					>21kg(guess by BM-21)			
			640	77	2 105mm equiv	3		1.06
			640					
			1440	132	6 100? (51.9kg)	7		3
			1440	225	2 7 3			10
			1152	136	5 154kg X0.35	6	2.2	10
大大	大	480	1152	225	2 6 2.2			10
			480	144	2 ? (18.8kg)	5	2	30

[链接](#)

<https://new.qq.com/omn/20210513/20210513A0BE4K00.html>

<https://en.missilery.info/missile/oganj>

WARTHUNDER

M-87, see <https://en.missilery.info/missile/orkan>

<https://en.missilery.info/missile/grad/m3-21>

<https://en.missilery.info/missile/grad/shema>

<https://en.missilery.info/missile/grad/9m521>

<http://www.military-today.com/artillery/bateleur.htm>

<http://www.military-today.com/artillery/valkiri.htm>

https://wuqi.supfree.net/weapon.asp?id=70_type130mm

<https://en.missilery.info/missile/bm24/m-24f>

武器名	武器Hash值	用于重命名	新hash由航空火箭弹-杀伤力
新武器名	新武器Hash值		
S-5M	883110E007000000	S-5M(Air) S-5M(Air) S-5M(Air) S-5M(Air) S-5M(Air)	
S-5M	4607000000000000		
M151 Hydra	C2315CC9B1580000	M229 Hydra: M261	BBD00000000000000
M151 Hydra	C2315CC9B1580000	M151 Hydra: M261	BBD00000000000001
		M151 Hydra: M261	
		M151 Hydra: M261	
M151 CRV7	08C8350000000000	M151 CRV7(Air)	BBD00000000000002
HVAR	DC024A0000000000		
SNEB	C9C13C5807000000	SNEB(Air) SNEB(Air) SNEB(Air) SNEB(Air)	BBD00000000000003
S-24B	C5D0010000000000	S-13D(Air) S-13D(Air) S-13D(Air)	BBD00000000000004
130-1	012178C606000000		
Sprangraket m/56	7577181700000000		
Mk.24 Zuni	EEAC9303015F0000		
Mk.24 Zuni	EEAC9303015F0000		
FFAR	01921CDF62710000	FFAR Air: L-11D SEJB	BBD00000000000005
FFAR	01921CDF62710000	FFAR Ground: L-11D	BBD00000000000006
FFAR	01921CDF62710000	FFAR: BOV RAKETAŠ	BBD00000000000007
WDU-5002/B CRV7	DE82805C03000000		
S-5M	887108E007000000		
M151 Hydra	C2315CC9B1580000		
M151 CRV7	08C8350000000000		
FFAR	C425020000000000		
FFAR	01921CDF62710000		
S-13	1621300000000000	S-13OF	

S-24B	C5D00100000000000	S-13D
SNEB	C9C13C5807000000	
S-8OFP	4907000000000000	S-8D
S-8OFP	4907000000000000	

BR-1-57	8821700C00000000	
ARS-57	88D1710B00000000	
T57-2	0362780000000000	
Jaktraket m/57	304ADFE602000000	

引用

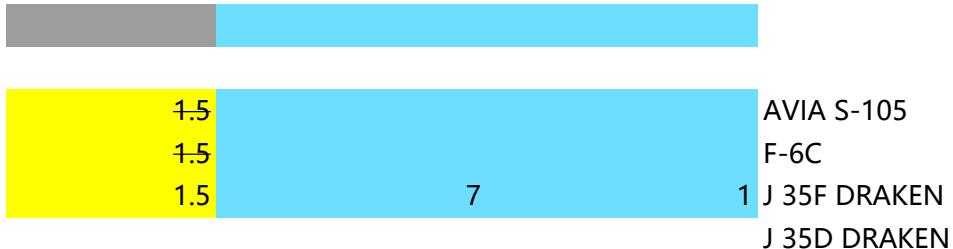
备注	原版对地射程(m)	原版HE值	原版对直升机射程	原版对空射程(m)
1 instance, by 5 unit, 1 depre	2450	2		
1 instance, 1 depre instance	2450	2		
1 instance	2450	3		
1 instance	2450	3		
1 instance	2625	3		
1 instance	2450	4		
1 instance	2450	3		
1 instance	2450	11		
salvo count 1->2				
salvo count 1->2				
1 instance	2450	4		
1 instance	2450	4		
1 instance	2450	4		
1 instance	2450	4		
1 instance, 空对一切		2	1575	2100
	2450	2		
1 instance, 地面发射	1400	2		
1 instance, 1 depre instance		2100 2AP (实际8ap, ke)		
1 instance, 直升机发射	2100	1		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2275	4		

1 instance, 直升机发射	2450	10		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 直升机发射	2100	2		
1 instance, 地面发射, 凝固汽油	1400	1		
1 instance, 空对空		2	1575	2100
1 instance, 空对空		2	1575	2100
1 instance, 空对空		2	1575	2100

原版静止精度(%)	原版移动精度(%)	原版连发数	原版齐射数	对地射程(km)	对空射程(km)
30	30	32	16	5	
30	30	16	8	5	
30	30	24	12	5	
30	30	38	19	5	
40	40	38	19	5.5	
30	30	6	2	5	
30	30	36	18	5	
30	30	4	1	5.5	
30	30	16	8	5.5	
30	30	6	3	5	
30	30	8	4	5.5	
30	30	16	8	5	
20	20	24	2	2.1	
20	20	24	2	5	
20	5			2.1	
40	30			3	
15	5			3	
20	10			3	
30	30	7	2	3	
10	5			3	
15	5			3	
30	20	10	2	4	

40	30	4	1	4	
30	20	19	2	3	
30	20	36	4	3	
30	20	12	2	3	
30	20	6	2	3	
30	20	22	2	3	
20	10	10	2	3	
20	10	20	2	3	
15	5			2.1	
20	20	8	1		2.1
20	20	8	1		2.1
20	20	5	1		2.1

对直升机射程(km)	连发数	齐射数	单位名	单位Hash值
			Lim-6Bis	
			J-22B ORAO 2	
			SU-7BMK	
			MiG-21Bis	
			MiG-21ML	
			F-5B	15C60C1400000
	38	19	J-21 JASTREB	
			F-100D	
			NESHER A	
			AV-8C HARRIER	
	24	4	CF-104 STARFIGHTER	
			J-21 JASTREB	
			F-86F SABRE	
			IMPALA MK II	
			MiG-21F-13	84000903EB5E0
			HARRIER GR.3	0417DDAA7BDF
	8	1	MiG-21MF	
			Su-25	
			Su-25K	
			Q-5I	
			J 35FS	
			J 35F DRAKEN	
			F-5A FREEDOM FIGHTER	
			F-84F	
			F-86F SABRE	55C6414702010
			A-4M SKYHAWK	306FB63EDC5DC
1.5			L-11D SEJBR	
			BOV RAKETAŠ	
			CH-118 GUNSHIP	
			CH-135 GUNSHIP	
			UH-1C HOG	
			AH-1J	



备注	模型	原面板挂载	新挂载武器名	新挂载武器Hash	链接
波兰	57mmX17X2	57mmX32			
南斯拉夫	57mmX17X2	57mmX32			
朝鲜	57mmX17X4	57mmX64			
苏联	57mmX25X2	57mmX64			
东德	57mmX25X2	57mmX64			
朝鲜	70mmX19X2	55mmX16	M151 Hydra: M2	BBD000000000000001	
南斯拉夫	70mmX19X2	70mmX24			
丹麦	70mmX19X4	70mmX76			
以色列	70mmX19X4	70mmX76			
美国	70mmX19X2	70mmX38			
加拿大	70mmX19X2	70mmX38			
南斯拉夫, NPLN	130mmX4X6	130mmX6			http://www.airw
南非	68mmx18x2	68mmX36			
南非	68mmx18x4	68mmX72			
芬兰	70mmX19X2	68mmX36	M151 Hydra: M2	BBD000000000000001	
英国	70mmX19X4	68mmX36	M151 Hydra: M2	BBD000000000000001	
波兰	130mmX4X2	240mmX4			
苏联	130mmX4X4	240mmX4			
捷克	130mmX4X4	240mmX4			
TG	130mmX4X4	130mmX16			
芬兰	75mmX7X2	135mmX12			
瑞典	75mmX7X4	75mmX10+135mmX12			
挪威	130mmX4X2	127mmX8			
荷兰	130mmX4X2	127mmX8			
韩国	70mmX19X2	127mmX16	M151 Hydra: M2	BBD000000000000001	
美国	70mmX19X2	127mmX16	M151 Hydra: M2	BBD000000000000001	
南斯拉夫, 70mm					
南斯拉夫		57mm			http://www.airw
加拿大		70mm			http://www.airw
加拿大		70mm			http://www.airw
韩国		70mm			http://www.airw
韩国		130mm			http://www.airw

捷克

130mmX4X4

240mmX4

68mm

<http://www.airw>

80mm

捷克

130mmX4X4

57mmX16

朝鲜

130mmX4X4

57mmX16

瑞典, 75mm

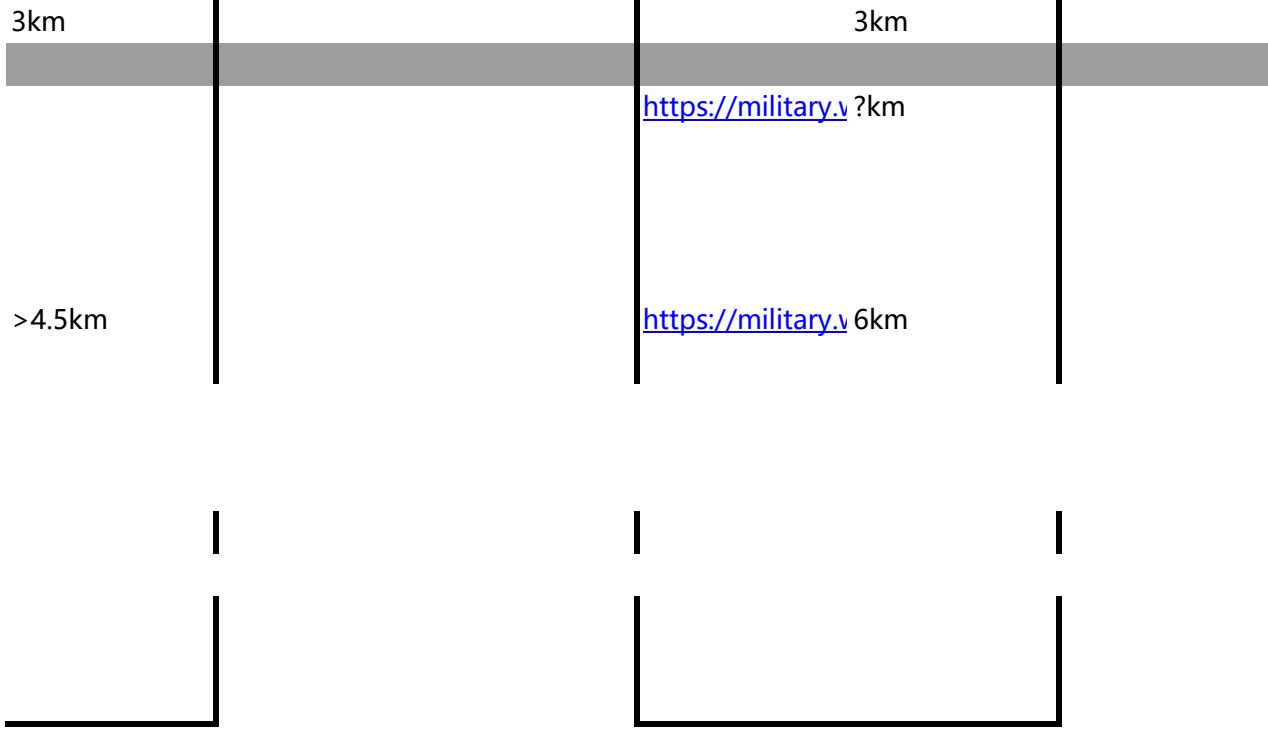
75mmX7X4

75mmX10+135mmX12

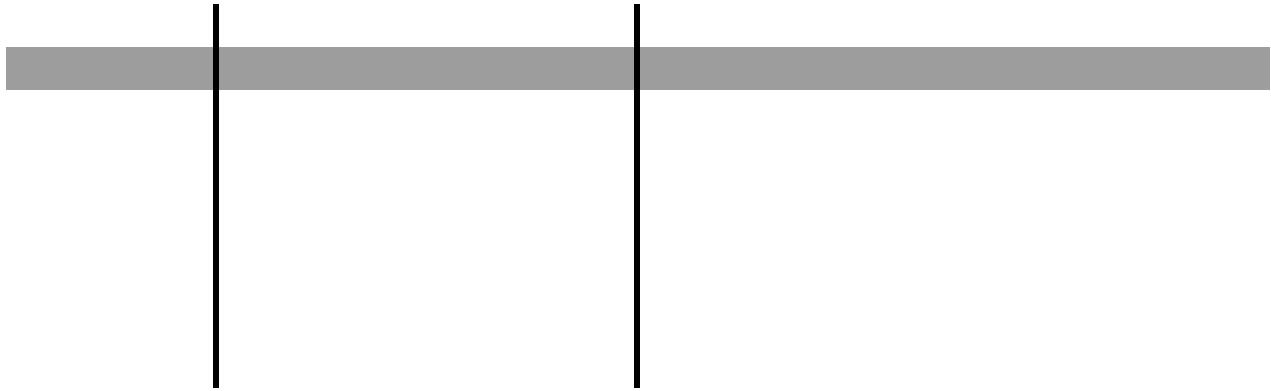
70mmX19X2

75mmX20

airwar	链接	misslery	链接	mili wiki	链接
				https://military.v 2.2kg comp B, 1.33 eff https://military.v 1kg comp B, 1.33 eff	
2.5km eff, 5km max				https://military.v 3.4kg TNT	http://www.desi
					http://www.desi
2km,0.285kg <10km,1.05kg B4				>4km, >>Hydra/FFAR, penetrate 3-4km 0.5-8km, 1kg Comp B4, eff factor >4km, >>Hydra/FFAR	
3.5inch FFAR?				>3.4km	
3km				3km	



designation	链接	other
5km		
8km	http://smhs.com pic for 7 tube launcher	
· T-72 from any angle, penetrate T-72 side from 3km		
· 1.33	M151(WARHEAD NAME)	











		综合防护值即综合防防破和防穿的坦克正面装甲值	
坦克名字	原装甲值	抗破/抗穿	综合防护值 (mm rha)
挑战者2	23		
豹2 TVM	23		
M1A2	22		
T-72bu(obj188)	22		
T-90S	22		
豹2A5/nl	22		
梅卡瓦3D BAZ	22		
M91A	22		
勒克莱尔	21		
T-72M1MOD	21		
T-72M2 萌丹娜	21		
梅卡瓦3B	21		
T-80um	21		
T-72b1989	20		
T-80u	20		
挑战者1mk3	20		
M1A1HA	20		
M1A1HC	20		
PT-91	20		
90式	20		
豹2A4/nl	19		
STRV121	19		
挑战者1mk2	19		
挑战者1mk1	19		
\u67d0\u006d\u0062\u006f	19		
梅卡瓦2B	18		
梅卡瓦2A	18		
T72b1987	18		
T-72S/T72S1	18		
M91	18		
K1A1	18		
M1A1	17		
M11P	17		
T-80bv	17		
T72m2 WILK	17		
T-64bv	17		
T-64bvl	17		
K1	17		
马加奇7	16		
天马虎5	16		

豹2A1/nl	16	
T-80A	16	
T-64bm	16	
梅卡瓦1	16	
T-72B/B1	15	
T-72M1M	15	
M-84A	15	
STRV103D	15	
T-72M1 WILK	15	
M1艾姆布拉斯	15	
豹2	15	
酋长mk.11	14	
酋长mk.10	14	
豹 C2 MEXAS	14	
T-72M1	14	
KPZ T-72M1	14	
T-72M1cz	14	
T-72M1 JAGUAR	14	
T-80B	14	
\u67d0\u0038\u0035\u5	14	
超级M60	13	
STRV103C	13	
T80	13	
T-72A	13	
M84	13	
T-64B	13	
T-55AM2 DYNA-1	13	
AMX40	12	
天马虎4	12	
KPZ 70	12	
T-72M	12	
豹1A5NO2	12	
M60A1 ERA	12	
MBT70	12	
马加奇6	12	
马加奇6 bet gal	12	
STRV103B	12	
T-62MV-1	12	
\u005a\u0054\u005a\u00	12	
AMX-30B2布雷努斯	11	
酋长mk.5	11	
酋长mk.1	11	
T-72	11	

T-64A	11		
T-55AMV	11		
T-55AH IGMAN	11		
AMX-32	10		
豹1A5	10		
豹1A5-DK	10		
豹1A5-NO	10		
豹 C2	10		
M60A3	10		
STRV105	10		
STRV104	10		
T-55AM2B	10		
T-55AM2	10		
T-55AM2PB	10		
T-55AM2 MERIDA	10		
T-62M	10		
T-62M1	10		
T62D	10		
T621975型	10		
T62CZ	10		
\u005a\u0054\u005a\u0054	10		
M60A2E1 “星际战舰”	10		
M60A2E2 “星际战舰”	10		
肖特卡尔德尔塔	10		
\u0038\u0030\u5f0f\u573a	10		
SRTV102R	9		
百夫长MK5/2-DK	9		
百夫长84毫米炮	9		
百夫长105毫米炮	9		
百夫长MK5/1	9		
百夫长MK5	9		
百夫长MK6	9		
百夫长MK7	9		
百夫长MK11	9		
百夫长MK5.AT	9		
\u005a\u0054\u005a\u0054	9		
T-55AM1PB	9		
T-55AM	9		
M60A1 USMC	9		
M60A1 AOS	9		
M60A1 RISE PATTON	9		
肖特卡尔	8		
豹 C1	8		

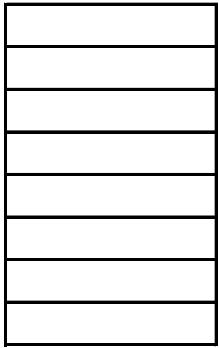
豹1A3-DK	8	
豹1A4	8	
豹 AS1+	8	
豹 1-V	8	
豹1A1NO	8	
74G型战车	8	
天马虎2	8	
T-62	8	
\u0035\u0039\u002d\u0030	7	
T-55M MATTI	7	
AMX-30B2	7	
T55A	7	
T55A TLD	7	
T55AI IGMAN	7	
\u0035\u0039\u002d\u0030	7	
\u0035\u0039\u002d\u0030	7	
\u0035\u0039	7	
\u0035\u0039\u002d\u0030	7	
AMX-30B	6	
AMX-30	6	
豹1 NL	6	
豹1A2	6	
M48A5 USMC	6	
74C型战车	6	
74A型战车	6	
61型战车	6	
BMP685	5	
御夫座	5	
豹1no	5	
M48A5K	5	
M48A5	5	
M48A3K	5	
M48A1	5	
M48A2G2	5	
M48A2G	5	
M48A5 WRSA	5	
M47巴顿	4	
AMX-10RC SB	4	
AMX-13 FL15	3	
AMX-13 HARPON	3	
M8 AGS	3	
T34/85	3	
\u0036\u0033\u002d\u0030	3	

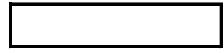
M41A1	2	
M24	2	
蝎式轻型坦克	2	
M551谢里登	2	
PT90	2	
PT76	2	
Sinhung坦克	2	
63-1坦克	2	











HEAT in Orange

85mm Zis-S-53	FOFANOV	WT	波兰表格	wiki
BK-367	1950s	165-170		
BK-367M				
3BK2	1961-1962	220-225		
3BK2M	1961-1962		300	

100mm D-10T

3BK5	FOFANOV	WT	波兰表格	wiki
3BK5	1961-1962	280-350?		
3BK5M	1961-1962		380	
3BK17	1977-1978	?		
3BK17M	1977-1978	400		

84mm QF 20-pdr

WT Link

Shot Mk.1

173

Shot Mk.3

198

76mm L23A1

76mm APFSDS

200

苏联T-35/85 Zis-RHA mm (2000)	AP at 2275	AP at 2625	
150	12	12	https://forum.warthunder.com/in
200	13	13	
250	14	14	
300	15	15	

AP	RPG/RR Pen RHA(mm)	ATGM
12	150	
13	200	
14	250	400
15	300	
16	350	
17	400	
18	450	
19	500	650
20	550	
21	600	
22	650	
23	700	
24	750	900
25	800	

RHA mm (2000)	AP at 2275	AP at 2625	
180	7	5	
200	8	6	

200 8 6 <http://www.scorpiontank.co.uk/P>

2

数据录入：TOP GUN, OO

国家/单位	单位名	单位Hash	新单位名	载重 (吨)	原补给量	原价格	价格	现补给量	链接
苏联	Mi-26	C7305D0000000000	Mi-26	27最大	6000	110	110	10000	https://military.wik
兔子	Mi-6	877B010000000000	Mi-6	20垂直/20滑行	3700	75	75	6000	https://military.wik
苏联	Mi-6			12垂直/20滑行	3700	75	75	6000	https://military.wik
波兰	Mi-6			12垂直/20滑行	3700	75	75	6000	https://military.wik
美国	CH53E SUPER STALLION			13.6	3700	75	75	6000	http://www.militar
南非	SA-321 S 164786DA0771DF07				3700			6000	
美国	CH47C SUPER CHINOOK			10.3	2500	55	55	5100	http://www.militar
加拿大	CH147 CHINOOK				2500	55	55	5100	http://www.militar
澳大利亚	CH47C CHINOOK			10.3	2500	55	55	5100	http://www.militar
韩国	CH-47D DA4251482101000			10.3	2500	55	55	5100	http://www.militar
捷克	T815 KOI381DD39521241E			15	2400	40	40	5000	http://www.militar
东德	V-LKV T815				2400	40	40	5000	https://tractors.fan
南斯拉夫	FAP 2832-A			10	2400	40	40	5000	http://www.srpskic
美国	HEMTT				2400	40	40	5000	http://www.militar
以色列	OSHKASH			10	2400	40	40	5000	http://www.militar
南非	SAMIL 1 CD9327E4BC5412209				2400			5000	
东德	V-LKV T813			8	1750	30	30	3600	http://www.militar
捷克	T813 KOI381DD315000000				1750	30	30	3600	http://www.militar
德国	MAN KAT 1 6x6			7.3	1750	30	30	3600	https://www.milita
澳大利亚	MAN KAT 1 6x6				1750	30	30	3600	https://www.milita
加拿大	HLVM				1750	30	30	3600	
德国	MatTrsp CH-53G			3.6	1500	35	35	2000	https://en.wikipedi
以色列	YAS 'UR	YAS'UR 2		3.6	1500	35	35	2000	
英国	CHINOOK 4223C1343DBB6D			4.5	1500	35	35	2000	https://en.wikipedi
东德	VERSORGUNGS Mi-8	4内置/3外挂			1500	35	35	2000	http://www.militar
芬兰	Mi-8P KPI			4	1500	35	35	2000	http://www.militar
波兰	Mi-8 ZAOP.				1500	35	35	2000	http://www.militar
南斯拉夫	HT-40 TERETNI			4	1500	35	35	2000	http://www.militar
瑞典	P93 SCAI A63B9B6847281A	5.0-8			1100	20	20	3000	http://wv https://w
苏联	URAL-4320			6	1100	20	20	3000	https://military.wik
德国	V-LKV MD JUPITER				1100	20	20	3000	
丹麦	FORSYNINGS JUPITER				1100	20	20	3000	
瑞典	HKP 4A	4B51C312000内置	2/外挂4.5		1000	25	25	1000	http://www.militar
东德小轿车	Trabant 01				1000				
日本	KV107 SHIRASGAI	内置2/外挂4.5			1000	25	25		http://www.militar
法国	PUMA 330L LOGISTIQUE	内置/4.5外挂			1000	25	25		http://www.militar
挪威	AS.332	3内置/4.5外挂			1000	25	25		http://www.militar
荷兰	AS.532 VRACHT	3内置/4.5外挂			1000	25	25		http://www.militar
朝鲜	Mi-4 CARGO			1.6	1000	25	25		https://military.wik
捷克	Mi-4 ZASOBOVACI				1000	25	25		https://military.wik
荷兰	AB204B VRACHT			1.5	1000	25	25		http://www.militar
朝鲜	ZIL-130 C 151610823591000	4.5-5			800	15	15	2200	https://military.wik
波兰	STAR 266 ZAOP	3.5越野 / 5公路			800	15	15	2200	http://www.tdm-m
美国	M35 CARGO	2.27越野 / 4.5公路			800	15	15	2200	http://www.militar

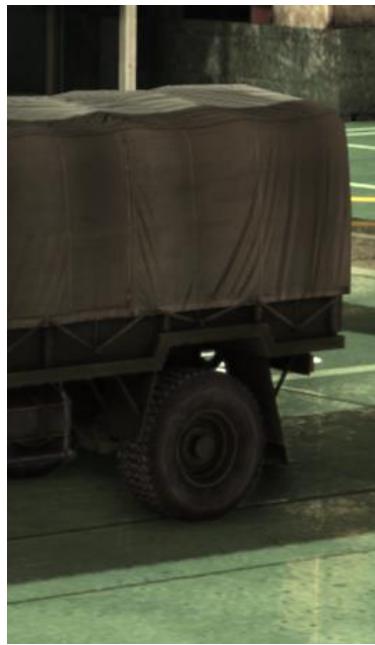
基础数量(总补给量	Weapon	UnitPrice	UnitYear	年代	UnitSteal
ia.org/wiki/Mil_Mi-26					
ia.org/wiki/Mil_Mi-6					
ia.org/wiki/Mil_Mi-6					
ia.org/wiki/Mil_Mi-6					
y-today.com/helicopters/ch53e_super_stallion.htm					
y-today.com/helicopters/ch_47_chinook.htm					
y-today.com/helicopters/ch_47_chinook.htm	5	800			
y-today.com/helicopters/ch_47_chinook.htm	10	2400			
y-today.com/helicopters/ch_47_chinook.htm					
y-today.com/trucks/tatra_t815.htm					
dom.com/wiki/Tatra_815					
oklop.paluba.info/vucnivoz/fap2832/opis.htm					
y-today.com/trucks/hemtt.htm					
y-today.com/trucks/hemtt.htm					
y-today.com/trucks/tatra_t813.htm					
y-today.com/trucks/tatra_t813.htm					
ry-today.com/trucks/man_kat1_6x6.htm					
ry-today.com/trucks/man_kat1_6x6.htm					
a.org/wiki/Sikorsky_CH-53_S	5500KG	ch-53GS	2	500	
CHINOOK HC.1 = CH-47B, CH47A: 4.5 T					
y-today.com/helicopters/mil_mi8_hip.htm					
y-today.com/helicopters/mil_mi8_hip.htm					
y-today.com/helicopters/mil_mi8_hip.htm					
y-today.com/helicopters/mil_mi8_hip.htm					
ww.pmulcahy.com/heavy_uv/swedish_huv.htm					
ja.org/wiki/Ural-4320					
y-today.com/helicopters/ch46_sea_knight.htm	6	1100			
y-today.com/helicopters/ch46_sea_knight.htm					
y-today.com/helicopters/eurocopter_puma_cougar.htm					
y-today.com/helicopters/eurocopter_puma_cou	8	1750			
y-today.com/helicopters/eurocopter_puma_cougar.htm					
ja.org/wiki/Mil_Mi-4					
ja.org/wiki/Mil_Mi-4					
y-today.com/helicopters/uh1_iroquois.htm					
http://www.military-today.com/trucks/zil_130.htm					
ilitary.com/military-vehicles/star-266/star-266-ukw-0914/					
y-today.com/trucks/m35.htm					

UnitTrain UnitHp

OpticsLan OpticsAir OpticsSea



UnitSpeed UnitFuel UnitTOT UnitAltitude UnitDBName



同色代表飞行速度模块相同

Y = 真, 非Y = 假

武器名	武器Hash值	新武器名	武器Hash值即唯一条件
SKYFLASH SUPER	B29AC7AB0F770000	Active Skyflash	Y
R-27R	1C32700000000000		Y
R-27R1 Vympel	02870C1C00000000		Y
SKYFLASH	2D1EAF3EDC010000		Y
Rb 71	02C2700000000000		Y
MICA EM	D7B334D305000000		Y
AIM-7M	17724D0B00000000		Y
AIM-120A->AIM-4B3008D7B4000000	AIM-120C		Y
R-77->R-77-1	08C2010000000000	R-77-1	Y
R-24R	5C31700000000000		Y
DERBY	FE79AB0E00000000		Y
V4 R-Darter	91076E9E06812003		Y
SUPER530 D	4E40180000000000		Y
AIM-7E	0F724D0B00000000		Y
AIM-7F	10724D0B00000000		Y
R-23R	1C31700000000000		Y
R-40R	41C1010000000000		Y
PL-11			Y
Rb 27 Falcon	C8C0700000000000		Y
SUPER530 F	5040180000000000		Y
R.530	0161700000000000		Y
R-40T	5E50700000000000		Y
AIM-54 Phoenix	85714D0B00000000	AIM-54C Phoenix	Y
R-37 Vympel	08C1010000000000		Y
R-33E Vympel	0F41700000000000	R-33E Vympel	Y
R-27T	1E32700000000000		Y
R-27ER			
AIM-4D FALCON	C5352D0000000000		Y
V-3A Kukri	CCC23464C8819503		Y
V3B Kukri	D2232ECD18865706		Y
V-3C Darter	52D380D276911C09		Y
U-Darter	D8F3315F183ED307		Y
AIM-9B	8C724D0B00000000		Y
AIM-9E	8F724D0B00000000		Y
AIM-9F	90724D0B00000000		Y
AIM-9J	94724D0B00000000		Y
AIM-9L	96724D0B00000000		Y

AIM-9S	9D724D0B00000000	Y
AIM-9M	97724D0B00000000	Y
AIM9X		Y
		Y
Python3	C44CB7B9AF010000	Y
Python4	C54CB7B9AF010000	Y
AAM-1	C2B52C0000000000	Y
R.550 Magic	5760181C00000000	Y
R.550 Magin II	C315180607000000	Y
Rb 28 Falcon	C9C07000000000000	Y
Rb 24J	C5C07000000000000	Y
MICA IR	DCB434D305000000	Y
Shafrir 2	C3EDDEABD9760000	Y
Rb 74	05C2700000000000	Y
		Y
R-13M	1721540000000000	Y
R-55	DD37741C00000000	Y
R-60	C1C1010000000000	Y
R-60M	5770700000000000	Y
R-73M1 Vympel	C245201C00000000	Y
R-73A	04C2010000000000	Y
PL-2	83A5010000000000	Y
PL-5(A)	86A5010000000000	PL-5B
PL-7	88A5010000000000	Y
PL-8	89A5010000000000	Y

<u>瞄准时间</u>	长装填	短装填	原初速
	2	2	52000
			52000
			104000
			78000
			78000
			52000
			104000
1	0.4	0.4	26000
1	0.4	0.4	
1	0.4	0.4	26000

原加速度	原最大速度	备注	初速度
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52000	780000		
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104000	780000 shared by multi ins, SAM, and AAM		
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78000	1040000		
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52000	780000		
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104000	650000 shared by multi ins, SAM, NAVY SAM, IR AAM		
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26000	780000	52000	
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52000	780000		
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导弹加速度	原射程	对空射程(km)	对直升机射程(km)	多发制导	原精度
	8400	50	12		50
	8400	70	12	2	60
	8400	70	12	2	50
	7700	50	12	2	50
	7700	50	12	2	50
	7700	50	12		65
	7700	70	12	2	50
	7700	110	12		60
	7700	110	12		60
	7700	50	12	2	50
	7000	50	12		70
	7000	60	12		70
	7000	40	12	2	60
	7000	50	12	4	35
	7000	70	12	2	40
	7000	27	12	2	40
	7000	30	12	2	40
	7000	50	12	2	40
	7000	16	12	2	35
	6300	30	12	2	50
	5600	18	12		40
	5600	35	12		40
52000	12600	150			40
	12600	150			40
	11200	160			30
	4550	60	12		45
	3150	10	10		25
	3500	4	4		40
	3500	4	4		45
	3850	10	10		50
	3850	10	10		60
	3500	4.8	4.8		30
	3500	4.2	4.2		30
	3500	18	12		35
	3500	18	12		40
	3850	18	12		50

4200	18	12	55
4200	18	12	60

3850	15	12	50
4200	18	12	60

3500	7	7	30
3500	10	10	45
3850	15	12	50
3500	10	10	25
3500	18	12	40
4200	50	12	65
3500	5	5	40
3850			50

3500	11	11	40
4200	10	10	35
3500	8	8	40
3500	10	10	50
4200	18	12	50
4200	18	12	60
3500	9	9	30
3500	16	12	40
3500	14	12	50

4200	18	12	50
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原HE值	武器类型	口径	单位名	备注
6	射后不理	雷达	TORNADO F.3	-> ACTIVE SK
6		半主动雷达	Su-27S	苏联, 半主动
6		半主动雷达	Su-27SK	TG
6		半主动雷达	TORNADO F.2	
6		半主动雷达	JA 37 VIGGEN	瑞典名称 (英)
5		雷达	RAFALE C F1	
6		半主动雷达	F-15A EAGLE	美国
5		雷达	F-15C EAGLE	AIM-120C, 1
5		雷达	Su-27PU	R77-1, 110KM
5		半主动雷达	MiG-23ML	捷克
5		雷达	BARAK II	以色列
5		雷达		南非
5		半主动雷达	MIRAGE 2000C RDI	
5		半主动雷达	F-4J PHANTOM II	美国
6		半主动雷达	KURNASS 2000	
5		半主动雷达	MiG-23MF	波兰
8		半主动雷达	MiG-25PD	苏联
5		半主动雷达	J-8C	TG
5		半主动雷达	J 35S	芬兰 (瑞典, A)
5		半主动雷达	MIRAGE F1C	
5		半主动雷达	MIRAGE 1110(F)	澳大利亚, 只
8	红外		MiG-25PD	苏联
8		雷达	F-14	
8		雷达	MiG-31M	
7		雷达	MiG-31	4发同时制导
6	红外		MIG-29 9-12B	朝鲜
		/		原版没有, »
5	红外		CF-101B VOODOO	加拿大
4	红外			南非
4	红外			南非
5	红外			南非
6	红外			南非
4	红外		F-4E PHANTOM II	澳大利亚, 4H
4	红外		MiG-21Bis	芬兰
4	红外		F-4EJ	日本, 4HE
4	红外		KF-5E JEGONG-HC	韩国, 4HE
4	红外		F-104G	荷兰, 4HE

5	红外	RA'AM	以色列
5	红外	F-15C	美国
4	红外	LAVI	以色列
5	红外	BAZ MESHUPAR	以色列
4	红外	F-104J RYU	日本
4	红外	MIRAGE F1C	法国
4	红外	MIRAGE F1C-200	法国
4	红外	J 35J DRAKEN	瑞典, AIM-4
4	红外	J 35J DRAKEN	瑞典, AIM-9F
5	红外	RAFALE C F1	法国
4	红外	SHAHAK	以色列
4	红外	AJS 37 VIGGEN	瑞典
4	红外	L-12	南斯拉夫
5	红外	MiG-19PM	波兰
3	红外	MiG-21Bis	芬兰
4	红外	L-17K	南斯拉夫
5	红外	Su-27SK	TG
5	红外		苏联
4	红外	J-7II	TG
4	红外	F-7B	TG
4	红外	Q-5D	TG
4	红外	J-8IIB	TG, =Python

对直升机射程 CYFLASH,50km , R-27A, 同尺寸主动型号	链接 http://www.airwar.ru	airwar / 80km	链接 https://en.missil.ru	misslery / 60km
国天空闪光)		http://www.airwar.ru 50km		https://en.missil.ru 50km
10KM, AIM-120A(70km) M, R-77(80km)		http://www.airwar.ru 50km	https://en.missil.ru	50-60km /
		http://www.airwar.ru 100km	https://en.missil.ru	50km
		http://www.airwar.ru 50km	https://en.missil.ru	50km
		/	https://en.missil.ru	50km
		http://www.airwar.ru 40km	/	/
		http://www.airwar.ru 35km	https://en.missil.ru	25km
		http://www.airwar.ru 30km	https://en.missil.ru	30km
		http://www.airwar.ru 50km	/	/
IM-26)		http://www.airwar.ru 16km		
		http://www.airwar.ru 25km		/
带1发				
		http://www.airwar.ru 35km	https://en.missil.ru	35km

(因此视为主动)

AIM120A>AIM-7F	http://www.airwar.ru 70km	https://en.missil.ru 60km
1750	http://www.airwar.ru 9.7KM, 18kg HE	
	http://www.airwar.ru	4
	http://www.airwar.ru	4
	http://www.airwar.ru	8

IE

http://www.airwar.ru 18km	https://en.missil.ru 18KM
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<http://www.airw> 18km

<https://en.missil> 20KM

<http://www.airw> 15km, 11kg HE

<http://www.airw> 15km

23, AIM-9J export variant

<http://www.airw> 5km

<http://www.airw> 16.6KM

<http://www.airw> 10KM

<http://www.airw> 7km

<https://en.missil> 8km

<http://www.airw> 10km

<https://en.missil> 10km

<http://www.airw> 3km(=R-13)

<http://www.airw> 16km(=AIM-9B-G)

<http://www.airw> 3KM?

3

<http://www.airw> 5KM?

链接

mili today

链接

designation

<http://www.milit> 75km

<http://www.desi> 70km

<http://www.desi> 50-70km

<http://www.milit> 30km

<http://www.desi> 30km

<http://www.milit> 70km

<http://www.desi> 70km

<http://www.desi> 16km

<http://designati> 150km(54C) |

<http://www.desi> 10km

<http://www.desi> 18KM

<http://www.desi> 18KM

<http://www.desi> 18KM

<http://www.desi> 10km

<http://www.desi> 18km, aim-9j

<https://man.fas.org/dod-101/sys/index.html>

链接

<https://www.aereimilitari.org/Armamenti/Skyflash.htm> other
<http://ausairpower.net/APA-Rus-BVR-AAM.html> 45km
70km

<http://ausairpow> 46.3km
<https://www.airf> 60km

https://military.wikia.org/wiki/Swedish_Air_Force_weapon: sweden name fo
[https://military.wikia.org/wiki/MICA_\(missile\)](https://military.wikia.org/wiki/MICA_(missile)) 80km

<https://www.aer> 40km
<https://www.airf> 60km

WT Missile statistics (in-game values) 50km(launch), 30km max lock

<http://www.saairforce.co.za/the-airforce/weapons/69/v4-i> 60km

WT Missile statistics (in-game values) 50km(launch), 30km, max lock

WT Missile statistics (in-game values) 25km max lock, 27km lax launch

<https://baijiahao.baidu.com/s?id=1586954393383924427>, 18km

<https://www.weaponsystems.net/system/219-AIM-54%20> 150km(54C)

<https://www.weaponsystems.net/system/213-Vympel%20> 160km

<http://ausairpower.net/APA-Rus-BVR-AAM.html> 80km <https://www.airf> 50km

<http://www.saairforce.co.za/the-airforce/weapons/65/v3a> 4km, 12kg frag

<http://www.saairforce.co.za/the-airforce/weapons/66/v3b> 4km, =AIM-9J, 12kg TORPEX 2A

<http://www.saairforce.co.za/the-airforce/weapons/67/v3c> 10km, 16kg TORPEX 2A

<http://www.saairforce.co.za/the-airforce/weapons/62/u-d> 10km, 17kg HE

http://www.military-today.com/missiles/aim_9_sidewinder 5km

https://military.wikia.org/wiki/Python_(missile)	15km, 11kg warhead 15km?
https://baijiahao.baidu.com/s?id=1661584172127251319	10km
https://military.wikia.org/wiki/R.550_Magic	15km
https://military.wikia.org/wiki/Swedish_Air_Force_weapons	
https://www.airforce-technology.com/projects/mica-air-to-air-missile-system/	
https://military.wikia.org/wiki/Python_(missile)	5km, 11kg HE warhead
https://tieba.baidu.com/p/7270301148	7km R-3S*1.5
https://varsitygaming.net/gaijin-please-the-mig-21pfm-n	8-10km
https://military.wikia.org/wiki/R-60_(missile)	8km, 3kg warhead 3.5kg warhead
https://military.wikia.org/wiki/PL-2	7.6km
https://military.wikia.org/wiki/PL-2	10km(A), 16km(B)
https://military.wikia.org/wiki/PL-7	14km
https://www.163.com/war/article/5IA8VHPT00011232.html	15km,(python3 +)
https://military.wikia.org/wiki/PL-8_(missile)	11kg HE, 20km

<https://infogalac> 73km

/

<https://infogalac> 50km

<https://infogalac> 50km

<https://infogalac> 55-75km

<https://infogalac> 80km

<https://infogalac> 50km

/

<https://infogalac> 45km

<https://infogalac> 50km

/

<https://infogalac> 63km

<https://infogalac> 15km

<https://military.v> 7km

| WT Missile statis 11km max lock, 16km max launch, can not be slave to radar

<https://infogalac> 8KM

| WT Missile statis 9KM MAX

| WT Missile statis 11km max lock, 16km max launc <https://wiki.wart> 1986-PL-5B

武器名	新武器名	武器Hash值	加炮塔数量
R-27R	[2x SG]R-27R	1C32700000000	1
SKYFLASH	[2x SG]SKYFLASH	2D1EAF3EDC010	1
Rb 71	[2x SG]Rb 71	02C2700000000	1
AIM-7M	[2x SG]AIM-7M	17724D0B0000C	1
R-24R	[2x SG]R-24R	5C31700000000	1
SUPER530 D	[2x SG]SUPER530	4E40180000000	1
AIM-7E	[4x SG]AIM-7E	0F724D0B00000	3
AIM-7F	[2x SG]AIM-7F	10724D0B0000C	1
R-23R	[2x SG]R-23R	1C31700000000	1
R-40R	[2x SG]R-40R	41C1010000000	1
			1
Rb 27 Falcon	[2x SG]Rb 27 Falc	C8C0700000000	1
SUPER530 F	[2x SG]SUPER530	5040180000000	1
R-27R1 Vympel	[2x SG]R-27R1 Vy	02870C1C00000	1

		salvostock 和UI
		3 unit, 为3
		1 unit, 为3
		1 unit, 为3
		4 unit, 为3
		1 unit, 为3
		1 unit, 为3
F-4J PHANTOM II, 面板1号位	329DCF66AB51(全	是3
F-4EJ KAI, 面板1号位	AE59514F01010 4 unit,	除了EJ KAI 为2, 其余全是3 M117 (8发) , 1u
		全是3
MiG-25PD, 面板1号位	8E660CAC7B01(1	unit, 为3
J-8C, 面板1号位	4DC2CEA63FAB(飞豹为3,	J-8C为2 PL-8,
J 35S, 面板1号位	9D41500000000	2 AIM-9P 3, 1unit,
		全是3
		全是3

空空弹炮塔index	隔壁武器名	隔壁武器Hash值	隔壁武器炮塔Index	武器管理器名
Unit, =3	1 M117(X8)	88205C0000000	2 F4E_J Kai JAP	
YJ-82K, 2 =3	1 PL-8 1 AIM-9P 3	89A5010000000 84A65CD302000	2 Shenyang_J8C_C 2 J35S	

数据录入：OO

实例顺序	武器名	导弹DBName	新武器名
	7 AGM-12C	Descriptor_Missile_AC	AGM-12C(1.25 Mach)
	1 AGM-65B	Descriptor_Missile_AC	AGM-65B(0.9 Mach)
	21 AGM-65C Maverick	Descriptor_Missile_AGM65C_Maverick	
	6 AGM-65D	Descriptor_Missile_AC	AGM-65D(0.9 Mach)
	22 AGM-65D Maverick	Descriptor_Missile_AGM65D_Maverick	solo
	3 AGM-65E	Descriptor_Missile_AC	AGM-65E(0.9 Mach)
	8 AGM-65F	Descriptor_Missile_AC	AGM-65F(0.9 Mach)
	2 AGM-65G	Descriptor_Missile_AC	AGM-65G(0.9 Mach)
	10 AJ 168	Descriptor_Missile_AJ	AJ 168(0.9 Mach)
	5 AS-11	Descriptor_Missile_AS	AS-11(0.6 Mach)
	4 AS30	Descriptor_Missile_AS	AS30(1.25 Mach)
	20 AS30L	Descriptor_Missile_AS	AS30L(1.25 Mach)
	15 GROM-B	Descriptor_Missile_GF	GROM-B(0.9 Mach)
	23 Kh-23	Descriptor_Missile_Kh	Kh-23
	12 Kh-23M	Descriptor_Missile_Kh	Kh-23M(1.75 Mach)
	13 Kh-25ML	Descriptor_Missile_Kh	Kh-25ML(1.75 Mach)
	14 Kh-29D	Descriptor_Missile_Kh	Kh29D
	18 Kh-29L	Descriptor_Missile_Kh	Kh-29L(1.75 Mach)
	19 Kh-29T	Descriptor_Missile_Kh	Kh-29T(1.75 Mach)
	11 Kh-66	Descriptor_Missile_Kh	Kh-66(1.75 Mach)
	16 Rb 05A	Descriptor_Missile_Rb	Rb 05A(1.25 Mach)
	17 Rb 75	Descriptor_Missile_Rb	Rb 75(0.9 Mach)
	9 YJ-7	Descriptor_Missile_YJ	YJ-7(0.9 Mach)

Missile_Model_Name	备注	弹头重量 (kg)	武器Hash值	武器Hash值即唯一
GameData:/Assets/3D	SA, by 1 unit, 高爆弹头	440	8370450B00000CY	
GameData:/Assets/3D		56	8C715CD102000CY	
GameData:/Assets/3D			8D715CD102000000	
GameData:/Assets/3D		56	8E715CD102000CY	
GameData:/Assets/3D			8E715CD102000000	
GameData:/Assets/3D	SA, by 2 unit	136	8F715CD102000CY	
GameData:/Assets/3D		136	90715CD102000CY	
GameData:/Assets/3D	澳洲, 30穿	136	91715CD102000CY	
GameData:/Assets/3D	SA, by 1 unit	150	C921500B00000CY	
GameData:/Assets/3D	很小, == SS.11, 600mm RHA		82D02D00000001Y	
GameData:/Assets/3D	SA, by 2 unit	240	1F6939DAC66C41Y	
GameData:/Assets/3D	SA, by 1 unit	240	5640740B00000CY	
GameData:/Assets/3D		111	CC95711100000CY	
GameData:/Assets/3D			C4D0560000000000	
GameData:/Assets/3D	SA, by 3 unit	111	1731B41500000CY	
GameData:/Assets/3D	SA, by 4 unit	86	C6D0560000000CY	
GameData:/Assets/3D		320	8E32B41500000CY	
GameData:/Assets/3D	SA, by 1 unit	320	9632B41500000CY	
GameData:/Assets/3D		320	9E32B41500000CY	
GameData:/Assets/3D	SA, by 2 unit	111	C7D1560000000CY	
GameData:/Assets/3D	SA, 1 unit 高爆弹头	160	46C0700000000CY	
GameData:/Assets/3D	AGM65B的瑞典名	56	06C2700000000CY	
GameData:/Assets/3D		50 (猜测)	0835020000000CY	

对地射程(km)	制导备注	备注	对直升机射程(km)	导弹尺寸
	12 MCLOS	制导16km, WT Missile statistics (in-game values) copy		-0.25
	12 Optical	12km锁定, 23km最大发射, WT	10	-0.25
	12 IR	12km锁定推测	10	-0.25
	12 SALH	12km锁定推测	10	-0.25
	12 IR	12km锁定推测	10	-0.25
	12 IR	12km锁定推测	10	-0.25
11 MCLOS		基于原版射程推测		-0.25
3.5 MCLOS				-0.25
12 MCLOS				-0.25
12 SALH		12km锁定, 10km发射, 12km锁定推测	10	-0.25
12 TV		基于原版射程推测	10	-0.25
10 MCLOS/SALH??		10km制导, WT Missile statistics (in-game values)		-0.25
12 SALH		12km锁定, 10km发射, WT Missle statistics (in-game values)	10	-0.25
12 IR		12km锁定, 10km发射, WT Missle statistics (in-game values)	10	-0.25
12 SALH		12km锁定, 10km发射, WT Missle statistics (in-game values)	10	-0.25
12 TV		12km锁定, 13km最大发射, WT	10	-0.25
10 SACLOS		10km制导, WT Missile statistics (in-game values)		-0.25
8 MCLOS		制导8km, WT Missile statistics (in-game values)		-0.25
12 Optical		12km锁定, 23km最大发射, WT	10	-0.25
12 TV		基于原版射程推测	10	-0.25

原射程	原HEAT	备注	现实装药	AGM FACTOR		1.7
				HE	HE半径	
2975 HE			136.5	19	424	
3150	26		51.195	23.1	234	
3325	26		51.195	23.1	234	
3325	30		100	28.9	293	
3325	30		100	28.9	293	
3325	30		100	28.9	293	
3150	30 150kg战斗部		115	30.3	307	
2800						
3500	30		115.28	30.3	307	
3500	30		115.28	30.3	307	
3325	30 105kg战斗部, 标		85	27.4	278	
2975	28		96	28.5	289	
3150	28		119.04	30.6	311	
3325	30 基于其他Kh-29猜		148.992	33.0	335	
3150	30		148.992	33.0	335	
3500	30 300+kg 战斗部		148.992	33.0	335	
2975	28		65.28	25.0	254	
2975 HE			76.8	16	350	
3150	26		51.195	23.1	234	
3150	26 30kg战斗部, 推		30	19.3	196	

压制	压制半径	原版精度	最小散布	武器类型	链接
975	848		30	70 AGM	/
539	469		40	60 AGM	https://en.missile-db.com/weapons/agm-60-poseidon
539	469		50	50 AGM	https://en.missile-db.com/weapons/agm-50
674	586		50	50 AGM	https://en.missile-db.com/weapons/agm-50
674	586		50	50 AGM	https://en.missile-db.com/weapons/agm-50
674	586		60	40 AGM	https://en.missile-db.com/weapons/agm-40
706	614		40	60 AGM	https://en.missile-db.com/weapons/agm-60-poseidon
					/
707	615		35	65 AGM	/
707	615		60	40 AGM	https://en.missile-db.com/weapons/agm-40
638	555		60	40 AGM	/
665	578		50	50 AGM	https://en.missile-db.com/weapons/agm-50
714	621		50	50 AGM	https://en.missile-db.com/weapons/agm-50
770	669		50	50 AGM	/
770	669		50	50 AGM	https://en.missile-db.com/weapons/agm-50
770	669		50	50 AGM	https://en.missile-db.com/weapons/agm-50
585	508		30	70 AGM	https://en.missile-db.com/weapons/agm-70
805	700		50	50 AGM	/
539	469		40	60 AGM	/
451	392		50	50 AGM	/

<http://www.designation-systems.net/dusrm/index.html>

	SPEED(kph)	WT SPEED(kph)
https://military.wikia.org/wiki/WT Missile statistics (in-game values) copy		1600
https://fas.org/n comp B relative WT Missile statistics (in-game va	1150	1100
comp B relative 135kg warhead	1150	1100
ery.info/missile/a 136kg warhead	1150	1100
illery.info/missile/agm65f	1150	1100
	1150	1100
https://military.wikia.org/wiki/ https://baijiahac 20km		1100
https://military-l 3km range, 200r WT Missile statistics (in-game va	700	800
https://military.wikia.org/wiki/WT Missile statistics (in-game va	1700	1300
ery.info/missile/as30l WT Missile statistics (in-game va	1600	1300
https://military https://www.yugoimport.com/en high-subsonic	1100	1100
ery.info/missile/x23 WT Missile statistics (in-game va	2700	2400
illery.info/missile/x25ml WT Missile statistics (in-game va	3100	2400
https://military.wikia.org/wiki/WT Missile statistics (in-game va	2100	2100
illery.info/missile/x29t WT Missile statistics (in-game va	1600	2100
https://military.wikia.org/wiki/WT Missile statistics (in-game va	2500	2400
https://military.wikia.org/wiki/WT Missile statistics (in-game values) copy		1500
WT Missile statistics (in-game values) copy		1100
https://baike.b 0.8 MACH, 15KM	1000	

速度模块备注	导弹最大速度	马赫数	未代码化		
			[非关键词]UI格子	SalvoIndex	武器管理器名
		1.25		2	2
	57200	0.9			
		0.9			
		0.9		2	2
		0.9			
		0.9			
		0.9		2	2
AS-11独立模块转给AGM-65B, AS-		0.6			
		1.25	null	null	
		1.25		2	2
		0.9			
		1.75		2	2
		1.75		2	2
		1.75		2	2
	109200	1.75			
		1.75			
		1.75		2	2
独立模块	78000	1.25		2	2
		0.9			
		0.9			

武器管理器Salvo 武器管理器SalvoCount

数据录入：TOP GUN

字体颜色:用以表明练度,:

指挥班		ATC
A66EE3CED5541907	#command BONBU	D06CC6EE7545DE02
A9DDC97403000000	#command COMMAND SQUAD	03349BB17B5D0000
A66EE3CED52C1007	#command FÜHRUNGSGRUPPE	CB00CD66EC5E1700
A66EE3CED52C0E07	#command FÜHRUNGSTRUPP	39CD9A5085010000
32DDA06A07000000	#command GROUPE DE CMDT	DE72E96DA32D1400
B0599B1200000000	#command HAPAK	9C359BE74D3B0000
A66EE3CED5680B05	#command HONBU-HAN	D8624D17892D0000
A9A9DBB87335D507	#command HQ SECTION	02842DD674010000
A9A9DBB873351506	#command JIIHWI-BAN	03842DD674551F00
294DCFE96CCA7405	#command KOM. ODELJENJE	39CD9A10672D1A00
BA8D3B57D375DC07	#command KOMANDNOE OTDELENIE	B70ECF74C5598B06
3AFDD2F9ACCA7405	#command KOMENTOJOUKKUE	B329CB7495B22605
A66EE3CED5701906	#command KOMMANDOPLASS	4642A755CA9A1400
A9A9DBB873359503	#command STABSDELING	AC7E3B1D97690000
A66EE3CED53C6107	#command STABSGRUPP	39CD9A50C7651A00
AEDACEEAB39A7907	#command STAF EENHEID	F04C5795A6010000
A66EE3CED5589906	#command SZTAB DOWODZENIA	39CD9A50A5690000
A66E77CED590D802	#command TAC HQ	B70ECF74D575DC07
A9A9DBB87335DD07	#command TACOM	379DC326C47D9E06
A9A9DBB803000000	#command VELITELSKÝ ŠTÁB	39CD9A10F7791A00
A66EE3CED54C5203	#command ZHIHUIBAN	3F7AE1B70ECF7405 3F8ADF3A3CD31500 39CD9A10000000000 85F2B6598E6B0000 D790BC6D96E31A00 75ADDFF161740C07

红色为民兵,橙色为正规,绿色为冲击,蓝色为特种

底色:用以表明类型

喷火兵			
ATGM MILAN F1		ECFCE4B16EE2F802	ASSAULT ENGINEERS
ATGM MILAN F2		B7EACEB4AB91D802	ASSAULT PIONIERS
ATGM MILAN F3		F8ADD6B5D94D5203	FÁNG HUÀ BīNG
BAN-TANK FAGOT		16A6BAB31A010000	GENIE
CHU-MAT		F8ADD6B5D9551800	GONGBYONG
DORBAN-LR		F8ADD6B5D9551907	GONGBYUNG
MILAN		328DAAA9EACE6A04	PIONEERS
MILAN 1		FEADD66607000000	SAPERY
MILAN 2		6A6D7646D275DC07	SAPERY '85
PALR FAGOT		FE7FABB5D9010000	SAPERZY
PALR KONKURS		9DC9D3F96CE2AA03	SAPERZY SZTURMOWI
PALR MILAN		B7AED66607000000	SAPEURS
PALR MILAN 2		EF4CBBB57CD37907	STORMPIONJÄRER
PORS DRUG		B7EACEB4AB010000	STURMPIONIERE
PORS FAGOT		B75A9B1D00000000	ŽENISTÉ
PPK KONKURS		SAPPER	
PPK FAGOT			
PTUR KONKURS-M			
PTUR KONKURS			
PTUR FAKTORIYA			
PTŘS KONKURS-M			
PTŘS KONKURS			
PTŘS FAGOT			
PstOhj 94			
PstOhj 82M			
Pvgrp RBS 56			

MILAN

南非

10

后缀:2,5,10,15用以标明人数

后备部队		步枪兵	
7A8BE2B929BBAA04	HEIMATSCHÜTZEN	B32AABF1EA721506	BOCHONGSU
B93ADFAAB9CBAA04	HEMVÄRNSMÄN		BOKKOP
AA2CAB6F7BABA604	HÆR HJEMMEVÆRNET		BOKKOP '90
E96DEA51AA721506	JUCKWIDAE	384DA7B309020000	CANADIAN AIRBORNE
EA7CABBB2ABBAA04	LHV	93A56946822D0D00	CANADIAN AIRBORNE '90
B2ABC7EE05000000	MILUIM	2E379B6E6ACE6603	CANADIAN RIFLES
1686AB776E620000	NATRES	46329B6E6ACE6603	CANADIAN RIFLES '85
2E6CEE748ED31800	NOSTOVÁKI	F8ADAB386EB60D00	CHASSEURS
2D8AABFBAD22A07	RESERVESCHÜTZEN	107EEB2A8E9B6D03	CHASSEURS '85
6A8EBBFBADE22A07	RESERVISTES	E96CCA32DD90D802	COMMANDOS
A67BD3B97BDFAA07	TERRITORIALS	A62CD34DA090D802	COMMANDOS '90
E6EBDE74EEDEAA07	TO	F8ADB2ACEB90D802	DIGGERS
B319AB322D551907	YEBIGUN	2ACBBA4EA090D802	DIGGERS '90
EA7EABB8CA4D5203	YŪBÈIYÌ	33CD9AB703000000	DRAGONER
2EEACE3F1D9B2400	ZÁLOŽNÍCI	F8ADBAB18BEB1000	FUSILIERS
BURGERMAG		6EECE23A6424D507	FUSILIERS '90
		B79A9AB37A470000	GEVÆRMENN
		F3ACCAB76AEE6A04	GEVÆRMENN '90
		6E6EEE6E04000000	GIVATI
		F8ADBA939AB7704	GRENAIDIERS
		B83ABBB779551907	HAEBYUNG
		B37B9B57A0541907	HAEBYUNG '90
		B83ABBB779551800	JEOGOCKDAE
		EAECDEE615281506	JEOGOCKDAE '90
		B7CA9A14000000000	JÄGER
		EE6DC2A649010000	JÄÄKÄRI
		81E2DE266C9A1400	JÄÄKÄRI '90
		6A7A9BECEE5A0000	LIVGARDEN
		81A2A6B7C9EEAE05	LIVGARDEN '85
		B83ABBB7794D5203	LU ZHÀNDUI
		B37B9B57A04C5203	LU ZHÀNDUI '90
MECINF			
MECINF '90			
		E64EFFEE6CB6EA05	MEHANIZOVANA PEŠ.
		268CBAB739DFF405	MORNARIČKA PEŠ.
		AA66FA268CDFF405	MORSKAYA PEKHOTA
		F84D5F81D275DC07	MORSKAYA PEKHOTA '90
		B3FAE77A8B760000	MOT.-SCHÜTZEN
		8132AB7FAEB76807	MOT.-SCHÜTZEN '90

B17AE7F84DE7F405	MOTOSTRELKI
778EDF744E5F8102	MOTOSTRELKI '90
2E1AAB778EDF0000	MOTOSTŘELCI
AA0BE3AA7BAA2E06	NIEBIESKIE BERETY
8192BBA7EA620000	NIEBIESKIE BERETY '90
B90FE3B789CFA606	PANSARSKYTTÉ
81729BF86C6A0000	PANSARSKYTTÉ '90
E6EBDE268ECFA606	PANSSARIJAÄKARI
81729BF86C6A0000	PANSARSKYTTÉ '90
B37AB3B7FACFA606	PANZERGRENADIÈRE
D175ABFF6C6A0000	PANZERGRENADIÈRE '90
	PARABAT
	PARABAT '90
6A4DD3776EDEA606	PARATROOPERS
776EDEA66624D507	PARATROOPERS '90
74E5A3B1FADF7907	PIECHOTA ZMECH.
EEADE66A4CDF1A00	PROLETERI
8A7BABB91AD3B706	PROLETERI '90
B32AABF1EA720000	RIFLEMEN
B21AAF2E6724DD07	RIFLEMEN '90
E6357100000000000	RIMa
E6357146C2410000	RIMa '85
B96BEE3407000000	ROVAIT
8192BBE64E730000	ROVAIT '90
AAACC6ABCB551907	SOCHONG-SU
6ABCBA9C91541907	SOCHONG-SU '85
264FE7B389AB0E00	SPADOCHRONIARZE
8142A766DD010000	SPADOCHRONIARZE '90
B54ADF794ED37907	STOOTTROOPEN
8692D374DE010000	STOOTTROOPEN '95
F24DE71D00000000	STORMER
AAACC6ABCB690B05	SYOUJŪ-BUNTAI
6ABCBA5CA0680B05	SYOUJŪ-BUNTAI '90
B23B9BED6CFE1E00	TZANHANIM
8AECCE663B9BBF07	TZANHANIM '95
B83ABBB779751F00	US MARINES
EAECDEE66524DD07	US MARINES '90
A003020000000000	VDV
A003064AD7711F00	VDV '90
FA6DC2A989FB2000	VÝSADKÁŘI
8A7E9B706AE23E08	VÝSADKÁŘI '90
AAECB2EADDAA26608	WACHREGIMENT
AAACC6ABCB4D5203	ZHÀNSHÌ

6ABCBA9C914C5203

ZHÀNSHÌ '85

武器模型错误用红色字体

冲击练度PKM: 波兰, 东德 冲击侦察

筒子	机枪	国家	价格	人数	轻步
RPG-7	Type 73 LMG	NK	10	10	26AED6268CA73703
RPG-7	Bren L4	南非	10	10	0652C2781C9B1000
FT5	FN MAG	南非	15	10	F2ADBE301EC72604
CGM2	C2A1	加拿大	20	10	EB3CE52DEB5A1506
CGM3	Minimi	加拿大	25	10	383DDF74D475DC07
					F34D4781D275DC07
					B8D9C2B71E551F00
					660BDF7A6424D507
					E96CC62DEB4A0602
CGM2	Bren L4	澳大利亚	20	10	B79ACE66DCB2AE04
CGM2	Minimi	澳大利亚	20	10	AA3ABECFC680B05
M72 LAW	Bren L4	澳大利亚	10	10	A6F9CE6E7E9B6605
M72A4 LAW	Minimi	澳大利亚	15	10	33EDB2AA05000000
					CBB54033EDB2AA05
M72 LAW	L7A1	英国	10	10	748BAA9A09B7AA05
LAW 80	L86 LMG	英国	15	10	2DDAA9798BBAAA05
					78AED36807000000
					F1EA72B91528DD07
RPG-7V	Galil ARM	以色列	25	15	2F9ECE667CDF3406
					B89FAB1700000000
RPG-7	RPD	NK	25	15	
Type 69-III	RPD	NK			

						突击
Type 69	Type 81	TG	15	10		B37B9B179D361C04
PF-89	Type 81	TG	25	10		2A7AD39099C7AA03
LRAC F1	FN MAG->SS-77	南非	20	10		2D8AC7B1092D1007
FT5	SS-77	南非	25	10		781C9B50A02C1007
						F2EDB6281EC72604
						5A0501000000000000
						550701000000000000
						2E4EA7B329D31500
RPG-7	RPK-74->PKM	苏联	25	15		B37B9B175EDF7405
RPG-7V	RPK-74->PKM	苏联	25	15		8672ABEECDEE605
RPG-7	RPK	东德	15	10		B7C9AAE69BE37A05
RPG-7VR	LMG 944	东德	20	10		8192E37A05000000

RPG-7	PKM	苏联	10	10	B8799B9AB6500000
RPG-7VR	PKM	苏联	15	10	B8799B5AA0680B05
RPG-75	UK vz.59	捷克	10	10	9CD7590000000000
RPG-7	RPK	波兰	25	15	E94DF3DD24350000
RPG-7V	RPK-74	波兰	25	15	E94DF35DA04C5203 2E3A9BF749A7A606 8172D2A9A9010000 E64BC3B03BCF2607 8102C3EE3C9B1C00 743A9BB24C371707 B24C37176724D507
RPG-7	FN MAG->SS-77	南非	15	10	DDD2010000000000
FT5	Mini-SS	南非	25	10	0FB4702134521808
CGM2	Bren L4	英国	20	10	DFD2340F387AD006
LAW 80	Minimi	英国	25	10	5CB77424B6000000
RPG-7	PKM	波兰	10	10	8490ABB9EA9B6D07
M72 LAW	M-72AB	南斯拉夫	15	10	BF39E3B95A770000
M-90 Str	M-82A	南斯拉夫	25	10	9EF3551907000000 E66D6A1506000000 E66D6A8152610000
M72 LAW	FALO	以色列	10	10	
M72A4 LAW	FN MAG	以色列	10	10	
RPG-7	RPK	波兰	15	10	
RPG-7VR	RPK-74	波兰	20	10	
RPG-7V	FN MAG	以色列	20	10	
B300	FN MAG	以色列	25	10	
RPG-16D	RPK-74->PKM	苏联	20	10	
RPG-29	RPK-74->PKM	苏联	25	10	
RPG-7	RPK->VZ.59	捷克	15	10	
RPG-7VR	LADA RPK	捷克	20	10	
RPG-18	RPK	东德	25	15	
Type 69	Type 67	TG	10	10	

Type 69-I

Type 67

TG

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兵有

捷克侦察特种的PKM模型也错了

武器模型错误用红色字体

兵	筒子	机枪	国家	价格	人数	火
BRDSKA PEŠ.						B79ACFBA047B1506
FALLSKJERMJEGER						EE4CBBB57CEB7907
FALLSKJERMJEGER '90						B5DEA9B70B614B03
GONGBOBYONG						EEACCFBB19010000
GORNOSTRELKI						B92AD3B9399B7704
GORNOSTRELKI '90						AC9AE7748EA7F104
GURKHAS						8142E7781A4F0000
GURKHAS '90						56C321C755651C00
HIGHLANDERS						B79ACFBAA42D1400
HIGHLANDERS '90						E172010000000000
HUDOU-REN						B709C7E605000000
KAARTINJÄÄKÄRI						E1B27017892D0000
LEGION						EEBCD3B78ACEA606
LEGION '90						2A6BBEB7FACFA606
LEHKA PECHOTA						F0ECE2B809E32607
LEICHTE SCHÜTZEN						E17275DD07000000
LIGHT RIFLEMEN						56A6394AA4750000
LIGHT RIFLEMEN '90						B3CACAE7CD37907
NORRLANDSJÄGARE						81C2CEAE7CD37907
STRZELCY PODHALAŃSCY						6A3EEB12EC4D5203
BUFFALOS	RPG-7	HK21	南非	25	15	462255DE24350000
BUFFALOS 85						18ABD2717DEB3A08
						0AABD2717DEB3A08

部队	筒子	机枪	国家	价格	人数
COMMANDO-MARINE					
DELTA FORCE					
FALLSCHIRMJÄGER					
FALLSCHIRMJÄGER '90					
FJB-40	RPG-7V	Strela-3 MANPAD	25	10	
FKP					
FSK					
KOMANDOSI	RPG-16D	RPK	波兰	35	15
KORPS MARINIERS	CG M2	FALO	荷兰	35	15
KORPS MARINIERS '95	AT4	Minimi	荷兰	35	15
KUSTJÄGARE					
KUSTJÄGARE '90					

KÜTEI					
KÜTEI '90					
LStR-40					
LÌ JIÀN	Type 69	Type 81	TG	25	10
LÌ JIÀN '90	FHJ-84	Type 81	TG	35	10
PADOBRANCI					
PADOBRANCI '90					
RANNIKKOJÄÄKÄRI	Raikka	Kk 62->Valmet	芬兰	30	10
RANNIKKOJÄÄKÄRI '90	APILAS	Valmet M78->	芬兰	35	10
ROYAL MARINES	CGM2	Bren L4	英国	30	10
ROYAL MARINES '90	LAW 80	Minimi	英国	35	10
SAS					
SASF					
SASF '90					
SASR					
SHAYETET 13					
SPETSNAZ	RPO Rys	RPK-74	苏联	35	10
UDT/SEAL					
YUCKJEONDAE	RPG-7	RPD	NK	25	10
YUCKJEONDAE '90	Type 69-II	RPD	NK	30	10

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火力支援		MANPADS	
BIBANCHUNGPO	B309DF2603000000	BARKAN	
DECKUNGSGRUPPE	B0F99B0C00000000	BAZAK	
ERYX	B55BF374CCCC260A	BLOWPIPE	
GAVNUNI	B7CAAA6E0C010000	FLIEGERFAUST	
GRANÁTOMET AGS-17	C3ADB2AA1B430000	FLIEGERFAUST 2	
ILDSTOTTEGRUPPE	66CC4EB0C9993104	Fla-Kom IGLA-1	
ILDSTOTTEGRUPPE '85	EA9D77B0C9993104	Fla-Kom STRELA-2	
JIKSA-HWAGI-BAN	8B814993D4000000	HN-5A	8B8149000000000
M67-HAN	8C814993D4000000		8C8149000000000
MAW	AAAFA62A57651C00	HYU-SAM REDEYE	
MESAYA'AT	B179E7B87B551907	HYU-SAM MISTRAL	
MRAAW	B7CACE6EDE551907	HYU-SAM STINGER	
PANCÉROVNÍCI	66CC4E1506000000	IGLA	
PANZERJÄGER	0992791300000000	ITO 78	
RASKASSINKORYHMÄ	D79164DE04000000	ITO 86M	
SMAW	B31BABBB49CD260A	JAVELIN G/L	
SPG9-D	B31BABBB49010000	LAAD JAVELIN	
STORMINGENIOR	AAAFA62AE72C8B05	LAAD REDEYE	
STORMINGENIOR '90	2A3BBB79E72C8B05	LAAD STINGER A	
TÁNKÈ SHĀSHÖU	0D3BBB7907000000	LAAD STINGER C	
TÁNKÈ SHĀSHÖU '85	B91ACBA6E42C8B05	LLRkt HAMLET	
VUURPLOEG	B7CACE6EDE11CA05	LLRkt M/93	
VUURPLOEG '95	75ADD5180740C07	Lvgrp RBS 70	
B-10(UNITA)	2A8F074AC7700000	Lvgrp RBS 90	
INFILCT	B179E7B87B711000	MISTRAL	
	8319AB77DE010000	PLRK STRELA-2	
	8419AB77DE910D00	PLRK STRELA-3	
	83199BFF9D770000	PPZR STRZAŁA-2	
	57C6450000000000	PPZR GROM	
	82A2D6BEA72D1400	PSAM	
	8419AB77DE551C00	PZRK STRELA-3	
	66CC4E15476A0000	PZRK IGLA	
	9760C6ECD475DC07	PZRK IGLA-N	
	42B84D5203000000	QW-1 RBS 70 RBS 70 Mk. 2	42B80100000000
	373D0748C7700000		01D2311C000000
	037CCD01D2311C00		4380740C070000
	01D2311C892D0000	RBS-70	
	AAAFA62A47620B00	REDEYE	
	B7CACE6EDE690B05	STINGER	

1676ABECECE61D00	STINGER
EA9D7719A8759A05	STRELA-2M/A
8319AB77DE551800	STRELA-2
74EC7619A8759A05	SILO
	STRELA-2 南非
	STRELA-3 南非
	STINGER(UNITA) 南非

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数据录入：OO

UnitType	单位Hash值	单位名	UnitTrain	UnitHp
Infantry: Anti-Tank	D8624D17892D0000	MILAN	Regular	2
Infantry: Anti-Tank	D06CC6EE7545DE02	ATGM MILAN F1	Regular	2
Infantry: Anti-Tank	03349BB17B5D0000	ATGM MILAN ER	Regular	2
Infantry: Anti-Tank	CB00CD66EC5E1700	ATGM MILAN F3	Regular	2
Infantry: Anti-Tank	9C359BE74D3B0000	DORBAN-LR	Regular	2
Infantry: Anti-Tank	39CD9A1000000000	PTŘS FAGOT	Regular	2
Infantry: Anti-Tank	DE72E96DA32D1400	CHU-MAT	Regular	2
Infantry: Anti-Tank	4642A755CA9A1400	PALR MILAN ER	Regular	2
Infantry: Anti-Tank	B329CB7495B22605	PALR MILAN	Regular	2
Infantry: Anti-Tank	3F7AE1B70ECF7405	PTŘS KONKURS-M	Regular	2
Infantry: Anti-Tank	F04C5795A6010000	PPK KONKURS	Regular	2
Infantry: Anti-Tank	3F8ADF3A3CD31500	PTŘS KONKURS	Regular	2
Infantry: Anti-Tank	02842DD674010000	MILAN 1	Regular	2
Infantry: Anti-Tank	19D539A4E5386003	MILAN	Regular	2
Infantry: Anti-Tank	39CD9A5085010000	BAN-TANK KONKURS-M	Regular	2
Infantry: Anti-Tank	39CD9A10672D1A00	PALR FAGOT	Regular	2
Infantry: Anti-Tank	B70ECF74C5598B06	PALR KONKURS	Regular	2
Infantry: Anti-Tank	AC7E3B1D97690000	PORS DRUG-M	Regular	2
Infantry: Anti-Tank	39CD9A50C7651A00	PORS FAGOT	Regular	2
Infantry: Anti-Tank	39CD9A50A5690000	PPK FAGOT	Regular	2
Infantry: Anti-Tank	379DC326C47D9E06	PTUR KONKURS	Regular	2
Infantry: Anti-Tank	D790BC6D96E31A00	PstOhj 82M	Regular	2
Infantry: Anti-Tank	85F2B6598E6B0000	PstOhj 94	Regular	2
Infantry: Anti-Tank	75ADDFF161740C07	Pvgrp RBS 56	Regular	5
Infantry: Anti-Tank	39CD9A10F7791A00	PTUR FAKTORIYA	Regular	2
Infantry: Anti-Tank	03842DD674551F00	MILAN ER	Regular	2
Infantry: Anti-Tank	B70ECF74D575DC07	PTUR KONKURS-M	Regular	2

Transport: Armored Per 9E071282782D0000	AMX-13 VTT
Transport: Armored Per 1636719A782D0000	AMX-PRI
Transport: Armored Per 81C1790C00000000	BTR-50
Transport: Armored Per 15566981C1010000	BTR-50PK
Transport: Armored Per 0EE7310000000000	BTR-D
Transport: Armored Per B819ABE96D320000	BARDELAS

Transport: Armored Per 16161445012D0E00	DAF YA 4440
Transport: Armored Per 0351801000000000	FV432
Transport: Armored Per 379D770441142004	FV4333 STORMER
Transport: Armored Per 55C605C150010000	K200
Transport: Armored Per 15461C1500000000	ZSD-531A
Transport: Armored Per 55C6090B21085705	KM113A1
Transport: Armored Per 30AADF79600C5705	K-511
Transport: Armored Per 165678A005000000	LVT-4
Transport: Armored Per 88E6811600000000	LVTP-7
Transport: Armored Per 55C6219A075A0000	LVTP-7
Transport: Armored Per 55C6151E68010000	BUFFALO IV
Transport: Armored Per 011110C24208C205	M113A1 30/30
Transport: Armored Per 811110C24208C205	M113A1 30/50
Transport: Armored Per 16262C84205C0000	M113A1
Transport: Armored Per C34208C205000000	M113A1
Transport: Armored Per C44208C205000000	M113A3
Transport: Armored Per 95432C84205C0000	M/113G
Transport: Armored Per C212118270010000	M113A1G
Transport: Armored Per B28EC93A660CC405	M325 NUN-NUN
Transport: Armored Per 30AADF9E415C0000	M35
Transport: Armored Per 30AADF9E301C1700	M621
Transport: Armored Per B87BB32A4E5FC705	M6 MOSEGRIS
Transport: Armored Per B79ABBB54E391700	MD JUPITER
Transport: Armored Per 8CE55D0000000000	MT-LBV
Transport: Armored Per 8BC3319677010000	MZTM MT-LB
Transport: Armored Per DDA2651E000000000	TOPAS
Transport: Armored Per 8DB6044202000000	OT-810
Transport: Armored Per F3ADE6F3645C5E06	OT M-5
Transport: Armored Per 5A705C5E06000000	OT M-60P
Transport: Armored Per B7AA9BEC3FBB1A00	PINZGAUER
Transport: Armored Per E3ADEA26FBCFAE06	PINZGAUER
Transport: Armored Per 8FE434D5B47DD403	SAMIL 50
Transport: Armored Per 951618A1D6010000	SPW-50PK
Transport: Armored Per 8131881D00000000	SX250
Transport: Armored Per E6ED1DC7709B7907	STAR 266
Transport: Armored Per 492198776E7A0000	TATRA 148
Transport: Armored Per 8470B21E00000000	TGB 13
Transport: Armored Per 39EDD31E8CEAB707	CHUGATA
Transport: Armored Per 52D30884A1D6BE07	ZSD-63C
Transport: Armored Per 02612CC4A1D6BE07	ZSD-63A
Transport: Armored Per 54A32D04A2D6BE07	NANA-SAN SHIKI
Transport: Armored Per 24B6B0B4ECCE1F00	UNIMOG
Transport: Armored Per 8E8110B1797F0000	URAL-375D

Transport: Armored Per 353E9BB7B7701608	VLRA
Transport: Armored Per 161618C68170DA08	YPR-765-50
Transport: Armored Per A87EE70121581309	ZIL-130
Transport: Armored Per 8821581309000000	ZIL-157
Transport: Armored Per B219B7A849020000	ZACHLAM
Transport: Armored Per 661AAB2400000000	ZELDA
Transport: Armored Per C34208C2359B2800	M113A1
Transport: Armored Per A87E7B0671CD260A	M35
Transport: Armored Per DDA265DE70000000	OT-62A
Transport: Armored Per C24208C2359B2900	M/113A1
Transport: Armored Per B95BEB9473CD660A	MD JUPITER
Transport: Armored Per C24208C275D33300	NM113
Transport: Armored Per 0642C4E6FD99E90D	LKV URAL
Transport: Armored Per 24B6341AB858DD02	ASLAV-PC
Transport: Armored Per F1FFBB77A445E002	GRIZZLY
Transport: Armored Per 24B6E41DEEEF102	STOLLY
Transport: Armored Per D59777B8BBC70B00	STALWART
Transport: Armored Per F86CDEB9BBCA0B00	AMFIBIEBIL
Transport: Armored Per 5C370D86C0790C00	BTR-152
Transport: Armored Per 1536180000000000	BTR-152
Transport: Armored Per 15A60507E7310000	BTR-60P
Transport: Armored Per E4928116B7512208	BUFFEL
Transport: Armored Per 338DBB0CB6340000	BISON
Transport: Armored Per 97E8485B55659704	CASSPIR Mk.2
Transport: Armored Per A8799B1D111C2004	FV603 SARACEN
Transport: Armored Per B72A9B1200000000	HAMER
Transport: Armored Per 81203A8CB6500000	HMV
Transport: Armored Per 55C6058172550000	KM900
Transport: Armored Per EEECAC24208C205	M113A1 MINIGUN
Transport: Armored Per AABACBBA9428CA05	M998 HUMVEE
Transport: Armored Per 33DDA2A6CC9A1800	NAGMACHON
Transport: Armored Per CBD02D5AE6010000	TOPAS-2A
Transport: Armored Per DA32748B96790000	TOPAS-2AP
Transport: Armored Per 41222CE2C9E6A606	PATGB XA-180
Transport: Armored Per 8397551D00000000	SKOT-2
Transport: Armored Per D560000000000000	SPW-152K
Transport: Armored Per D537D3BDD9010000	SAXON
Transport: Armored Per 41222CA28EBB1D00	XA-180
Transport: Armored Per 43219FAC07000000	TGB m/42
Transport: Armored Per 788BEAD05F7B0000	TPz FUCHS
Transport: Armored Per 93D434DA72180000	ZSL-56
Transport: Armored Per CC02020000000000	VAB
Transport: Armored Per 41222C2200000000	XA-180

Transport: Armored Per 197624C222020000 **XA-186NO**
Transport: Armored Per 1636855A1214DA08 **YP-408 PWI**
Transport: Armored Per CBD02D5AE60D0700 **OT-62B**
Transport: Armored Per B97B9B7F8B2E0000 **ACHZARIT**
Transport: Armored Per 4772811903000000 **BOV M-86 #reco1**
Transport: Armored Per 41C1790C00000000 **BTR-40 #reco1**
Transport: Armored Per 4C50701E03000000 **SPW-40 #reco1**
Transport: Armored Per B30B315A70701E03 **BTR-60PB**
Transport: Armored Per A4161C9CC7000000 **BTR-60PB**
Transport: Armored Per 01C2790C00000000 **BTR-70**
Transport: Armored Per 41C2790C00000000 **BTR-80**
Transport: Armored Per 15C668C1C1790C00 **BTR-60PB**
Transport: Armored Per 9305690B66555F03 **CASSPIR K-CAR**
Transport: Armored Per F96DD61D11082004 **FV103 SPARTAN #reco1**
Transport: Armored Per 1C8DAA7710285705 **KM900 #reco1**
Transport: Armored Per 0BC859C24208C205 **M113A1 LRV #reco1**
Transport: Armored Per E0D22C84205C0000 **M113 ACAV #reco1**
Transport: Armored Per 2A8AAADC85700000 **RAM RECCE #reco1**
Transport: Armored Per CBE0655507000000 **SKOT-2A**
Transport: Armored Per 56A669CBE0655507 **SKOT-2AP**
Transport: Armored Per 41126A1D00000000 **SPW-80**
Transport: Armored Per 8C161CA1D6010000 **SPW-60PB**
Transport: Armored Per 01126A1D00000000 **SPW-70**
Transport: Armored Per 02C22C1E00000000 **OT TAB-71**
Transport: Armored Per 93D418865AFB1E00 **ZZC-55 #reco1**
Transport: Armored Per D115180208000000 **V-150 #reco1**
Transport: Armored Per CBE06555F7A30000 **OT-64A**

普步价格	10	冲击价格	15	特种价格	25
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Turret 1 Weapon 0 Turret 1 Weapon 1

MILAN F1

MILAN F1

MILAN ER

MILAN F3

Spike LR

Fagot-M

Chu-MAT

MILAN ER

MILAN F1

9N131 M1: Konkurs-M

Konkurs

Konkurs

MILAN F1

MILAN F1

9N131 M1: Konkurs-M

Fagot-M

Konkurs

DRUG-M

Fagot-M

Fagot-M

Konkurs

Konkurs

Spike MR

RBS 56

Faktoriya

MILAN ER

9N131 M1: Konkurs-M

高穿筒子	5	高射速机枪	5	多5人份	5	基础数量(
Weapon	UnitPrice	价格	UnitYear	年代	UnitSteal	备注	新单位名	
WeaponC	10		1985		2			0
WeaponC	10		1975		2			0
WeaponC	25		2004		2			0
WeaponC	15		1993		2			0
WeaponC	25		1987		2			0
WeaponC	10		1976		2			0
WeaponC	20		1989		2			0
WeaponC	25		2005		2			0
WeaponC	10		1975		2			0
WeaponC	30		2003		2			0
WeaponC	20		1990		2			0
WeaponC	20		1979		2			0
WeaponC	10		1975		2			0
WeaponC	10		1974		2.5			0
WeaponC	30		2003		2			0
WeaponC	10		1975		2			0
WeaponC	20		1990		2			0
WeaponC	20		1991		2			0
WeaponC	10		1980		2			0
WeaponC	10		1976		2			0
WeaponC	20		1975		2			0
WeaponC	20		1982		2			0
WeaponC	20		1994		2			0
WeaponC	20		1982		2			0
WeaponC	10		1975		2			0
WeaponC	25		2004		2			0
WeaponC	30		2002		2			0
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基础数量(基础数量(基础数量(基础数量(精英)

视野模块归类

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16	12	0	0
16	12	0	0
16	12	0	0
28	20	0	0
14	10	0	0
12	8	0	0

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40	32	24	16
32	24	16	12
32	24	16	12
40	32	24	16

数据录入：OO

continuation of mortar new hash

HEA

Weapon	武器名	新武器名	武器Hash	新武器Ha	原版GUI	Wea	Sta	Acc	Max	Anti	Weapon	Wea
LAW	LRAC F1		CDC2590000000000	00000000-000		0.6	700	HEAT	19			
LAW	Carl Gustaf FFV751: CGM2		BB99E37A	BBBBD000	00000000-000	0.6	700	HEAT	18			
LAW	RPG-7VR PG-7VR: RPG-7V2		1C88441A070000	00000000-000		0.5	525	HEAT	24			
LAW	M72A4 LAW M72E9 LAW		C53220170000000	00000000-000		0.4	525	HEAT	16			
LAW	M72 LAW M72A4 LAW		E1620DC80500000	00000000-000		0.3	525	HEAT	13			
LAW	Carl Gustaf FFV751: CGM2		BB99E37A	BBBBD000	00000000-000	0.7	700	HEAT	18			
LAW	Carl Gustaf FFV441: CGM2		BB99E37A	BBBBD000	00000000-000	0.7	700	HE				
LAW	Carl Gustaf FFV597: CGM3		C4B59B39	BBBBD000	00000000-000	0.6	875	HEAT	20			
LAW	B-10 HEA BK-881M: B-10		BBBBD000	BBBBD000	00000000-000	0.4	1400	HEAT	12			
LAW	B-10 O-881A: B-10		81C00000	BBBBD000	00000000-000b-0000-06		2100	HE				
LAW	RPG-7 PG-7VS: RPG-7		48A4710000000000	00000000-000		0.4	700	HEAT	14			
LAW	RL-100 Blindicide		B31B33446271000	00000000-000		0.5	525	HEAT	14			
LAW	M20A1 Super Bazooka		BFC904C30500000	00000000-000		0.3	525	HEAT	10			
LAW	Type 69-I PG-7VL: Type 69-1		91C609CAA1D6BE0	00000000-000		0.4	700	HEAT	20			
LAW	PF-89 PF-89B		4A02690000000000	00000000-000		0.6	700	HEAT	21			
LAW	Type 69		91C629875AFB1E0	00000000-000		0.4	700	HEAT	14			
LAW	Type 56		91C61D865AFB1E0	00000000-000		0.3	525	HEAT	10			
LAW	Type 78 R 82mm HEAT: Type 78		BBBBD000	BBBBD000	00000000-000	0.4	1400	HEAT	12			
LAW	Type 78 R 82mm HE: Type 78		56C32588	BBBBD000	00000000-0000-0000-06		2100	HE				
LAW	PW-78B F 82mm HEAT: PW-78B		BBBBD000	BBBBD000	00000000-000	0.4	1400	HEAT	16			
LAW	PW-78B 82mm HE: PW-78B		41126A00	BBBBD000	00000000-0000-0000-06		2100	HE				
LAW	LRAC 73		04D22C9C0500000	00000000-000		0.4	455	HEAT	14			
LAW	APILAS		DD624DDA0200000	00000000-000		0.5	700	HEAT	23			
LAW	RPG-7V PG-7VL: RPG-7		20126910	BBBBD000	00000000-000	0.4	700	HEAT	17			
LAW	M-57A2		C38218170000000	00000000-000		0.5	525	HEAT	14			
LAW	RPG-2		43A4710000000000	00000000-000		0.3	525	HEAT	10			
LAW	Miniman		B329BBB37B01000	00000000-000		0.3	525	HEAT	14			
LAW	Carl Gustaf FFV597: CGM3		C4B59B39	BBBBD000	00000000-000	0.7	875	HEAT	20			
LAW	Carl Gustaf FFV441B: CGM3		C4B59B39	BBBBD000	00000000-000	0.7	875	HE				
LAW	M67 RR H M371A1: M67		BBBBD000	BBBBD000	00000000-000	0.4	1400	HEAT	13			
LAW	M67 RR M590: M67		56C321C7	BBBBD000	00000000-0000-0000-06		2100	HE				
LAW	PzF 44		4501FD1A0000000	00000000-000		0.55	700	HEAT	16			
LAW	RPG-18		8910691C0000000	00000000-000		0.5	525	HEAT	15			
LAW	RPG-16D		8710691C0000000	00000000-000		0.6	875	HEAT	15			
LAW	AT4 AT4-HP		85B7000000000000	00000000-000		0.5	700	HEAT	19			
LAW	AT12T		DE20780B0000000	00000000-000		0.5	700	HEAT	25			
LAW	RPG-29 \ RPG-29 2003		CA10691C000000	00000000-000		0.7	875	HEAT	24			
LAW	T21 Tarasnice		C2E001000000000	00000000-000		0.4	1400	HEAT	12			
LAW	FT5		8607C5AAC3A000	00000000-000		0.6	700	HEAT	23			
LAW	RPG-75		0612691C0000000	00000000-000		0.4	525	HEAT	15			

LAW	Type 69-II PG-7VR: Type 69-1	91C611CAA1D6BE0 00000000-000	0.5	700 HEAT	23
LAW	Type 56 R 73mm HEAT: Type 56	BBBD0000 BBBD0000 00000000-000	0.45	1225 HEAT	12
LAW	Type 56 R 73mm HE: Type 56	56C31D80 BBBD0000 00000000-0000-0000-06		2100 HE	
LAW	RPG-7V PG-7VR: RPG-7V2	20126910 BBBD0000 00000000-000	0.7	700 HEAT	17
LAW	RPG-7V TBG-7V: RPG-7V2	20126910 BBBD0000 00000000-000	0.7	700 HE	
LAW	Raikka	260CBB260700000(00000000-000	0.5	525 HEAT	18
LAW	PzF 3 PzF 3-IT 600	04F46B0000000000(00000000-000	0.7	700 HEAT	24
LAW	M-90 Stršljen	F89D77817201000(00000000-000	0.5	700 HEAT	24
LAW	MUSTI HE 95mm HEAT: MUSTI	BBBD0000 BBBD0000 00000000-000	0.4	1400 HEAT	16
LAW	Musti 95mm HE: Musti	6E8EEB17 BBBD0000 00000000-0007-0000-06		2100 HE	
LAW	SPG-9D PG-9VNT: SPG-9D	8E126910 BBBD0000 00000000-000	0.55	1050 HEAT	16
LAW	SPG-9D OG-9V: SPG-9D	8E126910 BBBD0000 00000000-000	0.55	1050 HE	
LAW	B300	4.1E+15 00000000-000	0.7	875 HEAT	21
LAW	RPG-26	C710691C0000000(00000000-000	0.55	700 HEAT	20
LAW	LAW 80	#NULL! 00000000-000	0.6	700 HEAT	22
LAW	SMAW MK.153 Mod 0 SMAW	E1727500 BBBD0000 00000000-000	0.7	875 HEAT	21
LAW	SMAW SMAW-NE	E1727500 BBBD0000 00000000-000	0.7	875 HE	
LAW	P27 Pancerovka	F4ADA2B3A921830 00000000-000	0.25	525 HEAT	12
LAW	Armbrust 300	39AEDFA77C2F000(00000000-000	0.4	525 HEAT	13
LAW	Armbrust 300	39AEDFA77C2F000(00000000-000	0.4	525 HE	
LAW	Carl Gustav M2	BB99E37A0400000(00000000-000	0.65	700 HEAT	18
LAW	SARPAC	CDA2714B0700000(00000000-000	0.4	525 HEAT	12
LAW	SPG-9 HEAT	BBBD000000000003-00000000-000	0.45	1050 HEAT	12
LAW	SPG-9	4AA475000000000(00000000-0000-0000-06		2100 HE	

T

Range(m)	对地射程(km)	火箭筒穿深 (mm)	HEAT	静止精度(%)	移动精度(%)
	400		17		
	530		20		
	750		24	60	5
	450		18		
	350		16	40	5
	530		20	70	5
	1			60	5
	0.5	900	27	50	5
eff 400	1	240	14	50	5
	2.1				
	400		17	50	5
	300		15		
	280		15		
	500		19		
	650		22		
	260		14		
	200		13		
700 dir, 2000 ind	1	350	16	50	5
	2.1				
	1	400	17	50	5
	2.1				
	280		15		
	720		23		
	500		19		
	300		15		
	200		13		
	340		16		
	0.5	900	27	60	5
	1			65	5
300/500	0.7	350	16	50	5
300eff	2.1				
	370		16		
	350		16		
	300		15		
	600		21		
	800		25		
	1	850	26	70	5
300mov/600sta	0.8	228	14	55	5
	710		23		
	330		16		

	0.5	750	24	60	5
400/600?	0.9	200	13	55	5
	2.1				
	0.5	750	24	70	5
	1			55	5
		350	16		
600mov , high hit	1	830	26	65	5
		830	26		
700mov/1000 sta	1	550	20	50	5
	2.1				
700eff, 1200max	1	550	20	55	5
	2.1				
		400	17		
		440	18		
		700	23		
	0.9	600	21	70	5
	1			65	5
		200	13		

短装填	长装填	连发数	发射器重(kg)	弹重(kg)	链接
5	5	2	6.7	3.3	
5	5	2			
5	5	2	7.9	4.5	
3		3			
3		3			

短装填	长装填	连发数	发射器重(kg)	弹重(kg)	链接
5	5	2			
5	5	2	13	2.75	
5	5	2	6.5	4	
5	5	2			
3		3			
5	5	2	5.6	2.25	
5	5	2	2.83	1.84	

短装填	长装填	连发数	发射器重(kg)	弹重(kg)	链接
5	5	2			
5	5	2			
5	5	2			
5	5	2			
3		3			

短装填	长装填	连发数	发射器重(kg)	弹重(kg)	链接
5	5	2			
3		3			
5	5	2			
3		2			
			7.3	11.5	

短装填	长装填	连发数	发射器重(kg)	弹重(kg)	链接
5	5	2			
3		3			

5 5 3



5 5 2 2.3 13.3



5 5 2
3



5 5 2

3

	FAE Factor:	0.7 NPLM Factor:	0.5		
是否换枪模	现实装药(kg)	HE	HE半径	压制	压制半径
				420	
	1.17	4	87	199	173
	0.46	3	64	146	127
				292	
	1	4	82	189	165
	1	4	82	189	165
				372	
	1.17	4	87	199	173
	1.3	4	90	207	180

	0.75	3	75	172	150
是	6.6	5	185	420	424
	1.55	4	95	219	191
	0.735	3	74	171	149
	5.4	4	173	397	345

飞行速度(m/s) 初速度 最大散布 最小散布 修正系数 火

322

320

27000

3640

182

1

27000

3640

182

1

27000

3640

182

1 小

213

381

27000

3640

182

1

255

267

unknown

27000

3640

182

1

中

243

unknown

unknown

27000

3640

182

1

400

316

27000

3640

182

1

中

口径(mm)	口径 武器类型	TypeArme	UI格子优先级	链接
105	105mm HEAT			https://military-l.com https://odin.trackerapp.com
			2	
73	自动曲射		5	https://military-l.com https://new.qq.com http://www.milit
82mm HEAT				
82mm	自动曲射		5	
93 93mm HEAT				
132 132mm HEAT			2	
	自动曲射,子母弹		5	
				http://www.milit
				https://guns.fans
				https://www.the
				https://military-l

		https://www.163.com
		https://www.sohu.com
自动曲射	5	
105 105mm HEAT		
105mm FAE	2	
		http://www.military-life.com
		https://military-life.com
自动曲射	5	
自动曲射	5	
		http://www.military-life.com
		http://www.military-life.com
		http://www.military-life.com
83mm FAE	2	

备注

<https://www.monsieur-legionnaire.org/pdf/LRAC-73-mm-Mle-50.pdf>

FFV751, >500mm Pen



https://militaryhistory.fandom.com/wiki/B-10_recoilless_rifle

<https://omn/omn/20200508/20200508A0FRM300.html>

1973, more accurate than RPG-7V(vanilla accc 40/5)



500-600mm

over 750mm

<https://fewgoodmen.com/thefgmforum/threads/t-21-tarasnice-recoilless-gun.15669/>

https://militaryhistory.fandom.com/wiki/Denel_F 5.4KG ROUND, 5.9KG LAUNCHER

69-1为新增光学瞄准镜型

shu.com/a/223369160_587233

800mm

over 800 mm

history.fandom.com/wiki/SPG-9

ary-today.com/firearms/b300.htm

ary-today.com/firearms/rpg_26.h 2.9KG TOT

ary-today.com/firearms/mk153_smaw.htm

WeaponT	WeaponName	WeaponHash	WeaponGuid	WeaponD	WeaponF	WeaponK	WeaponI	WeaponT Sta	Acc
Grenade I	AGS-17	88D0450B0000000	00000000-00	HE			2	0.15	
Sniper Rif	M14	B75ABB335E0817	00000000-00	Bullet			1	0.95	
Sniper Rif	C15 LRSW	81819A1E0000000	00000000-00	KE		1	1	0.95	
Sniper Rif	C15 LRSW	81819A1E0000000	00000000-00	Bullet		1	1	0.95	
Sniper Rif	H&K PSG1	42D469000000000	00000000-00	Bullet		1	1	0.95	
Grenade I	Mk19	8A005F000000000	00000000-00	HE		2	2	0.15	
Grenade I	Pallad-M	576AC6B1A90100	00000000-00	HE		1	1	0.6	
Grenade I	AGS-17	88D0450B0000000	00000000-00	HE		2	2	0.15	
Sniper Rif	Howa DMR	DCE5983C2D0100	00000000-00	Bullet		1	1	0.95	
Sniper Rif	Dragunov SVD	3B3DEBAC793B00	00000000-00	Bullet		1	1	0.95	
Grenade I	Mk19	8A005F000000000	00000000-00	HE		2	2	0.15	
Sniper Rif	Zastava M76	E66EE6B8490200	00000000-00	Bullet		1	1	0.95	
Sniper Rif	Lahti	B21C0C6E9B9B16	00000000-00	KE		2	1	0.4	
Sniper Rif	Lahti	B21C0C6E9B9B16	00000000-00	HE		1	1	0.4	
Grenade I	Y-2	C378D370EC5E00	00000000-00	HE		1	1	0.6	
Grenade I	K4	4.51E+15	00000000-00	HE		2	2	0.15	
Sniper Rif	NTW-20	C1107A58ACCEAA	00000000-00	KE		2	1	0.95	
Sniper Rif	NTW-20	C1107A58ACCEAA	00000000-00	Bullet		1	1	0.95	
Sniper Rif	RT-20	C1E071000000000	00000000-00	KE		2	1	0.95	
Sniper Rif	RT-20	C1E071000000000	00000000-00	Bullet		1	1	0.95	
Sniper Rif	VSS Vintorez	BF7AD3F9EC8200	00000000-00	Bullet		1	1	0.95	
Grenade I	Hawk MM1	C275C1BC290100	00000000-00	HE		1	1	0.6	
Grenade I	M75	067200000000000	00000000-00	HE		2	2	0.1	
Grenade I	Twin Mk19	8A005FB3CB7B00	00000000-00	HE		2	2	0.15	
Grenade I	Twin AGS-17	88D045CBECF21E	00000000-00	HE		2	2	0.15	

Mov	Acc	SalvoLeng	SalvoLen	ShotSimu	ShotRelo	ShotRelo	SalvoRelo	Aim	Real	ROF	UI	ROF	Cs	Max	Anti
0.1	10	30	1	0.8	0.4	7		1	42.2535	126.761		1225			
0.2	1	1	1	4	4	4		2		15	15	1050			
0.2	1	1	1	4	4	4		2		15	15	1575			
0.2	1	1	1	4	4	4		2		15	15	1575			
0.2	1	1	1	4	4	4		2		15	15	1050			
0.1	11	32	1	0.8	0.4	8		1	41.25		120	1225			
0.1	4	7	1	0.6	0.4	4		0.6	41.3793	72.4138		455			
0.1	10	30	1	0.8	0.4	7		1	42.2535	126.761		1225			
0.2	1	1	1	4	4	4		2		15	15	1050			
0.2	1	1	1	4	4	4		2		15	15	1050			
0.1	10	30	1	0.8	0.4	7		1	42.2535	126.761		1225			
0.2	1	1	1	4	4	4		2		15	15	1050			
0.05	10	10	1	3	3	4		2	19.3548	19.3548		1225			
0.05	10	10	1	3	3	4		2	19.3548	19.3548		1225			
0.1	4	6	1	0.6	0.4	4		0.6	41.3793	62.069		455			
0.1	10	30	1	1.2	0.6	10		1	28.8462	86.5385		1225			
0.2	1	1	1	4	4	4		2		15	15	1750			
0.2	1	1	1	4	4	4		2		15	15	1750			
0.2	1	1	1	4	4	4		2		15	15	1750			
0.2	1	1	1	4	4	4		2		15	15	1750			
0.1	6	12	1	0.8	0.4	6		0.6		36	72	455			
0.05	10	30	1	1.2	0.6	4		1	40.5405	121.622		1750			
0.1	21	64	1	0.4	0.2	16		1		52.5	160	1750			
0.1	20	60	1	0.4	0.2	15		1	53.0974	159.292		1750			

Max Anti-Helo Range

595

595

595

595

595

595

595

M14 renamed M21

WeaponType	武器名	新武器名	特效bug
Grenade Launcher AGS-17			
Sniper Rifle	M21	M21: 20 rds	空手开火, 4秒1发的动画
Sniper Rifle	C15 LRSW	C15 LRSW: 5 rds	空手开火, 4秒1发的动画
Sniper Rifle	C15 LRSW		空手开火, 4秒1发的动画
Sniper Rifle	HK PSG1	HK PSG1: 5 rds	开火间隔合拍

Grenade Launcher Mk19

Grenade Launcher Pallad-M		3秒1发的动画
Grenade Launcher AGS-17		3秒1发的动画
Sniper Rifle	Howa DMR	Howa DMR: 20 rds
Sniper Rifle	Dragunov SVD	Dragunov SVD: 10 rds
Grenade Launcher Mk19		3秒1发的动画
Sniper Rifle	Zastava M76	Zastava M76: 10 rds
Sniper Rifle	Lahti L-39	Lahti L-39: 10 rds
Sniper Rifle	Lahti	4秒1发的动画, 但Mounted Weapon为非连续
Grenade Launcher Y-2		3秒1发的动画

Grenade Launcher K4

Sniper Rifle	NTW-20	NTW-20: 3 rds	4秒1发的动画, 但Mounted Weapon为连续
Sniper Rifle	NTW-20		4秒1发的动画, 但Mounted Weapon为连续
Sniper Rifle	RT-20		
Sniper Rifle	RT-20		单发没问题
Sniper Rifle	VSS Vintorez	VSS Vintorez: 10 rds	开火间隔合拍
Grenade Launcher Hawk MM1			3秒1发的动画

Grenade Launcher M75

Grenade Launcher Twin Mk19

Grenade Launcher Twin AGS-17

武器Hash值	原版GUID	WeaponDamage	WeaponHEAT	WeaponKE	WeaponHE
88D0450B00000C00000000-0000-(HE					2
B75ABB335E081C00000000-0005-(Bullet					1
81819A1E00000C00000000-0000-(KE				1	1
81819A1E00000C00000000-0000-(Bullet					1
42D4690000000C00000000-0000-(Bullet					1
8A005F0000000C00000000-0000-(HE					2
576AC6B1A9010C00000000-0001-(HE					1
88D0450B00000C00000000-0001-(HE					2
DCE5983C2D010C00000000-0000-(Bullet					1
3B3DEBAC793B0C00000000-0000-(Bullet					1
8A005F0000000C00000000-0005-(HE					2
E66EE6B849020C00000000-0000-(Bullet					1
B21C0C6E9B9B1C00000000-0007-(KE				2	1
B21C0C6E9B9B1C00000000-0007-(HE					1
C378D370EC5E0C00000000-000b-(HE					1
4.51E+15 00000000-0000-(HE					2
C1107A58ACCEA00000000-000b-(KE				2	1
C1107A58ACCEA00000000-000b-(Bullet					1
C1E0710000000C00000000-0007-(KE				2	1
C1E0710000000C00000000-0007-(Bullet					1
BF7AD3F9EC820C00000000-0002-(Bullet					1
C275C1BC29010C00000000-0000-(HE					1
0672000000000C00000000-0000-(HE					2
8A005FB3CB7B0C00000000-0000-(HE					2
88D045CBECF21C00000000-0000-(HE					2

Sta Acc	Mov Acc	SalvoLength	SalvoLengthUI	ShotSimutane	ShotReload
0.15	0.1	10	30	1	0.8
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.15	0.1	11	32	1	0.8
0.6	0.1	4	7	1	0.6
0.15	0.1	10	30	1	0.8
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.15	0.1	10	30	1	0.8
0.95	0.2	1	1	1	4
0.4	0.05	10	10	1	3
0.4	0.05	10	10	1	3
0.6	0.1	4	6	1	0.6
0.15	0.1	10	30	1	1.2
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.95	0.2	1	1	1	4
0.6	0.1	6	12	1	0.8
0.1	0.05	10	30	1	1.2
0.15	0.1	21	64	1	0.4
0.15	0.1	20	60	1	0.4

ShotReloadFx	SalvoReload	Aim	VSS special range 595m		
			对地射程(km)	对直升机射程(km)	对空射程(km)
0.4	7	1	1.5		
4	4	2	1		
4	4	2	0.8		
4	4	2	2.1		
4	4	2	1		
0.4	8	1	1.5		
0.4	4	0.6			
0.4	7	1	1.5		
4	4	2	1		
4	4	2	1		
0.4	7	1	1.5		
4	4	2	1		
3	4	2	1		
3	4	2	1.4		
0.4	4	0.6			
0.6	10	1	1.5		
4	4	2	1		
4	4	2	2.1		
4	4	2	1		
4	4	2	2.1		
4	4	2			
0.4	6	0.6			
0.6	4	1	1.5		
0.2	16	1	1.5		
0.2	15	1	1.5		

是否换枪模	连发数	面板连发数	短装填	长装填	实际射速
	30	30	0.2	7	140.625
是	20	20	4	4	15
	5	5	4	4	15
	5	5	4	4	15
	5	5	1	2	50
否	32	32	0.2	8	135.2112676
	7	7	3	4	19.09090909
	30	30	3	3	20
	4	20	0.6	2	63.15789474
否	10	10	1	2	54.54545455
	32	32	3	3	20
	10	10	1	2	54.54545455
	10	10	4	4	15
是	10	10	4	4	15
	6	6	3	4	18.94736842
	32	32	0.2	8	135.2112676
	3	3	4	4	15
是	3	3	4	4	15
	1	1	4	4	15
	1	1	4	4	15
	2	10	0.4	2	50
否	12	12	3	6	18.46153846
	30	30	0.27	4	152.1555368
	64	64	0.1	8	268.5314685
	60	60	0.1	7	279.0697674

面板爆发射速	面板射速	真实射速	链接	短装填Fx	基础齐射数
300	140.625	350-400, 180m/s	https://military-fx.com	0.2	
15	15	20r, 半自动		4	
15	15			4	
15	15	5r, 栓动		4	
60	50	5r, 半自动		1	
300	135.2112676	325-375		0.2	
20	19.09090909	120		3	
20	20			3	
500	315.7894737	20r, 64式自动步枪改, 猜测全自动		0.6	
60	54.54545455	10r, 半自动		1	
20	20			3	
60	54.54545455	10r, 半自动		1	
15	15			4	
15	15			4	
20	18.94736842	180		3	
300	135.2112676	350		0.2	
15	15			4	
15	15	3r, 栓动		4	
15	15			4	
15	15	无 (只能一发一发装)		4	
750	250	10r, 全自动		0.4	
20	18.46153846	Automatic or semi-automatic		3	
222.2222222	152.1555368	225		0.27	
600	268.5314685			0.1	
600	279.0697674			0.1	

齐射数	静止精度(%)	移动精度(%)	KE	装药(kg)		HE
				0.033	0.065	
1	55	5				1
		5	1			1
		5				1
	70	5				1
		5	1			1
		5				1
	65	5				1
		5	1			1
		5				1
2	50	5			0.065	1
		5	1		0.065	1
		5			0.033	1
	55	5				0.5
		5	1			1
		5			0.065	1
	60	5				1
		5	1			1
		5			0.065	1
3	50	5				1
		5	1			1
		5			0.02	1.0
	35	5			0.065	1
		5	1		0.065	1
		5			0.065	1
	70	5				1
		5	1		0.02	1.0
		5			0.065	1
4	70	5				1
		5	1		0.02	1.0
		5			0.065	1
	50	5				0.5
		5	1		0.065	1
		5			0.065	1
	5	5				1
		5	1		0.065	1
		5			0.065	1
2	10	5				1
		5	1		0.065	1
2	10	5			0.033	1

HE半径	压制	压制半径	UI格子优先级	稳定器改动	武器类型
26	61	53		移除	自动曲射, 小口径
3	50	40			
5	50	40	4		
5	50	40			
3	50	40			
33	76	66		移除	自动曲射, 小口径
33	76	66			小口径机炮
26	61	53		移除	自动曲射, 小口径
3	50	40			
3	50	40			
33	76	66		移除	自动曲射, 小口径
3	50	40			
5	51	45	4		
22	51	45			小口径机炮
33	76	66			小口径机炮
33	76	66		移除	自动曲射, 小口径
5	51	45	4		
22	51	45			小口径机炮
5	51	45	4		
22	51	45			小口径机炮
3	50	40			
33	76	66			小口径机炮
33	76	66			自动曲射, 小口径
33	76	66			自动曲射, 小口径
26	61	53			自动曲射, 小口径

TypeArme	瞄准时间	最大散布	最小散布	口径	弹药种类
机炮	2	5460	273		30x29mm 7.62x51mmNATO
					12.7x99mm.50BMG
					7.62x51mmNATO
机炮	2	5460	273		40x53mm 40x47mm
机炮	2	1820	91		
SAW					7.62x51mmNATO
机炮	2	1820	91	7,92mm	7.92x57mm毛瑟
					40x46mm
机炮	2	5460	273		40x53mm
					20x82mm
					20x110mm
SAW					9x39mm
					40x46mm
机炮	0.2	7280	364		40x53mm
机炮	0.2	5460	273		
机炮	0.2	5460	273		

UNOV SV

www.snipe

/08 · The SVI

Autumn 2018

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d Reading T

	直射射程 (m)	曲射射程 (m)	理论最大有效射程 (m)
枪口初速 捷克 853m/s(2800ft/s)	800 900	1200	1700 3725
823m/s(2700ft/s)	1800	7700(最远确认击杀3540)	
862m/s(2848ft/s) 以色列	1000	1500	2200
波兰特侦 步兵	400		
	800(sighting 1300)		
步兵			
730m/s(2400ft/s)	875(瞄具分划1000)		
南非侦查 韩国KAFV	400/800 1500	400	2200
720m/s, 28000J	大于1600		
850m/s(2789ft/s), 46962.5 282-292m/s(925-958ft/s)	大于1800 300		400
海豹	350	400	
UH-1		1870	2000

'D - Sniper Central

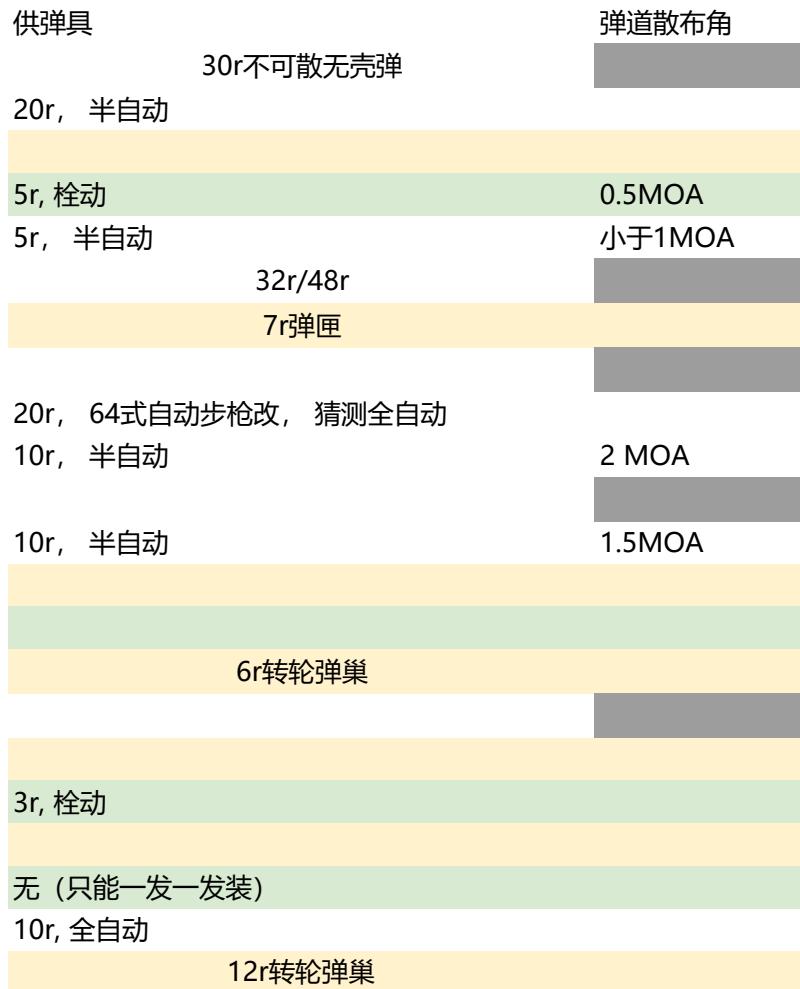
central.com/russian-dragunov-svd-2 ▾

) can be expected to shoot 2 MOA with quality

h greater distances. I have some personal expe

n greater distances. I have some personal experience:

me: 1 min



7-9

5(致死)/15(破片)

/

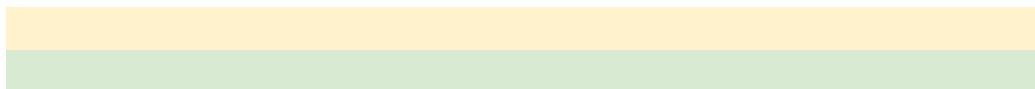
http://www.military-today.com/firearms/howa_type_64.htm

欧根口径又给错了

理论射速800-900rpm

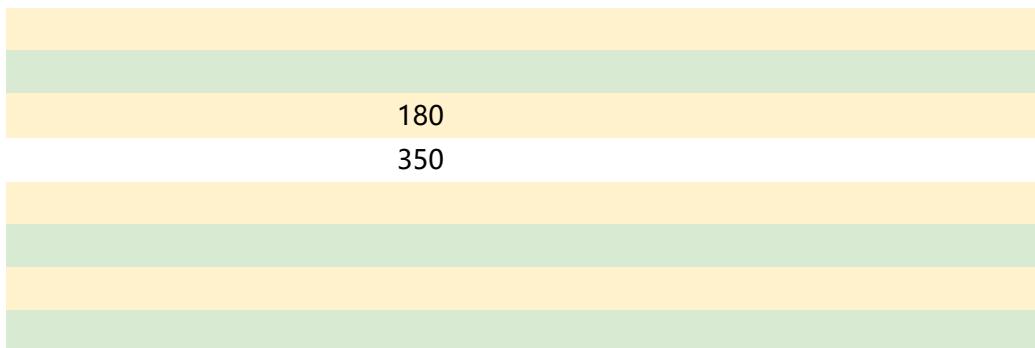
射速

350-400



325-375

120



<http://www.military-today.com/firearms/vintorez.htm>

Semi-automatic or 144(理论)

225



标号	武器名	具体口径	欧根口径
1	PKT	7.62x54mmR	7,62mm
2	NF-1	7.62x51mmNATO	7,62mm
3	AA-52	7.5x54mm	7,5mm
4	C6	7.62x51mmNATO	7,62mm
5	PKM	7.62x54mmR	7,62mm
6	MAG 7,62	7.62x51mmNATO	7,62mm
7	NF-1	7.62x51mmNATO	7,62mm
8	L7A1	7.62x51mmNATO	7,62mm
9	Bren L4	7.62x51mmNATO	7,7mm
10	Bren L4	7.62x51mmNATO	7,7mm
11	M60 'Shorty'	7.62x51mmNATO	7,62mm
12	M60E3	7.62x51mmNATO	7,62mm
13	L37	7.62x51mmNATO	7,62mm
14	M240	7.62x51mmNATO	7,62mm
15	Quad PKT	7.62x54mmR	7,62mm
16	Ksp m/58	7.62x51mmNATO	7,62mm
17	Ksp m/58	6.5x55mm	6,5mm
18	M53 Šarac	7.92x57mm	7,92mm
19	RPD	7.62x39mm	7,62mm
20	HK21	7.62x51mmNATO	7,62mm
21	Twin M1919	7.62x63mm.30-06	7,62mm
22	C2A1	7.62x51mmNATO	7,62mm
23	GPMG	7.62x51mmNATO	7,62mm
24	Type 67	7.62x54mmR	7,62mm
25	Type 81	7.62x39mm	7,62mm
26	Type 81	7.62x39mm	7,62mm
27	MG3	7.62x51mmNATO	7,62mm
28	UK vz. 59	7.62x54mmR	7,62mm
29	M1919	7.62x63mm.30-06	7,62mm
30	MG3	7.62x51mmNATO	7,62mm
31	RPK	7.62x39mm	7,62mm
32	PKM	7.62x54mmR	7,62mm
33	AA-52	7.5x54mm	7,5mm
34	I.MG3	7.62x51mmNATO	7,62mm
35	Ksp m/58	6.5x55mm	6,5mm
36	I.MG3	7.62x51mmNATO	7,62mm
37	RPK	7.62x39mm	7,62mm
38	L7A1	7.62x51mmNATO	7,62mm
39	FN MAG	7.62x51mmNATO	7,62mm
40	FALO	7.62x51mmNATO	7,62mm
41	Kg m/37	7.62x63mm.30-06	7,62mm

42	62 Shiki	7.62x51mmNATO	7,62mm
43	62 Shiki	7.62x51mmNATO	7,62mm
44	62 Shiki	7.62x51mmNATO	7,62mm
45	62L Shiki	7.62x51mmNATO	7,62mm
46	Kk 62	7.62x39mm	7,62mm
47	M60	7.62x51mmNATO	7,62mm
48	FALO	7.62x51mmNATO	7,62mm
49	M-72AB	7.62x39mm	7,62mm
50	Ksp m/58B	7.62x51mmNATO	7,62mm
51	MG4	7.62x51mmNATO	7,62mm
52	M134 Minigun[6x Barrel]	7.62x51mmNATO	7,62mm
53	M60	7.62x51mmNATO	7,62mm
54	SS-77	7.62x51mmNATO	7,62mm
55	FN MAG	7.62x51mmNATO	7,62mm
56	M-84	7.62x54mmR	7,62mm
57	RPD	7.62x39mm	7,62mm
58	Type 73 LMG	7.62x54mmR	7,62mm
59	Type 73 LMG	7.62x54mmR	7,62mm
60	M53 Šarac	7.92x57mm	7,92mm
61	M53 Šarac	7.92x57mm	7,92mm
62	M-84	7.62x54mmR	7,62mm
63	Kk 62	7.62x39mm	7,62mm
64	C2A1	7.62x51mmNATO	7,62mm
65	M-72AB	7.62x39mm	7,62mm
66	Bren L4	7.62x51mmNATO	7,7mm
67	M60	7.62x51mmNATO	7,62mm
68	M60 'Shorty'	7.62x51mmNATO	7,62mm
69	M240	7.62x51mmNATO	7,62mm
70	Kk 62	7.62x39mm	7,62mm
71	Valmet M78	7.62x39mm	7,62mm
72	M240	7.62x51mmNATO	7,62mm
73	UK vz. 59	7.62x54mmR	7,62mm
74	PKM	7.62x54mmR	7,62mm
75	LADA RPK	5.45x39mm	7,62mm
76	DT 7,62	7.62x54mmR	7,62mm
77	Twin Ksp m/36	8x63mm	7,62mm
78	M240	7.62x51mmNATO	7,62mm
79	LADA RPK	5.45x39mm	7,62mm
80	Twin M134 Minigun[12x Barrel]	7.62x51mmNATO	7,62mm
81	GShG-7,62[4x Barrel]	7.62x54mmR	7,62mm
82	Twin 7.62mm FN Machine Gun [2x Barrel]	7.62x54mmR	7,62mm
83	Raphael OWS		7,62mm
84	SG-43		7,62mm

85	Type 64 LMG	7,62mm
86	FN MAG	7,62mm
87	M60	7,62mm
88	RPD	7,62mm

Minimi	5,56mm
Minimi	5,56mm
Minimi	5,56mm
Galil ARM	5,56mm
Negev	5,56mm
RPK-74	5,45mm
Mini-SS	5,56mm
M-82A	5,45mm
K3 LMG	5,56mm
LMG 944	5,45mm
RPK-74	5,45mm
L86 LMG	5,56mm
Colt LMG	5,56mm
Stoner 63	5,56mm

射速 (RPM)	射速归档	原版射程
650		875
700-900		875
700-900		875
650		875
650		875
650/850/1000		875
700-900		875
750		875
500		875
500		875
500-600		875
500		875
750		875
650		875
650		875
600-850		875
600-850		875
800		875
650		875
900		770
800-1200 (单管400-600)		875
650		770
750		875
650-700		875
720		770
720		770
1200		875
700-1000		875
400-600		875
1200		875
600		770
650		875
700-900		875
1000		875
		875
		875
		770
		875
		875
650		770
500		770

650	875
650	875
650	875
650	875
1000-1100	770
	1050
	770
600	770
600-850	875
	875
6000	1050
	875
600-900	875
	875
650	875
	875
600-700	770
600-700	770
	875
	875
	875
	770
	770
	770
	875
	875
	875
	875
	770
	770
	875
	875
	875
	1050
	875
	770
	875
	875
	875
	770
	1050
	1050
	2100
	875
	875

875
875
875
875

现实有效射程 (m)	枪口初速 (m/s)	
1000+	825	MMG
800	830	LMG
800	830	SAW
800	853 (2800ft/s)	LMG
1000	825	LMG
800	825	MMG
800	830	MMG
800	838	LMG
550	743.7	SAW
550	743.7	LMG
1100	853	SAW
1100	853	SAW
800	838	MMG
800	853	MMG
1000+	825	MMG
800	830	MMG
800	800	LMG
1000	755	LMG
800	735	SAW
900	800	SAW
1000	853	MMG
650	823	SAW
800	838	MMG
800-1000	840	LMG
600	735	SAW
600	735	SAW
800	820	MMG
1000	760-790	LMG
1000	853	MMG
800	820	LMG
600	745	SAW
1000	825	SAW
800	830	SAW
800	820	SAW
		LMG
650	823	LMG
548	805	LMG

800	850	LMG
800	850	MMG
800	850	SAW
800	850	SAW
600	730	LMG
		MMG
		SAW
600	745	SAW
800	830	SAW
		MMG
1000	869	Gatling Gun
		MMG
800	840	SAW
		SAW
1000	825	SAW
		SAW
600		LMG
600		SAW
		MMG
		SAW
		MMG
		SAW
		SAW
		MMG
		SAW
		MMG
		Gatling Gun
		MMG
		MMG
		MMG

SAW

SAW

LMG

LMG

SAW

(照搬M240B)

由于欧根星平行世界遂将现实中的5.56LADA枪族更改为5.45x39mm子弹（欧根原版错误的将LADA的轻机枪设定为7.62x51mmNATO的版本，欧根错误的将其设定为7.7mm布伦L4为升级为7.62x51mmNATO的版本，欧根错误的将其设定为7.7mm

TGB m/42装甲车搭载的双联Ksp m/36机枪为8x63mm子弹，其升级计划在1966年将其升级为7.62x51NATO，但游

数据录入： xxxvvv.7

国家	原价格	价格
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NATO

ROVER PINKY Info RCU	英国	45	35
LARO C and V Info RCU	荷兰	45	35
LRPV ROVER Info RCU	澳大利亚	45	35
LRPV PERENTIE Info RCU	澳大利亚	50	40
ASLAV-S Info RCU	澳大利亚	55	45
VAB RASIT Info RCU	法国	55	45
YP-408 PW-RDR Info RCU	荷兰	55	45
ILTIS SCOUT Info RCU	加拿大	45	35
M151A2 FAV Info RCU	美国	45	35
EPBV 90 Info RCU	瑞典	55	45

PACT

UAZ-469 PLAMYA Info RCU	苏联	50	40
BRM-1K Info RCU	苏联	50	40
AufkPz BRM-1 Info RCU	民主德国	50	40
BWR-1D Info RCU	波兰	50	40
BPzV SVATAVA Info RCU	捷克斯洛伐克	50	40
OT-65RL Info RCU	捷克斯洛伐克	55	45

注：同一颜色的为同一类型（套皮），其中澳大利亚和捷克斯洛伐克的不一样

原版数量 原版数量 原版数量 原版数量 原版数量

菜鸟

受训

硬汉

老兵

精英

0	4	0	0	0
0	4	0	0	0
0	4	0	0	0
0	4	0	0	0
0	4	0	0	0
0	4	0	0	0
0	4	0	0	0
0	4	3	0	0

0	4	0	0	0
0	4	3	0	0
0	4	3	0	0
0	4	3	0	0
0	4	3	0	0
0	4	3	0	0
0	4	3	0	0

颜色代表武器不同

单位类型	单位Hash值	单位名
侦察车辆	DDD2DDEA4E730000	ROVER PINKY #reco3
侦察车辆	188DAADCADEE3407	LARO C and V #reco3
侦察车辆	B7BAD31CA8711600	LRPV ROVER #reco3
侦察车辆	F9ACDEAA066A9C05	LRPV PERENTIE #reco3
侦察车辆	24B674E062750B00	ASLAV-S #reco3
侦察车辆	1CE44DDDC2310B08	VAB RASIT #reco3
侦察车辆	9CC3855A1214DA08	YP-408 PW-RDR #reco3
侦察车辆	6887BB793C614B03	ILTIS SCOUT #reco3
侦察车辆	E0020D8B60081700	M151A2 FAV #reco3
侦察车辆	81C280DA03000000	EPBV 90 #reco3
侦察车辆	42172DCA5190CB07	UAZ-469 PLAMYA #reco3
侦察车辆	C2C5310000000000	BRM-1K #reco3
侦察车辆	C2C531BF06AFFA02	AufkPz BRM-1 #reco3
侦察车辆	9570710C00000000	BWR-1D #reco3
侦察车辆	BB999B7B07FE3503	BPzV SVATAVA #reco3
侦察车辆	16671C5E06000000	OT-65RL #reco3

数据录入:OO NKVD KMSRoon CDLHX

	武器名	武器Hash值	原版射程	原版穿甲值	原版静止精度(%)
南非	OMC 105	5DF55492435AD308	2275	17	65
韩国	M68A1	B3890A4B725C0000	2275	17	45
日本	L7A3	F46CA2C482580000	2275	17	65
挪威	L7A3	F46CA2C482580000	2275	17	65
加拿大	L7A3	F46CA2C482580000	2275	17	65
南非	L7A3	F46CA2C482580000	2275	17	60
澳大利亚	L7A3	F46CA2C482580000	2275	17	60
瑞典	L/62	C361010000000000	2275	17	65

该变量和价格同时存在时对单位数量					
原版移动精度(%)	原版短装填	原版长装填	原版连发数	单位类型	单位名
60				坦克	ROOIKAT 105
5				坦克	M48A5K WRSA
55	4	12	4	坦克	74 G
50				坦克	LEO 1A5NO2
55	1	6	1	坦克	LEO C2 MEXAS
35				坦克	OLIFANT MK1B
55				主炮坦歼	VICKERS Mk.11
5				坦克	STRV 103D

【有优先决定权】

单位Hash值	备注	新武器名(+坦克名)
E2B3644C08711307		DM63: OMC 105: ROOKAT 105
55C6194B525C0000		DM63: M68A1: M48A5K WRSA
AE594505A2D6F	共享高爆弹	DM63: L7A3: 74 G
4386198B40AB1	共享高爆弹	DM63: L7A3: LEO 1A5N02
CF3534B46A614B03		DM63: L7A3
1A3539D32831DD07		DM63: L7A3: OLIFANT MK1B OPTIMUM
1A67E1B70AA32E08		DM63: L7A3: VICKERS Mk.11
0E1108FB9D770000		DM63: L/62: STRV 103D

射程和统一多3AP溢价2

新武器名	新武器Hash值	原价格	AP溢价	价格	原年代
DM63: OMC 105	BBB00000000000007	50		70	1994
DM63: M68A1	BBB00000000000012	45		65	1995
DM63: L7A3	BBB00000000000018	60		80	1994
DM63: L7A3	BBB00000000000019	70		90	1995
DM63: L7A3	BBB00000000000020	85		105	1994
DM63: L7A3	BBB00000000000022	80		100	1994
DM63: L7A3	BBB00000000000023	45		65	1992
DM63: L/62	BBB00000000000038	90		110	1992

0分

年代	新弾	新穿深(2275)	AP(2625)	HEAT	compared to vanilla
2001		20		18	
2002		20		18	
2001		20		18	
2002		20		18	
2001 DM63(L7)		20		18	
2001		20		18	
2000		20		18	
2000		20		18	
		新穿深(2275)	AP(2625)		

单位Hash 单位名

UnitType	UnitTrain	UnitHp	Turret 1 V Turret 1 Weapon 1
Ship: Escort	EEADE3B\CHAM-SU-RI	50	Sea Vulcan CIWS
Ship: Coastal support	B94933B\STRB 90 H	40	Dual M2 Browning: 200 rds
Ship: Escort	AAD9B23 DONG-HAE	100	Dual Emerlec 30
Ship: Command	6A9CCFA\#command FREMANTLE	80	Dual M2 Browning: 200 rds
Ship: Command	2EACFB3\#command HATSUYUKI	200	RGM-84 HARPOON(x1)
Ship: Coastal support	B94933C MONITOR 105	40	HS.820 HS.820
Ship: Escort	B729D31\KOMAR	40	P-15 TERMIT(Ship)
Ship: Command	343BD31\#command KONGO	250	RGM-84 HARPOON(x4)
Ship: Command	6A9EABBI\#command LA FAYETTE	150	MM-40 EXOCET(x4)
Ship: Command	B3FB9A1\#command NAJIN	180	100 gun 100 gun
Ship: Escort	D364C22I NANUSHKA-III	80	P-120 Malakhit
Ship: Command	E66F4AB\#command OLIVER HAZARD PERRY	175	RGM-84 FSM1 MR block V
Ship: Escort	269E010C MOSKIT	50	P-15 TERMIT(Ship)
Ship: Coastal support	FACBCE7\CHONG-JU	40	ZPTU-2
Ship: Escort	83A157B\BAEK-KU	80	RGM-66D SSM-ARM
Ship: Escort	B88E9BA\PEGASUS	60	RGM-84 HARPOON(x1)
Ship: Escort	EC6CB6B\PO-HANG	120	OTO Melara
Ship: Coastal support	3A9DCF6\SHANTOU	40	Dual Type 61
Ship: Coastal support	B12AB71ISHMEL	50	Dual Type 2M-3M
Ship: Command	FE3CABB\#command SOVREMENNIY	250	Dual AK-1 Dual AK-130-MR
Ship: Escort	D314EBF\TARANTUL-III	60	P-270 MOSKIT(Ship)
Ship: Escort	D384108\HUJIAN	100	YJ-82
Ship: Command	A96E094\#command LUDA	150	Dual Type Dual Type 76-130
Ship: Command	9427114\#command JIANGHU-III	150	YJ-82
Ship: Command	AC7B43C\#command TYPE 21	150	MM-40 EXOCET(x1)
Ship: Escort	B3D976C\SHANGHAI	50	Dual Type 61
Ship: Command	D3E4D3B #command UDALOY II	300	P-270 MOSKIT(Ship)
Ship: Coastal support	745DBB2\MONITOR ZIPPO	40	M10-8

WeaponID	UnitPrice	价格	UnitYear	原版 蔽值
WeaponD	75	1975		0.8
WeaponD	70	1991		1
WeaponD	85	1982		0.7
WeaponD	80	1979		0.7
WeaponD	180	1982		0.1
WeaponD	50	1959		1
WeaponD	40	1960		1.2
WeaponD	420	1991		0.05
WeaponD	200	1992		1.25
WeaponD	120	1972		0.6
WeaponD	120	1979		0.6
WeaponD	210	1980		0.4
WeaponD	60	1971		0.8
WeaponD	80	1976		0.75
WeaponD	75	1970		0.7
WeaponD	100	1976		0.8
WeaponD	125	1985		0.6
WeaponD	30	1960		0.9
WeaponD	50	1970		0.9
WeaponD	500	1980		0.05
WeaponD	145	1987		0.7
WeaponD	110	1991		0.5
WeaponD	150	1976		0.3
WeaponD	160	1986		0.5
WeaponD	100	1974		0.5
WeaponD	30	1973		0.7
WeaponD	500	1991		0.05
WeaponD	30	1959		1

隐蔽值	原版被非凡眼发现游	mod目前被非凡	按射程标准折合 实际距离(km)					
	戏距离(m) 000m)	(视距14 (m)		12	10	8	7	
1	9625	7700	22.4	12	10	8	7	
1	7700	7700	22.4	6	5	4	0	
0.9	11000	8556	25.7	8	7	6	5	
0.9	11000	8556	25.7	6	5	4	0	
0.8	77000	9625	29.9	3	0	2	0	
1	7700	7700	22.4	0	10	8	0	
1.2	6417	6417	17.5	8	7	6	5	
0.8	154000	9625	29.9	0	0	1	0	
1.2	6160	6417	17.5	3	0	2	0	
0.8	12833	9625	29.9	3	0	2	0	
0.8	12833	9625	29.9	5	0	4	0	
0.8	19250	9625	29.9	0	2	0	0	
1	9625	7700	22.4	6	5	4	0	
1	10267	7700	22.4	3	0	2	0	
0.9	11000	8556	25.7	12	10	8	7	
1	9625	7700	22.4	5	0	4	0	
0.8	12833	9625	29.9	5	0	4	0	
1	8556	7700	22.4	12	10	8	7	
1	8556	7700	22.4	6	5	4	0	
0.8	154000	9625	29.9	0	0	1	0	
0.9	11000	8556	25.7	4	0	3	0	
0.9	15400	8556	25.7	4	0	3	0	
0.8	25667	9625	29.9	3	0	2	0	
0.8	15400	9625	29.9	3	0	2	0	
0.8	15400	9625	29.9	5	0	4	0	
1	11000	7700	22.4	12	10	8	7	
0.8	154000	9625	29.9	0	0	1	0	
1	7700	7700	22.4	12	10	8	7	

red==unique scanner

	OpticsLan	OpticsAir	OpticsSea	视野模块	链接	新单位名	原速度	现实最小速度CM	现实最大速度CM	飞机速度
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
6	80	40	80							
3	220	40	80							
4	80	300	80							
3	120	40	120							
1	120	120	220					#command FREMANTLE #reco1		
0	120	40	80					#command HATSUYUKI #reco3		
4	80	40	80							
0	120	300	220							
1	120	160	220							
1	120	80	120							
3	120	40	120							
1	120	160	170							
3	80	40	80							
1	170	40	80							
6	120	160	120							
3	120	40	120							
3	120	40	170							
6	170	40	80							
3	120	40	80							
0	120	120	220							
2	120	40	170							
2	120	40	220							
1	120	120	170							
1	120	120	220							
3	120	120	120							
6	170	120	80							
0	120	300	220							
6	220	40	80							

原燃料 原TOT 原高度 sea rada to air

视野模块归类

Descriptor_Unit_Chamsuri
Descriptor_Unit_Combat_Boat
Descriptor_Unit_Donghae
Descriptor_Unit_Fremantle
Descriptor_Unit_Hatsuyuki
Descriptor_Unit_Howitzer
Descriptor_Unit_Komar
Descriptor_Unit_Kongo
Descriptor_Unit_Lafayette
Descriptor_Unit_Najin
Descriptor_Unit_Nanuchka_III
Descriptor_Unit_Oliver_Hazard_Perry
Descriptor_Unit_Osa
Descriptor_Unit_PC_Chong_ju
Descriptor_Unit_Paek_Ku_52
Descriptor_Unit_Pegasus
Descriptor_Unit_Pohang
Descriptor_Unit_Shantou
Descriptor_Unit_Shmel
Descriptor_Unit_Sovremenny
Descriptor_Unit_Tarantul_III
Descriptor_Unit_Type_037_II
Descriptor_Unit_Type_051_Luda
Descriptor_Unit_Type_053HT_Jianghu_III
Descriptor_Unit_Type_21_Frigate
Descriptor_Unit_Type_62_Shangai
Descriptor_Unit_Udaloy_II
Descriptor_Unit_Zippo

飞机高度

UnitType	UnitHash	UnitName	UnitTrain	UnitHp	Turret 0	V Turret 1	V Turret 1	Weapon	N UnitPrice
Aircraft:	A028CD23	F-16A BLOCK 15		10	M61A1	V AIM-9M		WeaponD	120
Aircraft:	NE6192F0BL	L-39ZA ALBATROS		10	Gsh-23L	V FAB 500		WeaponD	60
Aircraft:	A1D2128C	MiG-29 9.13		10	GSh-301	R-77-1		WeaponD	125
Aircraft:	A1C1AEB9	(MiG-29 9-13S		10	GSh-301	R-73A Vympel		WeaponD	135
Aircraft:	A1C1AEB9	(MiG-29 9-13S		10	GSh-301	R-73A Vympel		WeaponD	150
Aircraft:	N44472D2	AJS 37 VIGGEN		10	BK90	Mjö Rb 74		WeaponD	130
Aircraft:	N8BC315D	Su-22M4		10	Twin NR-	Kh-29L		WeaponD	95

UnitYear	UnitStealth						
1987	1		0	3	0	0	2
1976	1		0	3	0	2	0
1990	1		3	0	0	2	0
1989	1		3	0	0	2	0
1988	1		0	0	2	0	0
1992	1		0	2	0	0	1
1984	1		0	2	0	0	1

OpticsLan	OpticsAir	OpticsSea	UnitSpeed	UnitFuel	UnitTOT	UnitAltitude	UnitDBName	optics module cat
30	452	60	1000	5000	150	2625	Descriptor_Unit_F1	452
30	160	60	600	2000	60	1400	Descriptor_Unit_L3	160
30	452	60	1000	4500	135	2625	Descriptor_Unit_Mid	452
30	452	60	900	4500	135	2625	Descriptor_Unit_Mid	452
30	452	60	900	4500	135	2625	Descriptor_Unit_Mid	452
30	160	60	900	4000	120	1400	Descriptor_Unit_Sat	160
30	160	60	750	4500	135	700	Descriptor_Unit_Sat	160

UnitType	单位Hash	单位名	UnitTrain	UnitHp	Turret 0	V Turret 1	V Turret 1	Weapon 1
Helicopte	16C614C1	AB-204B		4				
	E67DD28	AH-1 COBRA		6				
	6E67DE2	AH-1 COBRA SIDEW		6				
Helicopte	E67DD2C	AH-1E COBRA		6	M197	Vul	M151	Hydra
Helicopte	E67DD20	AH-1F COBRA		6	M197	Vul	M151	Hydra
Helicopte	55C64182	AH-1S		6	M197	Vul	M151	Hydra
Helicopte	55C65182	AH-1J		6	M197	Vul	M151	Hydra
Helicopte	E67DD24	AH-1S COBRA		6	Twin	M13	M151	Hydra
Helicopte	55C67982	AH-1T		6	M197	Vul	M151	Hydra
Helicopte	27DD986	AH-1T SEACOBRA IF		6	M197	Vul	M151	Hydra
Helicopte	CDADD67	AH-1W SUPERCOBR		6	M197	Vul	AGM-122 (2 Mach)	
Helicopte	6A8B9AF	AH-64A APACHE		8	M230		M151	Hydra
Helicopte	F94DA3F	AH-64 ESCORT		8	M230		M151	Hydra
Helicopte	16561CD	AH-64 TD		8	M230		AGM-114A	Hellfire
Helicopte	E9ED326	AH-6C LITTLE BIRD		4	Twin	Mk19		
Helicopte	DA42418	AH-1S		6	M197	Vul	M151	Hydra
Helicopte	6D3E9B9	AS565 PANTHER		6				
Helicopte	D092918	ALOUETTE K-CAR		4	GAI-CO1			
Helicopte	5DA7E6B	ALOUETTE SS-11		4	SS-11			
Helicopte	E66ACE0	ANAFIA		6				
Helicopte	5A374A9	ORYX		8				
Helicopte	2393395E	XTP-1 BETA '90		6	GA-1		SNEB	
Helicopte	56359219	XTP-1 BETA '87		6	GA-1		SNEB	
Helicopte	5C8615C1	BELL 204		4				
Helicopte	5C860D4	BELL 412		6				
Helicopte	8B110C71	BELL 205A		4				
Helicopte	39CC599E	Bo-105 SNEB		4	SNEB			
Helicopte	9DC4680	Bo 105P/BSH		4	FIM-92C	Stinger		
Helicopte	82B4689	Bo 105P/PAH-1		4	HOT 1			
Helicopte	C222488E	Bo 105P/PAH-1A1		4	HOT 2			
Helicopte	B7CACEE	BUSHRANGER		4	Twin	M13	WDU-5002/B	CRV7
Helicopte	8920480	CH-118		4				
Helicopte	0621480	CH-135		6				
Helicopte	D8D2208	CH-147		10				
Helicopte	4721350	HKP 4C		8				
Helicopte	1F4BDFA	CH-46 PHROG		8				
Helicopte	343DBB6	CH-47C CHINOOK		10				
Helicopte	24B6B86	CH-47C CHINOOK		10				
Helicopte	4630DCA	DORNIER 205		4				
Helicopte	B21C0CA	FENNEC 20mm		6	Twin	M621		
Helicopte	034F7BA	FENNEC TOW-2		6	TOW	2 A		

Helicopete 1C34789 GAZELLE 342M HOT	4 HOT 2
Helicopete 8120490 HH-10	4 TOW 2 A
Helicopete A66C46D HN-42M GAMA	4 Malyutka Strela-2M/A
Helicopete 83299BD HN-45M GAMA 2	4 Malyutka Igla-1
Helicopete 66ACFE6 HO-42 GAZELA	4
Helicopete 41E1490 HT-40	8
Helicopete C920901 HT-40 NRZ 128	8 Plamen A
Helicopete 8841725 HT-40 NRZ 57	8 NSVT: 10 S-5M
Helicopete 744AFBA UH-1H	4
Helicopete 0D51C31 HKP 3C	4
A0974C5 THS Mi-8TV	8
Helicopete 15E825D KHS Mi-8TB	8 NSVT: 10 S-5M
Helicopete B87B228 KV-107	8
Helicopete 8CA70C6 Ka-29TB	10
Helicopete 8161560 Ka-50 AKULA	8 2A42 9K121 Vikhr: Ka-50
Helicopete 4CAEE76 LAHATUT MAPATS	4 MAPATS
Helicopete B99E9BA LAHATUT OREV	4 TrueTOW
Helicopete D547F4B LYNX 3	6 AGM-114 FIM-92A Stinger
Helicopete 82B4F4B LYNX AH.1	6
Helicopete 61E609D LYNX AH.1 TOW	6 TrueTOW
Helicopete 88B4F4B LYNX AH.7	6
Helicopete 723020D LYNX AH.7 20mm	6 Twin M621
Helicopete 61E621D LYNX AH.7 TOW 2	6 TOW 2 A
Helicopete 95D3CFB LYNX	6
Helicopete 1C4F7B5 MD 500 I-TOW	4 I-TOW
Helicopete 1516594 MD 500D AGS-17	4 Twin AGS-17
Helicopete 2A8CD25 MD 500D S-5	4 S-5M
Helicopete 338DEB5I MD 500D SUSONG-	4 Susong Po
Helicopete 3CED058 TOW DEFENDER	4 TrueTOW
Helicopete DDA72D4 MH-60L DAP	6 Twin M23 Twin M134 Minigun
E9EC4AC Mi-24	10
Helicopete 4F3ABB1 Mi-24V	10 Yak-B S-5M
Helicopete 28BD9BD Mi-28	8 2A42 S-13OF
Helicopete DE305D0 Mi-2T	4
Helicopete AF2B931 Mi-2 URN ŽMIJA	4 NS-23 S-5M
Helicopete EE1C451 Mi-2 URP-G GNIEW	4 NS-23 Malyutka-P
Helicopete 666C761 Mi-2 URP SALAMAN	4 NS-23 Malyutka-P
Helicopete 1DF70DD Mi-2 URS	4 NS-23 Strela-3
Helicopete DD374C1 Mi-2 US	4 NS-23 Quad PKT: 400 rds
Helicopete 88305D0 Mi-8MTV	8
Helicopete 648308D Mi-17	8
Helicopete 56A621C Mi-17	8
Helicopete 4B314C1 Mi-24A	10

Helicopte 55672DC THS Mi-24A	10
Helicopte 4E314C17 Mi-24D	10
Helicopte 556739C5 THS Mi-24D	10
Helicopte 5A314C17 Mi-24P	10 Gsh-30-2 S-8D
Helicopte 1A580CD Mi-24VP	10 Gsh-30-2 S-8D
Helicopte 61314C17 Mi-24W	10 Yak-B S-5M
Helicopte 15560CD Mi-25	10 Yak-B S-5M
Helicopte C6305D0 Mi-25	10
Helicopte C5D0918I Mi-25 S13D FAE	10 Yak-B S-13D
Helicopte 06315D0 Mi-35	10 Yak-B S-8D
Helicopte CBB2389 DHS Mi-24P	10 Gsh-30-2 R-60M Molniya
Helicopte C574010C Mi-4	6 PKT: 100 S-5M
Helicopte 4B315D0 Mi-4A	6 PKT: 100 S-5M
Helicopte E0524C17 Mi-4AV	6 PKT: 100 S-5M
Helicopte 15564C17 Mi-4	6
Helicopte B90AA33 Mi-4 S-5	6 PKT: 100 S-5M
Helicopte 748DCFE Mi-4T	6
Helicopte 5A325D0 MI-8P	8
Helicopte A0974C17 Mi-8T	8
Helicopte 15E825D Mi-8TV	8
Helicopte 556755A THS MI-8TV	8
Helicopte 5567815E THS Mi-8T	8
Helicopte B30B79C Mi-8T	8 S-5M
Helicopte 5EE525D MI-8T KT	8 Twin Gsh- S-8D
Helicopte 93D424D Mi-8T	8
Helicopte B5DBE2B Mi-8 GUNSHIP	8 NSVT: 10(S-5M
Helicopte 15964C17 Mi-8 5DC77D4 Mi-40	8 4
Helicopte 5D93185 OH-58C/S	4 FIM-92A Stinger
Helicopte DA42859 OH-6D TOW	4 TrueTOW
Helicopte B39AAB1 PETEN	8 M230 AGM-114A Hellfire
Helicopte 4223C9B PUMA HC.1	6
Helicopte 8B52C3E PVHKP 9A	4 I-TOW
Helicopte E6ED118 TrTrsp CH-53G	10
Helicopte A058394 ROOIVALK	8 GA-1 ZT3A2 Ingwe
Helicopte 24B6044S-70	6
Helicopte A6AC6B5 PUMA 330H	6
Helicopte EA6F4697 GAZELLE 342M HOT	4 HOT 1
Helicopte 386E3652 PUMA 330H CASSIC	6 GIAT 30
Helicopte E6ED6A5 PUMA 330H PIRATE	6
Helicopte A6AC6B5 PUMA 330H	6
Helicopte 79AC369 GAZELLE 341F CELT	4 Mistral
Helicopte 529350D SA.342 HOT	4 HOT 1

Helicopte A664AA1 SH-60B SEA HAWK	6 AGM-114A Hellfire
Helicopte A6AC6BB` SUPER PUMA	6
Helicopte 9A414C5 KHS Mi-24P	10 Gsh-30-2 S-8D
Helicopte 1CE42C92TIGRE HAD	8 GIAT 30 SNEB
Helicopte 1CA42D9 TIGRE HAP	8 GIAT 30 SNEB
Helicopte 8CB9AAB TZEFA B	6 M197 Vul M151 Hydra
Helicopte 8FB9AAB TZEFA E	6 M197 Vul M151 Hydra
Helicopte 165608D UH-14	6
Helicopte 55C63182BELL 205	4
Helicopte 92BF9BA UH-1C HEAVY HOG	4 FFAR M75
Helicopte 2C2D358 UH-1C HOG	4 FFAR
Helicopte BEAA4B8 UH-1B	4
Helicopte BEAA4B9 UH-1H HUEY	4
Helicopte D8E2ABB UH-1H HUEY	4
Helicopte 55C64982UH-1H	4
Helicopte 6E8BCF7 CH-118 GUNSHIP	4 Twin M13 WDU-5002/B CRV7
Helicopte BA34BBB UH-1N TWIN HUEY	6
Helicopte 306AC6C UH-60A BLACKHAW	6
Helicopte 0B25085 CH-118 SS-11	4 SS-11
Helicopte DA42618 CH-135 GUNSHIP	6 M151 CRV7
Helicopte DA422D5 UH-60P	6
Helicopte 310DD39 W-3T SOKÓŁ	6
Helicopte 310DD35 W-3W SOKÓŁ	6 GSz-23 S-8D
Helicopte 93D4249 Z-9A HJ-8	6 HJ-8B
Helicopte 93D404C Z-9A TY-90	6 TY-90
Helicopte F42DBBD YAS'UR NIMROD	10
Helicopte 9EF52D5 Z-5A	6 PKT: 100 S-5M
Helicopte 93D4182 Z-5	6
Helicopte 93D4282 Z-9A	6
Helicopte 5E325D3 Mi-8T	8
Helicopte 4E314C57 Mi-24D	10
Helicopte 5E325D3 Mi-8T	8

WeaponID	UnitPrice	价格	UnitYear	年代	UnitStealth
	15		1975		1
	60				1
	40				1
WeaponD	60	65	1975		1
WeaponD	80	80	1981		1
WeaponD	80	80	1985		1
WeaponD	55	55	1976		1
WeaponD	45	50	1973		1
WeaponD	90	90	1988		1
WeaponD	70	70	1978		1
WeaponD	100		1988		1
WeaponD	120	120	1986		1
WeaponD	65	65	1996		1
WeaponD	130		1996		1
WeaponD	30	30	1983		1
WeaponD	80	80	1984		1
	35		1984		1
WeaponD	25	25	1973		1
WeaponD	35		1962		1
	20		1969		1
	25		1987		1
WeaponD	90	90	1990		1
WeaponD	70	70	1987		1
	15		1963		1
	20		1988		1
	15		1969		1
WeaponD	30	40	1980		1
WeaponD	50		1989		1
WeaponD	50		1980		1
WeaponD	60		1986		1
WeaponD	45	40	1969		1
	15		1968		1
	20		1971		1
	25		1974		1
	20		1964		1
	20		1964		1
	25		1967		1
	25		1974		1
	15		1968		1
WeaponD	30	30	1988		1
WeaponD	55		1988		1

WeaponD	55		1991	1
WeaponD	50		1994	1
WeaponD	35		1982	1
WeaponD	45		1992	1
	20		1978	1
	25		1968	1
WeaponD	45	45	1974	1
WeaponD	40	40	1968	1
	15		1965	1
	15		1963	1
	25			1
WeaponD	45	45	1967	1
	20		1964	1
	40		1980	1
WeaponD	150		1987	1
WeaponD	60		1990	1
WeaponD	40		1980	1
WeaponD	100		1984	1
	25		1971	1
WeaponD	45		1976	1
	35		1982	1
WeaponD	30	30	1984	1
WeaponD	75		1982	1
	25		1978	1
WeaponD	50		1977	1
WeaponD	30	30	1985	1
WeaponD	30	40	1986	1
WeaponD	30		1988	1
WeaponD	40		1982	1
WeaponD	65		1992	1
	50			1
WeaponD	100		1989	1
WeaponD	130	130	1988	1
	15		1966	1
WeaponD	30	40	1972	1
WeaponD	45		1982	1
WeaponD	30		1972	1
WeaponD	50		1982	1
WeaponD	20	20	1969	1
	35		1979	1
	35		1984	1
	35		1986	1
	45		1970	1

	45		1971	1
	55		1972	1
	55		1977	1
WeaponD	80	80	1980	1
WeaponD	90	85	1989	1
WeaponD	85	80	1985	1
WeaponD	60	60	1985	1
	55		1978	1
WeaponD	75	75	1995	1
WeaponD	90	110	1985	1990
WeaponD	95		1989	1
WeaponD	40	40	1965	1
WeaponD	40	40	1965	1
WeaponD	40	40	1968	1
	15		1966	1
WeaponD	40	40	1975	1
	15		1964	1
	20		1973	1
	25		1968	1
	30		1977	1
	30		1979	1
	25		1969	1
WeaponD	40	40	1973	1
WeaponD	50	50	1973	1
	25		1979	1
WeaponD	45	45	1980	1
	25		1977	1
	30			1
WeaponD	40		1985	1
WeaponD	40		1976	1
WeaponD	130		1992	1
	20		1971	1
WeaponD	40		1987	1
	20		1971	1
WeaponD	120		1994	1
	25		1987	1
	20		1973	1
WeaponD	40		1977	1
WeaponD	40	40	1982	1
	25		1973	1
	20		1973	1
WeaponD	70		1988	1
WeaponD	40		1980	1

WeaponD	80		1984	1
	25		1987	1
WeaponD	80	80	1987	1
WeaponD	100	100	1991	1.75
WeaponD	100		1991	1.75
WeaponD	55	55	1979	1
WeaponD	70		1995	1
	25		1976	1
	15		1968	1
WeaponD	35	45	1969	1
WeaponD	30	40	1969	1
	15		1963	1
	15		1967	1
	15		1968	1
	15		1968	1
WeaponD	45	40	1975	1
	20		1971	1
	25		1979	1
WeaponD	35		1965	1
WeaponD	30	40	1975	1
	25		1990	1
	25		1986	1
WeaponD	65		1985	1
WeaponD	60		1992	1
WeaponD	90		1992	1
	80		1989	1
WeaponD	40	40	1965	1
	15		1965	1
	25		1992	1
	25		1968	1
	55		1980	1
	25		1968	1

				Optics	Lan	Optics	Air	Optics	Sea	Unit	Speed	Unit	Fuel	Unit	TOT
20	16	12	8	6	60	80	60	60	220						
0	0	0	0	0	60	80	60	60	315						
0	0	0	0	0	60	170	60	60	315						
0	8	6	0	0	60	80	60	60	280						
0	6	4	0	0	60	80	60	60	280						
0	6	4	0	0	60	80	60	60	280						
0	8	6	0	0	60	80	60	60	280						
0	10	7	0	0	60	80	60	60	280						
0	4	3	0	0	60	80	60	60	280						
0	8	6	0	0	60	80	60	60	280						
0	3	2	0	0	60	80	60	60	350						
0	3	2	0	0	80	80	80	80	280						
0	6	4	0	0	80	80	80	80	280						
0	3	2	0	0	80	80	80	80	280						
0	12	8	0	0	60	80	60	60	260						
0	6	4	0	0	60	80	60	60	280						
16	12	8	6	4	60	80	60	60	300						
0	12	8	0	0	60	80	60	60	210						
0	12	8	0	0	60	80	60	60	220						
20	16	12	8	6	60	80	60	60	220						
20	16	12	8	6	60	80	60	60	300						
0	4	3	0	0	80	80	60	60	250						
0	6	4	0	0	80	170	60	60	250						
20	16	12	8	6	60	80	60	60	205						
20	16	12	8	6	60	80	60	60	220						
20	16	12	8	6	60	80	60	60	220						
0	8	6	0	0	60	80	60	60	260						
0	6	4	0	0	60	170	60	60	240	570	575				
0	8	6	0	0	60	80	60	60	240						
0	6	4	0	0	60	80	60	60	240						
0	12	8	0	0	60	80	60	60	220						
20	16	12	8	6	60	80	60	60	220						
20	16	12	8	6	60	80	60	60	220						
20	16	12	8	6	60	80	60	60	300						
20	16	12	8	6	60	80	60	60	270						
20	16	12	8	6	60	80	60	60	270						
20	16	12	8	6	60	80	60	60	300						
20	16	12	8	6	60	80	60	60	300						
20	16	12	8	6	60	80	60	60	220						
0	12	8	0	0	60	80	60	60	290						
0	8	6	0	0	60	80	60	60	290						

0	8	6	0	0	60	80	60	310		
0	8	6	0	0	60	80	60	260		
0	12	8	0	0	60	80	60	310	450	680
0	8	6	0	0	60	80	60	310	450	680
20	16	12	8	6	60	80	60	310		
20	16	12	8	6	60	80	60	250		
0	10	7	0	0	60	80	60	250		
0	10	7	0	0	60	80	60	250		
20	16	12	8	6	60	80	60	220		
20	16	12	8	6	60	80	60	205		
20	16	12	8	6	60	80	60	250		
0	10	7	0	0	60	80	60	250		
20	16	12	8	6	60	80	60	270		
16	12	8	6	4	60	80	60	270		
0	2	0	1	0	80	170	80	330		
0	6	4	0	0	60	80	60	260		
0	10	7	0	0	60	80	60	260		
0	3	2	0	0	80	170	80	330		
20	16	12	8	6	60	80	60	300		
0	8	6	0	0	60	80	60	300		
16	12	8	6	4	60	80	60	320		
0	12	8	0	0	60	80	60	320		
0	6	4	0	0	60	80	60	320		
20	16	12	8	6	60	80	60	300		
0	8	6	0	0	60	80	60	260		
0	12	8	0	0	60	80	60	260		
0	12	8	0	0	60	80	60	260		
0	12	8	0	0	60	80	60	260		
0	10	7	0	0	60	80	60	260		
0	4	3	0	0	80	170	80	300	1000	850
0	0	0	0	0	60	80	60	330		
0	3	2	0	0	60	170	60	330	1200	450
0	3	2	0	0	80	80	80	330		
20	16	12	8	6	60	80	60	200		
0	12	8	0	0	60	80	60	200		
0	8	6	0	0	60	170	60	200		
0	12	8	0	0	60	80	60	200		
0	6	4	0	0	60	170	60	200	600	350
0	12	8	0	0	60	80	60	200		
16	12	8	6	4	60	80	60	250		
16	12	8	6	4	60	80	60	250		
16	12	8	6	4	60	80	60	250		
16	12	8	6	4	60	80	60	330		

16	12	8	6	4	60	80	60	330
16	12	8	6	4	60	80	60	330
16	12	8	6	4	60	80	60	330
0	6	4	0	0	60	80	60	330
0	6	4	0	0	60	80	60	330
0	6	4	0	0	60	80	60	330
0	8	6	0	0	60	80	60	330
16	12	8	6	4	60	80	60	330
0	6	4	0	0	60	80	60	330
0	6	4	0	0	60	80	60	330
0	4	3	0	0	60	170	60	330
0	12	8	0	0	60	80	60	180
0	12	8	0	0	60	80	60	180
0	10	7	0	0	60	80	60	180
20	16	12	8	6	60	80	60	180
0	12	8	0	0	60	80	60	180
20	16	12	8	6	60	80	60	180
20	16	12	8	6	60	80	60	250
20	16	12	8	6	60	80	60	250
20	16	12	8	6	60	80	60	250
20	16	12	8	6	60	80	60	250
20	16	12	8	6	60	80	60	250
0	10	7	0	0	60	80	60	250
0	8	6	0	0	60	80	60	250
20	16	12	8	6	60	80	60	250
0	10	7	0	0	60	80	60	250
20	16	12	8	6	60	80	60	250
20	16	12	8	6	60	80	60	300
0	6	4	0	0	60	170	60	220
0	10	7	0	0	60	80	60	260
0	3	2	0	0	80	80	80	280
20	16	12	8	6	60	80	60	250
0	8	6	0	0	60	80	60	240
16	12	8	6	4	60	80	60	320
0	3	2	0	0	80	170	80	300
20	16	12	8	6	60	80	60	300
20	16	12	8	6	60	80	60	250
0	10	7	0	0	60	80	60	310
0	8	6	0	0	60	80	60	250
16	12	8	6	4	60	80	60	250
20	16	12	8	6	60	80	60	250
0	4	3	0	0	60	170	60	310
0	10	7	0	0	60	80	60	310

250 480

450 680

0	4	3	0	0	80	80	80	300
20	16	12	8	6	170	80	190	300
0	6	4	0	0	60	80	60	330
0	3	2	0	0	80	80	80	280
0	3	2	0	0	80	170	80	280
0	8	6	0	0	60	80	60	280
0	4	3	0	0	60	170	60	280
20	16	12	8	6	60	80	60	300
20	16	12	8	6	60	80	60	220
0	10	7	0	0	60	80	60	220
0	12	8	0	0	60	80	60	220
20	16	12	8	6	60	80	60	205
20	16	12	8	6	60	80	60	220
20	16	12	8	6	60	80	60	220
20	16	12	8	6	60	80	60	220
0	12	8	0	0	60	80	60	220
20	16	12	8	6	60	80	60	220
20	16	12	8	6	60	80	60	300
0	12	8	0	0	60	80	60	220
0	12	8	0	0	60	80	60	220
20	16	12	8	6	60	80	60	300
20	16	12	8	6	80	80	80	260
0	4	3	0	0	80	170	80	260
0	8	6	0	0	60	80	60	300
0	4	3	0	0	60	170	60	300
12	8	6	4	3	60	80	60	320
0	12	8	0	0	60	80	60	180
20	16	12	8	6	60	80	60	180
20	16	12	8	6	60	80	60	300
20	16	12	8	6	60	80	60	250
16	12	8	6	4	60	80	60	330
20	16	12	8	6	60	80	60	250

UnitAltitu	UnitDBNa	基础数量(基础数量(基础数量(基础数量(老兵)	基础数量(精英)	单位类型
Descriptor_Unit_AB204B_NL				
Descriptor_Unit_AH1_Cobra				
Descriptor_Unit_AH1_Cobra_Sidewinder				
Descriptor_Unit_AH1E_Cobra				攻击直升机
Descriptor_Unit_AH1F_Cobra				攻击直升机
Descriptor_Unit_AH1F_ROK				攻击直升机
Descriptor_Unit_AH1J_ROK				攻击直升机
Descriptor_Unit_AH1S_Cobra				攻击直升机
Descriptor_Unit_AH1T_ROK				攻击直升机
Descriptor_Unit_AH1T_Sea_Cobra_IP				攻击直升机
Descriptor_Unit_AH1W_Super_Cobra				
Descriptor_Unit_AH64_Apache				攻击直升机
Descriptor_Unit_AH64_Escort_NL				攻击直升机
Descriptor_Unit_AH64_NL				
Descriptor_Unit_AH6C_Little_Bird_US				攻击直升机
Descriptor_Unit_AH_1F_JAP				攻击直升机
Descriptor_Unit_AS565_Panther_FR				
Descriptor_Unit_Alouette_III_KCar_SA				攻击直升机
Descriptor_Unit_Alouette_SS11_NL				
Descriptor_Unit_Anafa				
Descriptor_Unit_Atlas_Oryx_SA				
Descriptor_Unit_Atlas_XTP1_Beta_90_SA				攻击直升机
Descriptor_Unit_Atlas_XTP1_Beta_SA				攻击直升机
Descriptor_Unit_Bell204_NOR				
Descriptor_Unit_Bell412_NOR				
Descriptor_Unit_Bell_205A				
Descriptor_Unit_Bo105CB_Rkt_NL				攻击直升机
Descriptor_Unit_Bo_105P_BHS				
Descriptor_Unit_Bo_105P_PAH_1				
Descriptor_Unit_Bo_105P_PAH_1A1				
Descriptor_Unit_Bushranger_ANZ				攻击直升机
Descriptor_Unit_CH118				
Descriptor_Unit_CH135				
Descriptor_Unit_CH147_CAN				
Descriptor_Unit_CH46				
Descriptor_Unit_CH46_Phrog_US				
Descriptor_Unit_CH47_Chinook				
Descriptor_Unit_CH47_Chinook_ANZ				
Descriptor_Unit_Dornier_205				
Descriptor_Unit_Fennec_20mm				攻击直升机
Descriptor_Unit_Fennec_Tow2				

Descriptor_Unit_Gazelle_HOT_2_FR	
Descriptor_Unit_HH10	
Descriptor_Unit_HN42M_Gama	
Descriptor_Unit_HN45M_Gama_2	
Descriptor_Unit_HO42_Gazela	
Descriptor_Unit_HT40	
Descriptor_Unit_HT40_NRZ_128	攻击直升机
Descriptor_Unit_HT40_NRZ_57	攻击直升机
Descriptor_Unit_HU_1H_Hiyodori_JAP	
Descriptor_Unit_Hkp_3C	
Descriptor_Unit_KHS_MI_8TV	
Descriptor_Unit_KHS_MI_8TVK	攻击直升机
Descriptor_Unit_KV_107_JAP	
Descriptor_Unit_Ka_29TB	
Descriptor_Unit_Ka_50	
Descriptor_Unit_Lahatut_ITOW	
Descriptor_Unit_Lahatut_TOW	
Descriptor_Unit_Lynx3_UK	
Descriptor_Unit_Lynx_AH1	
Descriptor_Unit_Lynx_AH1_TOW	
Descriptor_Unit_Lynx_AH7	
Descriptor_Unit_Lynx_AH7_20mm	攻击直升机
Descriptor_Unit_Lynx_AH7_TOW	
Descriptor_Unit_Lynx_DK	
Descriptor_Unit_MD_500_I_Tow_ROK	
Descriptor_Unit_MD_500_LG_NK	攻击直升机
Descriptor_Unit_MD_500_Rocket_NK	攻击直升机
Descriptor_Unit_MD_500_SusongPo_NK	
Descriptor_Unit_MD_500_Tow	
Descriptor_Unit_MH60_DAP_US	
Descriptor_Unit_MI24_Hind	
Descriptor_Unit_MI24V_Hind_E	
Descriptor_Unit_MI28A_Havoc	攻击直升机
Descriptor_Unit_MI2T	
Descriptor_Unit_MI2URN_Zmija	攻击直升机
Descriptor_Unit_MI2URPG_Gniewosz	
Descriptor_Unit_MI2URP_Salamandra	
Descriptor_Unit_MI2URS	
Descriptor_Unit_MI2US	攻击直升机
Descriptor_Unit_MI_17	
Descriptor_Unit_MI_17_CZ	
Descriptor_Unit_MI_17_POL	
Descriptor_Unit_MI_24A	

Descriptor_Unit_MI_24A_LSK	
Descriptor_Unit_MI_24D	
Descriptor_Unit_MI_24D_LSK	
Descriptor_Unit_MI_24P	攻击直升机
Descriptor_Unit_MI_24VP	攻击直升机
Descriptor_Unit_MI_24W	攻击直升机
Descriptor_Unit_MI_24_NK	攻击直升机
Descriptor_Unit_MI_25	
Descriptor_Unit_MI_25_CZ_S24	攻击直升机
Descriptor_Unit_MI_35	攻击直升机
Descriptor_Unit_MI_35P_RDA_AA	
Descriptor_Unit_MI_4	攻击直升机
Descriptor_Unit_MI_4A	攻击直升机
Descriptor_Unit_MI_4AV	攻击直升机
Descriptor_Unit_MI_4_NK	
Descriptor_Unit_MI_4_Rocket_NK	攻击直升机
Descriptor_Unit_MI_4_Transport	
Descriptor_Unit_MI_8P	
Descriptor_Unit_MI_8TV	
Descriptor_Unit_MI_8TVK	
Descriptor_Unit_MI_8TVK_LSK	
Descriptor_Unit_MI_8TV_LSK	
Descriptor_Unit_MI_8T_Fin	攻击直升机
Descriptor_Unit_MI_8T_KT	攻击直升机
Descriptor_Unit_MI_8_CHI	
Descriptor_Unit_MI_8_Gunship_NK	攻击直升机
Descriptor_Unit_MI_8_NK	
Descriptor_Unit_Mi40_URSS	
Descriptor_Unit_OH58_CS	
Descriptor_Unit_OH6D_TOW_JAP	
Descriptor_Unit_Peten	
Descriptor_Unit_Pum_HC1	
Descriptor_Unit_Pvhkp_9A	
Descriptor_Unit_RFA_CH53_Trans	
Descriptor_Unit_Rooivalk_SA	
Descriptor_Unit_S70_ANZ	
Descriptor_Unit_SA_330H_Puma	
Descriptor_Unit_SA_341M_Gazelle	
Descriptor_Unit_SA_330H_Puma_Cassiopee	攻击直升机
Descriptor_Unit_SA_330H_Puma_Pirate	
Descriptor_Unit_SA_330H_Puma_SA	
Descriptor_Unit_SA_341F_Gazelle_Celtic	
Descriptor_Unit_SA_342_HJ8_CHI	

Descriptor_Unit_SH_60B_Sea_Hawk	
Descriptor_Unit_SuperPuma	
Descriptor_Unit_THS_MI_35P	攻击直升机
Descriptor_Unit_Tigre_HAD_FR	攻击直升机
Descriptor_Unit_Tigre_HAP_FR	
Descriptor_Unit_Tzefa_B	攻击直升机
Descriptor_Unit_Tzefa_E	
Descriptor_Unit_UH14_NL	
Descriptor_Unit_UH1B_ROK	
Descriptor_Unit_UH1C_Heavy_Hog	攻击直升机
Descriptor_Unit_UH1C_Hog	攻击直升机
Descriptor_Unit_UH1D_Huey	
Descriptor_Unit_UH1H_Huey	
Descriptor_Unit_UH1H_Huey_ANZ	
Descriptor_Unit_UH1H_ROK	
Descriptor_Unit_UH1M_Gunship	攻击直升机
Descriptor_Unit_UH1N_Twin_Huey	
Descriptor_Unit_UH60A_Black_Hawk	
Descriptor_Unit_UH_1B_SS_11_JAP	
Descriptor_Unit_UH_1N_JAP	攻击直升机
Descriptor_Unit_UH_60JA_JAP	
Descriptor_Unit_W3T_Sokol	
Descriptor_Unit_W3W_Sokol	
Descriptor_Unit_WZ_9_HJ8_CHI	
Descriptor_Unit_WZ_9_TY90_CHI	
Descriptor_Unit_Yasur_Nimrod	
Descriptor_Unit_Z5_Assault_CHI	攻击直升机
Descriptor_Unit_Z5_CHI	
Descriptor_Unit_Z9_CHI	
Descriptor_Unit_cz_MI_8T	
Descriptor_Unit_pol_MI_24D	
Descriptor_Unit_pol_MI_8T	

UnitType	单位Hash	单位名	UnitTrain	UnitHp	Turret 0	V	Turret 1	V	Turret 1	Weapon 1
	D702690	Deprec! COMMANDOS PARA '85 #1		5						
Recon:	V€D820581	AMX-13 FL-12 #reco1		10						
Recon:	V€0D1708E	AMX-10 RC #reco1		10						
Recon:	V€814208E2	AMX-13/90 #reco1		10						
Recon:	SpDDD2911	NZSAS #reco2	Elite	10						
Recon:	In78AED36	NORFORCE #reco2	Regular	5						
Recon:	V€24B6180	ASLAV-25 #reco1		10						
Recon:	V€24B674E	ASLAV-S #reco3		10						
Recon:	In'D334D3A	CAVALRY SCOUTS #reco2	Regular	5						
Recon:	V€B7C9EA7	COUGAR RECON #reco1		10						
Recon:	V€C2C531B	AufkPz BRM-1 #reco3		10						
Recon:	V€E4F2FD5C	AufklFz UAZ #reco2		5						
Recon:	V€A05691C	AufklFz UAZ KPV #reco1		5						
Recon:	V€865AFBF	BJ212 ZC #reco2		5						
Recon:	V€A2A05D0	BMP-1KT #reco1		10						
Recon:	V€14E509D	BMP-1 TJJ #reco1		10						
Recon:	V€26FCAB7	BPzV SNĚŽKA #reco1		10						
Recon:	V€C2E5700	BRDM-1 #reco1		10						
Recon:	V€C3E5700	BRDM-2 #reco1		10						
Recon:	V€AC3E0E9	BRDM-2 #reco1		10						
Recon:	V€5DC77DC	BRDM-3 #reco1		10						
Recon:	V€15265C0E	BRDM-1 #reco1		10						
Recon:	V€15365C0E	BRDM-2 #reco1		10						
Recon:	V€C2C5310C	BRM-1K #reco3		10						
Recon:	V€9570710C	BWR-1D #reco3		10						
Recon:	V€4B50701E	BTR-40A #reco1		10						
Recon:	V€8C161C9C	SPW-60PB(ABS) #reco2		10						
Recon:	V€15B6040E	BTR 40A #reco1		10						
Recon:	In'F8ECEA74	BEDOUINS #reco2	Regular	5						
Recon:	V€BB999B7	BPzV SVATAVA #reco3		10						
Recon:	In'B37AB3B	BGS #reco2	Militia	5						
	6B9B9B9	/ Deprec! PATHFINDERS '85 #reco2		5						
Recon:	V€6A4EFB7	COYOTE #reco2		10						
Recon:	V€6887BB7	ILTIS SCOUT #reco3		5						
Recon:	In'78AED36	RECCE #reco2	Shock	2						
Recon:	In'F8ADB2B	LIÈ RÉN #reco2	Shock	10						
Recon:	V€81C280D	EPBV 90 #reco3		10						
Recon:	In'F8ADABB	ZWIADOWCY #reco2	Shock	10						
Recon:	V€9024556	ELAND 90 ENTAC #reco1		10						
Recon:	V€A3356A8C	ELAND 90 #reco1		10						
Recon:	V€C31010F	EPBV 3022 #reco1		10						
Recon:	SpAF79E32E	ERIKOISRAJAJÄÄKÄRI #re	Elite	10						

Recon: In: B789E3B\ HUSSARDS '85 #reco2	Regular	5
Recon: V\ F54DA39\ FV101 SCORPION #reco1		10
Recon: V\ AEECA21\ FV107 SCIMITAR #reco1		10
Recon: V\ 24B6CC6\ SONDERWAGEN III #reco1		10
Recon: V\ EA7DAB9\ FV701 FERRET #reco1		10
Recon: V\ EA7DABD FV712 FERRET #reco2		10
Recon: V\ 3D0D090\ FV721 FOX #reco1		10
Recon: In: B87C9B3\ FALLSKÄRMSJÄGARE #re Shock		10
Recon: Sp B7DA9A3 FERNSPÄHER #reco2	Elite	2
Recon: V\ 027CE5E\ FERRET Mk.1 #reco1		10
Recon: V\ CB005FB\ FERRET Mk.2 #reco1		10
Recon: V\ 55C61DC\ FIAT 6616 #reco2		10
Recon: Sp E64FCB3\ FORMOZA #reco2	Elite	10
Recon: V\ 8B72904\ GAZ-69A #reco2		5
Recon: In: 268EEBA\ SPEJDERNE #reco2	Regular	5
Recon: In: EE6DA2E\ GRANIČARI #reco2	Regular	5
Recon: In: 2A8C9AD\ GREEN JACKET #reco2	Shock	10
Recon: In: B7FACFE\ GRENZER #reco2	Militia	5
Recon: V\ DD054A0 HVMS #reco1		10
Recon: In: 787A9B3\ HUSSARDS #reco2	Regular	5
Recon: In: 1636ABB\ HUZAREN #reco2	Regular	5
Recon: V\ D312241\ IBV M-80A1 #reco3		10
2A3B9B5\ Deprec! JSDF RANGERS '90 #reco2		5
Recon: In: F8ADB2B\ JSDF RANGERS #reco2	Shock	10
Recon: Sp B7CAAA2\ JÆGERE #reco2	Elite	10
Recon: Sp 8172ABA\ JÆGERE '90 #reco2	Elite	10
Recon: Sp 16E63515KCT #reco2	Elite	10
Recon: V\ 86E1915\ SpPz T-55 #reco1		10
Recon: Sp 2EDFA2F\ KAMPFSCHWIMMER #re Elite		2
Recon: In: FA42A7B\ SPEZIALAUFKLÄRER #rec Shock		10
Recon: V\ DA420D9 MITSUBISHI M2 #reco2		5
Recon: V\ B94EA39\ LAV-25 SCOUT #reco1		10
Recon: V\ F9ACDEA\ LRPV PERENTIE #reco3		10
Recon: V\ B7BAD31\ LRPV ROVER #reco3		5
Recon: V\ C222A4B\ PzAufk LEOPARD 1A1 #reco1		10
Recon: V\ 2A27A4B\ LEOPARD VERKENNING #reco2		10
Recon: V\ DF1249C\ M1025 HUMVEE M134 #reco1		10
Recon: V\ 8A005F92\ M1025 HUMVEE Mk.19 #reco1		10
Recon: V\ 0BC85DC\ M113A1 MRV #reco1		10
Recon: V\ FDEC5B5\ M113 C R #reco1		10
Recon: V\ 16660C6\ M113 C V 25mm #reco1		10
Recon: V\ 16063684\ M113 C V #reco1		10
Recon: V\ C35208C\ M114A2 #reco1		10
Recon: V\ 9EF75DC\ M151A2 MUTT #reco2		5

Recon: V€3A8D76C OPKLARINGS M/151 #reco2	5	
Recon: V€E0020D8F M151A2 FAV #reco3	5	
Recon: V€8D2604C M201 #reco2	5	
Recon: V€317DE7A M325 PATROL #reco2	5	
Recon: V€6A9C9A3 M3A1 BRADLEY CFV #reco2	10	
Recon: V€6A9C9A3 M3A2 BRADLEY CFV #reco2	10	
Recon: V€BE1AA7E M3 BRADLEY CFV #reco2	10	
Recon: V€4271010 M41A1 #reco1	10	
Recon: V€9523141 M41 DK1 #reco1	10	
Recon: V€A97BAB6 M551 ACAV #reco1	10	
Recon: V€9DE7098 M551A1 (TTS) #reco2	10	
Recon: V€D852241 M-84AN #reco2	10	
Recon: V€B36EB6A M-8 GREJHAUND #reco1	10	
Recon: V€55C62517 M8 PANSERBIL #reco1	10	
Recon: Sp B319B3E MAGLAN #reco2	Elite	5
Recon: Sp 2AABBEE MARINEJEGER #reco2	Elite	2
Recon: V€E6EBC23 MÖNKIJÄ #reco2	3	
Recon: V€83A2085 M1992 #reco2	10	
Recon: Sp 78AED36 JEONGCHALDAE #reco2	Elite	2
Recon: V€87205C1 NM116 #reco2	10	
Recon: V€C6E1650 OT-65 #reco1	10	
Recon: V€E69DFAE OT-65A VYDRA #reco1	10	
Recon: V€16671C5E OT-65RL #reco3	10	
Recon: In ECECDE6 OPPKLARING #reco2	Regular	5
Recon: V€FB3F0D01 PAST IZVIDJAČ #reco2	10	
Recon: V€CC81781 PT-76B #reco1	10	
Recon: V€55DB39C PT-76B DshK #reco1	10	
Recon: V€B30B310 PT-76B Tiedpsv #reco1	10	
Recon: V€02E2690C PT-71 #reco2	10	
Recon: V€#NULL! PT-76 #reco1	10	
Recon: V€46E2690C PT-85 #reco2	10	
Recon: V€81625D0 AML 90 #reco1	10	
Recon: In B329CB7 COMMANDOS PARA #rec Shock	10	
Recon: In 10B931D PARA PATHFINDERS #rec Shock	10	
Recon: Sp B79ACEE PATHFINDERS #reco2	Elite	10
Recon: V€DE722D1 RAM AT #reco1	10	
Recon: V€57E35D0 RAM TCM #reco2	10	
Recon: V€192708C K111 #reco2	5	
Recon: V€FOAA2FB ILTIS Aufk. #reco2	5	
Recon: Sp 2A03A36 TEUKJEONSA #reco2	Elite	10
Recon: V€8102424E KAFV 90 #reco1	10	
Recon: In 78AED36 SUSAEK-DAE #reco2	Regular	5
Recon: In F8ADB2B RANGERS #reco2	Shock	10
Recon: In 269CAA RAZVEDKA #reco2	Regular	5

Recon: V€ 0F435256 ROOKAT 76 #reco2		10
Recon: V€ 24B6DCE/ ROVER #reco2		5
Recon: V€ 188DAAD LARO C V #reco3		5
Recon: V€ 24B6DCE/ ROVER #reco2		5
Recon: V€ 4477AB3! ROVER REKV #reco2		5
Recon: V€ DDD2DDE ROVER PINKY #reco3		5
Recon: Sp 5836821! SASF SNIPER #reco2	Elite	2
Recon: Sp 1DD3010! SBS #reco2	Elite	10
Recon: V€ CC81781! SchwPz PT-76B #reco1		10
Recon: V€ 4B50845/ SPW-40A #reco1		10
Recon: V€ 831614A1 SPW-40P2 #reco1		10
Recon: V€ 8B1614A1 SPW-40PA #reco1		10
Recon: In: B94EA31! PRŮZKUMNÍCI #reco2	Shock	10
Recon: Sp 2A3CAB1! SENKE #reco2	Elite	2
Recon: In: 2E8EBB1! SISSI #reco2	Shock	10
Recon: V€ C282B7A! SpPz LUCHS #reco1		10
Recon: V€ C382B7A! SpPz LUCHS A1 #reco2		10
Recon: Sp 8A3BC7A! SPECIÁLNÍ JEDNOTKY '90	Elite	10
Recon: V€ 2CBDDF6! SPEJDERVOGN M/95 #reco2		10
Recon: Sp 5CF49B3! SPETSNAZ GRU #reco2	Elite	10
Recon: Sp 17F89B3! SPETSNAZ VMF #reco2	Elite	2
Recon: V€ FFAD578! SPz 11-2 KURZ #reco1		10
Recon: V€ 86E1010! T-55 #reco1		10
Recon: V€ 6FEAEFF T-55A IZVIDJAČ #reco1		10
Recon: V€ 15B6188! T-55 #reco1		10
Recon: V€ 3B5ECFB4 T-55M Pionpsv #reco2		10
Recon: V€ BF1933C! TIRAN-5 BLAZER #reco1		10
Recon: In: 1CB388D! TRACKERS #reco2	Regular	5
Recon: V€ 93D41C8! ZZYC-56 #reco1		10
Recon: V€ 93D444C! ZTQ-62G #reco2		10
Recon: V€ 93D40C8! ZTQ-62 #reco1		10
Recon: V€ 93D44CC! ZTQ-62-I #reco1		10
Recon: V€ F04C1C6! TYPE 63 #reco1		10
Recon: V€ DA42218! HACHI-NANA SHIKI #reco1		10
Recon: V€ CA5190C! UAZ-469 #reco2		5
Recon: V€ C6BF2FC! UAZ-469A vz.59 #reco2		5
Recon: V€ 42172DC! UAZ-469 PLAMYA #reco3		5
Recon: V€ A056294! UAZ-469 KPV #reco1		5
Recon: V€ 15A61C0! UAZ 469 #reco2		5
D4ACAA7 Deprec! GREEN JACKET '85 #reco2		5
Recon: Sp D6F274D! NAVY SEALS #reco2	Elite	10
Recon: V€ B21C0C8! V-150 20mm #reco1		10
Recon: V€ 1CE44DD! VAB RASIT #reco3		10
Recon: V€ 1C64312! VBL #reco2		10

Recon: V€ B179E7B€ VBL MISTRAL #reco2	10
Recon: V€ B909A7B€ VILDKAT #reco1	10
Recon: V€ 4540101€ L3304 #reco2	5
Recon: Sp 887E9B7€ SPECIÁLNÍ JEDNOTKY #reco Elite	10
Recon: V€ 1656048€ YP-104 #reco1	10
Recon: V€ 1616364€ YP-408 C V #reco1	10
Recon: V€ 9CC3855€ YP-408 PW-RDR #reco3	10
Recon: V€ AC3E9ABIM-1107 #reco2	5
Recon: V€ 86E1FD2€ T-55 #reco1	10
Recon: V€ C3E5704€ BRDM-2 #reco1	10
Recon: V€ CA5190C€ UAZ-469A ZWIAD. #reco2	5
Recon: V€ 86E1E1F8T-55 #reco1	10
Recon: H€ DD4709D AH-1J COBRA #reco1	6
Recon: H€ 273BD39€ AH-64D LONGBOW #reco3	8
Recon: H€ DD302C4€ AS.350 #reco2	6
Recon: H€ DD302C4€ AS.350 #reco2	6
Recon: H€ 6A9EAB3€ ALOUETTE III #reco2	4
Recon: H€ D3A4E6B€ ALOUETTE II #reco2	4
Recon: H€ 6A9EAB3€ ALOUETTE III #reco2	4
Recon: H€ DEB7912€ XH-1 ALPHA #reco1	4
Recon: H€ 24B61CC€ BELL 206 #reco2	4
Recon: H€ 16C6344€ Bo-105CB #reco2	4
Recon: H€ 372D318€ Bo 105M/VBH #reco2	4
Recon: H€ 0721480€ CH-136 #reco2	4
Recon: H€ 82B4A87€ GAZELLE AH.1 #reco3	4
Recon: H€ 5827488€ GAZELLE AH.1 SNEB #reco3	4
Recon: H€ E6AD4A4€ HI-42 HERA #reco2	4
Recon: H€ 8379AB9€ HI-45 HERA 2 #reco1	4
Recon: H€ CB51C31€ HKP 6A #reco2	4
Recon: H€ B7CACE2€ JET RANGER #reco3	4
Recon: H€ 5DC77D8€ Ka-52 #reco3	8
Recon: H€ 571018CE CAYUSE #reco2	4
Recon: H€ 1516048€ MD 500D #reco3	4
Recon: H€ B94EA35€ SCOUT DEFENDER #reco1	4
Recon: H€ C374010€ Mi-2 #reco2	4
Recon: H€ 34374C17 Mi-2Ro #reco3	4
Recon: H€ 55670DD€ AHS Mi-2 #reco2	4
Recon: H€ 15364C17 Mi-2 #reco2	4
Recon: H€ 5DC77D7€ MI-24K #reco3	10
Recon: H€ CA74010€ Mi-8R #reco3	8
Recon: H€ 93D408€ Mi-1 #reco2	4
Recon: H€ E63BBB9€ OH-1 NINJA #reco3	6
Recon: H€ 264FBB5€ OH-58C KIOWA #reco2	4

Recon: H _e E629D38[OH-58D KIOWA #reco3	4
Recon: H _e F76D862[OH-58D KIOWA Wr. #reco3	4
Recon: H _e DA42398[OH-6D #reco1	4
Recon: H _e 55C61D5[OH-6 #reco2	4
Recon: H _e D2A7DEA PAH-2 TIGER #reco3	8
Recon: H _e EA6F469[GAZELLE 341F CANON #reco1	4
Recon: H _e B3B9FA6[SAYFAN #reco2	4
Recon: H _e B3299BB[W-3U SALAMANDRA #reco2	6
Recon: H _e C374FD2[Mi-2 #reco2	4
Recon: H _e CA7499E[AHS Mi-8R #reco3	8

Weapon	UnitPrice	Year	Stealth
	20		2.5
	30	1960	1.5
	40	1980	1.5
	25	1966	1.5
	25	1975	2.5
	15	1975	2.5
	25	1989	1.5
	45	1992	1.5
	15	1985	2.5
	20	1976	1.5
	40	1983	1.5
	25	1972	1.5
	10	1972	1.5
	25	1965	1.5
	35	1990	1.5
	35	1984	1.5
	30	1990	1.5
	10	1962	1.5
	15	1966	1.5
	15	1968	1.5
	35	1993	1.5
	10	1966	1.5
	15	1975	1.5
	40	1973	1.5
	40	1987	1.5
	15	1976	1.5
	35	1968	1.5
	15	1956	1.5
	15	1975	2.5
	40	1988	1.5
	10	1975	2
	25		2.5
	45	1995	1.5
	35	1985	1.5
	25	1980	3
	20	1983	2.5
	45	1993	1.5
	20	1975	2.5
	25	1978	1.5
	20	1978	1.5
	20	1968	1.5
	35	1995	2.5

15	1985	2.5
20	1972	1.5
15	1972	1.5
20	1966	1.5
10	1965	1.5
45	1970	1.5
20	1973	1.5
20	1975	2.5
25	1975	3
10	1954	1.5
10	1956	1.5
45	1988	1.5
35	1986	2.5
25	1960	1.5
15	1975	2.5
15	1975	2.5
20	1975	2.5
10	1975	2
30	1987	1.5
15	1975	2.5
15	1975	2.5
60	1990	1.5
20		2.5
20	1975	2.5
30	1975	2.5
35	1990	2.5
30	1975	2.5
25	1980	1.5
25	1980	3
20	1975	2.5
25	1954	1.5
25	1984	1.5
40	1989	1.5
35	1965	1.5
30	1980	1.5
65	1985	1.5
15	1984	1.5
15	1984	1.5
20	1978	1.5
10	1968	1.5
25	1978	1.5
10	1966	1.5
20	1969	1.5
25	1964	1.5

25	1967	1.5
35	1982	1.5
25	1975	1.5
30	1970	1.5
60	1985	1.5
80	1988	1.5
45	1981	1.5
10	1951	1.5
25	1985	1.5
30	1965	1.5
45	1989	1.5
135	1991	1.5
15	1948	1.5
15	1951	1.5
35	1986	2.5
25	1975	3
30	1986	2.5
45	1992	1.5
25	1975	3
35	1975	1.5
10	1966	1.5
15	1969	1.5
45	1970	1.5
15	1975	2.5
50	1980	1.5
15	1966	1.5
15	1960	1.5
15	1963	1.5
35	1971	1.5
15	1966	1.5
40	1973	1.5
20	1961	1.5
20	1975	2.5
30	1983	2.5
25	1975	2.5
20	1979	1.5
45	1980	1.5
25	1975	1.5
25	1978	1.5
30	1975	2.5
30	1995	1.5
15	1975	2.5
20	1975	2.5
15	1975	2.5

50	1989	1.5
25	1965	1.5
35	1974	1.5
25	1965	1.5
25	1967	1.5
35	1971	1.5
30	1995	3
30	1975	2.5
15	1964	1.5
15	1964	1.5
15	1966	1.5
10	1964	1.5
20	1975	2.5
30	1995	3
20	1975	2.5
25	1976	1.5
40	1986	1.5
30	1990	2.5
30	1995	1.5
30	1985	2.5
25	1987	3
15	1958	1.5
25	1980	1.5
25	1966	1.5
25	1980	1.5
95	1989	1.5
30	1973	1.5
15	1975	2.5
15	1956	1.5
90	1995	1.5
20	1963	1.5
25	1980	1.5
25	1975	1.5
30	1987	1.5
25	1972	1.5
25	1972	1.5
40	1972	1.5
10	1972	1.5
25	1972	1.5
20		2.5
35	1975	2.5
25	1964	1.5
45	1987	1.5
30	1990	1.5

55	1995	1.5
25	1992	1.5
25	1964	1.5
25	1975	2.5
25	1963	1.5
25	1967	1.5
45	1977	1.5
30	1974	1.5
25	1980	1.5
15	1966	1.5
25	1972	1.5
25	1980	1.5
55	1971	1
150	1995	1
55	1984	1
55	1984	1
40	1961	1
35	1966	1
40	1961	1
30	1985	1
50	1971	1
45	1980	1
45	1976	1
50	1970	1
65	1971	1
75	1982	1
50	1978	1
30	1989	1
40	1968	1
60	1985	1
130	1995	1.5
45	1977	1
65	1986	1
30	1983	1
40	1966	1
60	1974	1
40	1972	1
40	1978	1
110	1983	1
75	1977	1
35	1965	1
90	1995	1.75
50	1974	1

70	1983	1
95	1985	1
30	1969	1
45	1976	1
140	1991	1.75
30	1972	1
40	1970	1
80	1995	1
40	1982	1
75	1984	1

					Optics	Lan	Optics	Air	Optics	Sea	Unit	Speed
0	0	6	4	0	170	40	170	40	170	40	170	37.5
0	12	8	0	0	120	40	120	40	120	40	120	60
0	12	8	0	0	120	40	120	40	120	40	120	85
0	12	8	0	0	120	40	120	40	120	40	120	60
0	0	0	4	3	170	40	170	40	170	40	170	45
0	8	6	0	0	170	40	170	40	170	40	170	30
0	12	8	0	0	120	40	120	40	120	40	120	100
0	6	4	0	0	220	40	220	40	220	40	220	100
0	8	6	0	0	170	40	170	40	170	40	170	30
0	12	8	0	0	120	40	120	40	120	40	120	100
0	6	4	0	0	220	40	220	40	220	40	220	60
0	6	0	0	0	170	40	170	40	170	40	170	70
0	12	8	0	0	120	40	120	40	120	40	120	70
0	6	0	0	0	170	40	170	40	170	40	170	70
0	12	8	0	0	120	40	120	40	120	40	120	60
0	12	8	0	0	120	40	120	40	120	40	120	60
0	12	8	0	0	120	40	120	40	120	40	120	65
0	12	0	0	0	120	40	120	40	120	40	120	80
0	12	0	0	0	120	40	120	40	120	40	120	100
0	12	8	0	0	120	40	120	40	120	40	120	100
0	12	8	0	0	120	40	120	40	120	40	120	80
0	12	0	0	0	120	40	120	40	120	40	120	80
0	12	0	0	0	120	40	120	40	120	40	120	100
0	6	4	0	0	220	40	220	40	220	40	220	60
0	6	4	0	0	220	40	220	40	220	40	220	60
0	12	8	0	0	120	80	120	80	120	80	120	80
0	6	4	0	0	170	40	170	40	170	40	170	80
0	12	8	0	0	120	80	120	80	120	80	120	80
0	8	6	0	0	170	40	170	40	170	40	170	30
0	6	4	0	0	220	40	220	40	220	40	220	65
12	8	0	0	0	170	40	170	40	170	40	170	22.5
0	0	6	4	0	170	40	170	40	170	40	170	45
0	6	4	0	0	170	40	170	40	170	40	170	100
0	6	4	0	0	220	40	220	40	220	40	220	110
0	0	0	4	3	170	40	170	40	170	40	170	37.5
0	0	6	4	0	170	40	170	40	170	40	170	37.5
0	6	4	0	0	220	40	220	40	220	40	220	65
0	0	6	4	0	170	40	170	40	170	40	170	37.5
0	12	8	0	0	120	40	120	40	120	40	120	95
0	12	8	0	0	120	40	120	40	120	40	120	95
0	12	8	0	0	120	40	120	40	120	40	120	65
0	0	0	4	3	170	80	170	80	170	80	170	45

0	8	6	0	0	170	40	170	30
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	70
0	12	0	0	0	120	40	120	95
0	6	4	0	0	170	40	170	95
0	12	8	0	0	120	40	120	100
0	0	6	4	0	170	40	170	37.5
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	95
0	12	0	0	0	120	40	120	95
0	6	4	0	0	170	40	170	100
0	0	0	4	3	170	40	170	45
0	6	0	0	0	170	40	170	90
0	8	6	0	0	170	40	170	30
0	8	6	0	0	170	40	170	30
0	0	6	4	0	170	40	170	37.5
12	8	0	0	0	170	40	170	22.5
0	12	8	0	0	120	40	120	60
0	8	6	0	0	170	40	170	30
0	8	6	0	0	170	40	170	30
0	4	3	0	0	220	40	220	65
0	0	6	4	0	170	40	170	37.5
0	0	6	4	0	170	40	170	37.5
0	0	0	4	3	170	40	170	45
0	0	0	4	3	170	40	170	45
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	50
0	0	0	4	3	170	40	170	45
0	0	6	4	0	170	40	170	37.5
0	6	0	0	0	170	40	170	55
0	12	8	0	0	120	40	120	100
0	6	4	0	0	220	40	220	95
0	6	4	0	0	220	40	220	80
0	12	8	0	0	120	40	120	65
0	6	4	0	0	170	40	170	65
0	12	8	0	0	120	40	120	90
0	12	8	0	0	120	40	120	90
0	12	8	0	0	120	40	120	60
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	60
0	6	0	0	0	170	40	170	80

0	6	0	0	0	170	40	170	70
0	6	4	0	0	220	40	220	70
0	6	0	0	0	170	40	170	55
0	6	0	0	0	170	40	170	100
0	6	4	0	0	170	40	170	65
0	4	3	0	0	170	40	170	65
0	6	4	0	0	170	40	170	65
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	70
0	6	4	0	0	170	40	170	70
0	4	3	0	0	170	40	170	75
0	12	8	0	0	120	40	120	95
0	12	8	0	0	120	40	120	95
0	0	0	4	3	170	40	170	45
0	0	0	4	3	170	40	170	45
0	6	0	0	0	170	40	170	80
0	6	4	0	0	170	40	170	60
0	0	0	4	3	170	40	170	45
0	6	4	0	0	170	40	170	55
0	12	0	0	0	120	40	120	90
0	12	0	0	0	120	40	120	80
0	6	4	0	0	220	40	220	90
0	8	6	0	0	170	40	170	30
0	6	4	0	0	170	40	170	70
0	12	8	0	0	120	40	120	45
0	12	8	0	0	120	40	120	45
0	6	4	0	0	170	40	170	50
0	12	8	0	0	120	40	120	45
0	12	8	0	0	120	40	120	45
0	6	4	0	0	170	40	170	50
0	6	4	0	0	170	40	170	50
0	12	8	0	0	120	40	120	95
0	0	6	4	0	170	40	170	37.5
0	0	6	4	0	170	40	170	37.5
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	95
0	6	4	0	0	170	40	170	95
0	6	0	0	0	170	40	170	55
0	6	0	0	0	170	40	170	110
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	70
0	8	6	0	0	170	40	170	30
0	0	6	4	0	170	40	170	37.5
0	8	6	0	0	170	40	170	30

0	6	4	0	0	170	40	120	120
0	6	0	0	0	170	40	170	95
0	6	4	0	0	220	40	220	95
0	6	0	0	0	170	40	170	95
0	6	0	0	0	170	40	170	95
0	6	4	0	0	220	40	220	80
0	0	0	4	3	170	40	170	45
0	0	0	4	3	170	80	170	45
0	12	8	0	0	120	40	120	45
0	12	8	0	0	120	80	120	80
0	12	8	0	0	120	40	120	100
0	12	0	0	0	120	40	120	80
0	0	6	4	0	170	40	170	37.5
0	0	0	4	3	170	40	170	45
0	0	6	4	0	170	40	170	37.5
0	12	8	0	0	120	40	120	85
0	6	4	0	0	170	40	170	85
0	0	0	4	3	170	40	170	45
0	6	4	0	0	170	40	170	110
0	0	0	4	3	170	80	170	45
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	50
0	12	8	0	0	120	40	120	50
0	12	8	0	0	120	40	120	50
0	12	8	0	0	120	40	120	50
0	4	3	0	0	170	40	170	50
0	12	8	0	0	120	40	120	60
0	8	6	0	0	170	40	170	30
0	12	0	0	0	120	80	120	80
0	4	3	0	0	170	40	170	60
0	12	8	0	0	120	40	120	60
0	12	8	0	0	120	40	120	60
0	12	8	0	0	120	40	120	70
0	12	8	0	0	120	40	120	100
0	6	0	0	0	170	40	170	70
0	6	0	0	0	170	40	170	70
0	6	4	0	0	220	40	220	70
0	12	8	0	0	120	40	120	70
0	6	0	0	0	170	40	170	70
0	0	6	4	0	170	40	170	30
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	80
0	6	4	0	0	220	40	220	90
0	6	4	0	0	170	40	170	95

0	6	4	0	0	170	40	170	95
0	12	8	0	0	120	40	120	65
0	6	0	0	0	170	40	170	95
0	0	0	4	3	170	40	170	45
0	12	8	0	0	120	40	120	100
0	12	8	0	0	120	40	120	80
0	6	4	0	0	220	40	220	80
0	6	0	0	0	170	40	170	120
0	12	8	0	0	120	40	120	50
0	12	0	0	0	120	40	120	100
0	6	0	0	0	170	40	170	70
0	12	8	0	0	120	40	120	50
0	8	6	0	0	120	120	120	280
0	2	0	1	0	220	170	220	280
0	6	0	0	0	170	170	170	290
0	6	0	0	0	170	170	170	290
0	6	0	0	0	170	170	170	210
0	6	0	0	0	170	170	170	185
0	6	0	0	0	170	170	170	210
0	8	6	0	0	120	120	120	220
0	6	0	0	0	170	170	170	220
0	6	0	0	0	170	170	170	240
0	6	0	0	0	170	170	170	240
0	6	0	0	0	170	170	170	220
0	4	0	0	0	220	170	220	310
0	4	0	0	0	220	170	220	310
0	6	4	0	0	170	170	170	310
0	8	6	0	0	120	120	120	310
0	6	0	0	0	170	170	170	220
0	4	0	0	0	220	170	220	220
0	3	2	0	0	220	170	220	310
0	6	0	0	0	170	170	170	260
0	4	0	0	0	220	170	220	260
0	8	6	0	0	120	120	120	260
0	6	0	0	0	170	170	170	200
0	4	0	0	0	220	170	220	200
0	6	0	0	0	170	170	170	200
0	3	2	0	0	220	170	220	330
0	4	0	0	0	220	170	220	250
0	6	0	0	0	170	170	170	180
0	3	2	0	0	220	170	220	280
0	6	0	0	0	170	170	170	220

0	4	0	0	0	220	170	220	240
0	4	3	0	0	220	170	220	240
0	8	6	0	0	120	120	120	260
0	6	0	0	0	170	170	170	260
0	3	2	0	0	220	170	220	290
0	8	6	0	0	120	120	120	310
0	6	0	0	0	170	170	170	220
0	6	4	0	0	170	170	170	260
0	6	0	0	0	170	170	170	200
0	4	0	0	0	220	170	220	250

	UnitFuel	UnitTOT	UnitAltitu	UnitDBNa	基础数量(受训)	基础数量(硬汉)	基础数量(老兵)
					Descriptor_Unit_2eme REP_FAMAS		
					Descriptor_Unit_AMX13_FL12_NL		
					Descriptor_Unit_AMX_10_RC		
					Descriptor_Unit_AMX_13_90		
Descripto	0	0				0	8
Descripto	0	16				12	0
					Descriptor_Unit_ASLEV25_ANZ		
					Descriptor_Unit_ASLEV_S_ANZ		
Descripto	0	16				12	0
					Descriptor_Unit_AVGP_Cougar_Reco		
					Descriptor_Unit_AufklPz_BRM1		
					Descriptor_Unit_AufklFz_UAZ		
					Descriptor_Unit_AufklFz_UAZ_KPV		
					Descriptor_Unit_BJ212_type56_CHI		
					Descriptor_Unit_BMP1X		
					Descriptor_Unit_BMP1_TJJ		
					Descriptor_Unit_BPzV_Snezka		
					Descriptor_Unit_BRDM1		
					Descriptor_Unit_BRDM2		
					Descriptor_Unit_BRDM2_Yug		
					Descriptor_Unit_BRDM3_URSS		
					Descriptor_Unit_BRDM_1_NK		
					Descriptor_Unit_BRDM_2_NK		
					Descriptor_Unit_BRM1		
					Descriptor_Unit_BRM1K		
					Descriptor_Unit_BTR40A		
					Descriptor_Unit_BTR60PB		
					Descriptor_Unit_BTR_40A_NK		
Descripto	0	16				12	0
					Descriptor_Unit_BpzV_Svatava		
Descripto	24	16				0	0
					Descriptor_Unit_CAN_85_Pathfinders		
					Descriptor_Unit_CAN_Coyote		
					Descriptor_Unit_CAN_Iltis_Scout		
Descripto	0	0				0	8
Descripto	0	0				12	8
					Descriptor_Unit_EPVB_90		
Descripto	0	0				12	8
					Descriptor_Unit_Eland_90_ENTAC_SA		
					Descriptor_Unit_Eland_90_SA		
					Descriptor_Unit_Epbv_3022		
Descripto	0	0				0	8

Descripto	0	16	12	0
Descriptor_Unit_FV101_Scorpion				
Descriptor_Unit_FV107_Scimitar				
Descriptor_Unit_FV601_Saladin_ANZ				
Descriptor_Unit_FV701_Ferret_Mk2				
Descriptor_Unit_FV712_Ferret_UK				
Descriptor_Unit_FV721_Fox				
Descripto	0	0	12	8
Descripto	0	0	0	8
Descriptor_Unit_Ferret_Mk1				
Descriptor_Unit_Ferret_Mk2_ANZ				
Descriptor_Unit_Fiat_6616_ROK				
Descripto	0	0	0	8
Descriptor_Unit_GAZ_69A				
Descripto	0	16	12	0
Descripto	0	16	12	0
Descripto	0	0	12	8
Descripto	24	16	0	0
Descriptor_Unit_HVMS				
Descripto	0	16	12	0
Descripto	0	16	12	0
Descriptor_Unit_IBV_M80AI				
Descriptor_Unit_JAP_90_Rangers				
Descripto	0	0	12	8
Descripto	0	0	0	8
Descripto	0	0	0	8
Descripto	0	0	0	8
Descriptor_Unit_KPZ_T55				
Descripto	0	0	0	8
Descripto	0	0	12	8
Descriptor_Unit_Kyu_M2_JAP				
Descriptor_Unit_LAV_25_Scout				
Descriptor_Unit_LRPV_Perentie_ANZ				
Descriptor_Unit_LRPV_Rover_ANZ				
Descriptor_Unit_Leopard_1_A1				
Descriptor_Unit_Leopard1_Reco_NL				
Descriptor_Unit_M1025_Humvee_GAU				
Descriptor_Unit_M1025_Humvee_Mk19				
Descriptor_Unit_M113A1_MRVT_ANZ				
Descriptor_Unit_M113_CR_Lynx				
Descriptor_Unit_M113_CV_25_NL				
Descriptor_Unit_M113_CV_NL				
Descriptor_Unit_M114A2				
Descriptor_Unit_M151A1_MUTT				

Descriptor_Unit_M151A1_Scout				
Descriptor_Unit_M151A2_FA				
Descriptor_Unit_M201_PC				
Descriptor_Unit_M325_Patrol				
Descriptor_Unit_M3A1_Bradley_CFV				
Descriptor_Unit_M3A3_Bradley_US				
Descriptor_Unit_M3_Bradley				
Descriptor_Unit_M41				
Descriptor_Unit_M41_DK				
Descriptor_Unit_M551_Sheridan				
Descriptor_Unit_M551_TTS				
Descriptor_Unit_M84AN				
Descriptor_Unit_M8_Grejhaund				
Descriptor_Unit_M8_ROK				
Descripto 0 0 0 8				
Descripto 0 0 0 8				
Descriptor_Unit_Monkija				
Descriptor_Unit_NK_M1992				
Descripto 0 0 0 8				
Descriptor_Unit_NM_116				
Descriptor_Unit_OT65				
Descriptor_Unit_OT65A_Vydra				
Descriptor_Unit_OT65RL				
Descripto 0 16 12 0				
Descriptor_Unit_PAST_30_2_Izvidjac				
Descriptor_Unit_PT76B				
Descriptor_Unit_PT76B_DShK				
Descriptor_Unit_PT76B_Fin				
Descriptor_Unit_PT_71				
Descriptor_Unit_PT_76_NK				
Descriptor_Unit_PT_85				
Descriptor_Unit_Panhard_AML_90				
Descripto 0 0 12 8				
Descripto 0 0 12 8				
Descripto 0 0 0 8				
Descriptor_Unit_RAM_AT				
Descriptor_Unit_RAM_TCM				
Descriptor_Unit_REC_KM111_ROK				
Descriptor_Unit_RFA_Iltis_Aufk				
Descripto 0 0 0 8				
Descriptor_Unit_ROK_KAFV_90				
Descripto 0 16 12 0				
Descripto 0 0 12 8				
Descripto 0 16 12 0				

Descriptor_Unit_Rooikat_CMD_SA				
Descriptor_Unit_Rover_ANZ				
Descriptor_Unit_Rover_Reco_NL				
Descriptor_Unit_Rover_Recon_SA				
Descriptor_Unit_Rover_S3				
Descriptor_Unit_Rover_SAS				
Descripto 0 0 0 0 8				
Descripto 0 0 0 0 8				
Descriptor_Unit_SPPZ_PT76B				
Descriptor_Unit_SPW_40A				
Descriptor_Unit_SPW_40P2				
Descriptor_Unit_SPW_40PA				
Descripto 0 0 12 8				
Descripto 0 0 0 8				
Descripto 0 0 12 8				
Descriptor_Unit_SpPz_Luchs_A1				
Descriptor_Unit_SpPz_Luchs_A2				
Descripto 0 0 0 8				
Descriptor_Unit_Spejdervogn				
Descripto 0 0 0 8				
Descripto 0 0 0 8				
Descriptor_Unit_Spz_11_2_Kurz				
Descriptor_Unit_T55				
Descriptor_Unit_T55A_Izvidjac				
Descriptor_Unit_T55A_NK				
Descriptor_Unit_T55_Pionpsv				
Descriptor_Unit_Tiran5_Blazer				
Descripto 0 16 12 0				
Descriptor_Unit_Type_56_CHI				
Descriptor_Unit_Type_62G_CHI				
Descriptor_Unit_Type_62_CHI				
Descriptor_Unit_Type_62_I_CHI				
Descriptor_Unit_Type_63_nk				
Descriptor_Unit_Type_87_JAP				
Descriptor_Unit_UAZ_469				
Descriptor_Unit_UAZ_469A_vz59				
Descriptor_Unit_UAZ_469_AGS17				
Descriptor_Unit_UAZ_469_KPV				
Descriptor_Unit_UAZ_469_NK				
Descriptor_Unit_UK_85_Green_Jacket				
Descripto 0 0 0 8				
Descriptor_Unit_V150_20mm				
Descriptor_Unit_VAB_RASIT_FR				
Descriptor_Unit_VBL_FR				

Descriptor_Unit_VBL_Mistral_FR				
Descriptor_Unit_Vildkat				
Descriptor_Unit_Volvo_L3304				
Descriptor_0	0	0	0	8
Descriptor_Unit_YP104_NL				
Descriptor_Unit_YP408_CW_NL				
Descriptor_Unit_YP408_PW_RDR_NL				
Descriptor_Unit_Zastava				
Descriptor_Unit_cz_T55				
Descriptor_Unit_pol_BRDM2				
Descriptor_Unit_pol_UAZ_469				
Descriptor_Unit_urss_T55				
Descriptor_Unit_AH1J_US				
Descriptor_Unit_AH64D_Longbow				
Descriptor_Unit_AS350B_A22_Squirrel_ANZ				
Descriptor_Unit_AS350_NOR				
Descriptor_Unit_Alouette_III				
Descriptor_Unit_Alouette_III_Fin				
Descriptor_Unit_Alouette_III_SA				
Descriptor_Unit_Alouette_XH1_Alpha_SA				
Descriptor_Unit_Bell_206_ANZ				
Descriptor_Unit_Bo105CB_NL				
Descriptor_Unit_Bo_105CB_Hornisse				
Descriptor_Unit_CH136				
Descriptor_Unit_Gazelle_AH1				
Descriptor_Unit_Gazelle_AH1_SNED				
Descriptor_Unit_HI42_Hera				
Descriptor_Unit_HI45_Hera_2				
Descriptor_Unit_Hkp_6A				
Descriptor_Unit_JetRanger				
Descriptor_Unit_Ka_52_URSS				
Descriptor_Unit_MD_500M				
Descriptor_Unit_MD_500_NK				
Descriptor_Unit_MD_500_Scout				
Descriptor_Unit_MI2				
Descriptor_Unit_MI2Ro				
Descriptor_Unit_MI2_LSK				
Descriptor_Unit_MI2_NK				
Descriptor_Unit_MI_24k_URSS				
Descriptor_Unit_MI_9				
Descriptor_Unit_Mi1_CHI				
Descriptor_Unit_OH1_Ninja				
Descriptor_Unit_OH58C_Kiowa				

Descriptor_Unit_OH58D_Combat_Scout
Descriptor_Unit_OH58D_Kiowa_Warrior
Descriptor_Unit_OH6D_JAP
Descriptor_Unit_OH6_ROK
Descriptor_Unit_RFA_Tigre_UHT
Descriptor_Unit_SA_341F_Gazelle
Descriptor_Unit_Sayfan
Descriptor_Unit_W3U_Salamandra
Descriptor_Unit_cz_MI2
Descriptor_Unit_rda_MI_9

基础数量(精英)

6
0

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UnitType	单位Hash	单位名	UnitTrain	UnitHp	Turret 0	V Turret 1	V Turret 1	Weapon 1
MBT: 90\$ 831FC76E	CHALLENGER 2			10	L26A1: L3	L37:	100 rds	
MBT: 90\$ 55C6098E	K1A1			10	M829A1: M2	Browning:	100 rds	
MBT: 90\$ 1C84DE6F	LECLERC			10	OFL 120 C	M2 Browning:	100 rds	
MBT: 90\$ 16662C03	LEOPARD 2A5 NL			10	DM33A1: MAG 7,62:	100 rds		
MBT: 90\$ C632A4B7	LEOPARD 2A5			10	DM33A1: MG3:	100 rds		
MBT: 90\$ 4D975121	LOGGIM			10	KE-WA1: MG4:	100 rds		
MBT: 90\$ E67D2E81	M1A1(HC) ABRAMS			10	M829A1: M2	Browning:	100 rds	
MBT: 90\$ B86CDDE1	M1A2 ABRAMS			10	M829A1: M2	Browning:	100 rds	
MBT: 90\$ 37DDBAE	M-91A VIHOR			10	3BM42M NSV:	100 rds		
MBT: 90\$ D33499B1	MERKAVA IIIB			10	KE-W:	M2 Browning:	100 rds	
MBT: 90\$ BFC998B1	MERKAVA IID BAZ			10	KE-WA1: M2	Browning:	100 rds	
MBT: 90\$ 7E7A9BB1	PT-91 TWARDY			10	3BM42M NSVT:	100 rds		
MBT: 90\$ C220EC77	STRV 121			10	Slpprj m/!Ksp m/58:	250 rds		
MBT: 90\$ 84935D01	T-72M1MOD			10	3BM48: 2	NSVT:	100 rds	
MBT: 90\$ E67CAB21	T-72M2 MODERNA			10	3BM46: 2	2A42	2A42	
MBT: 90\$ 5DC77DD	T-80UM			10	3BM46: 2	NSVT:	100 rds	
MBT: 90\$ 15D60581	T-90S			10	3BM46: 2	NSVT:	100 rds	
MBT: 90\$ 5DC77D8	T-72BU			10	3BM46: 2	NSVT:	100 rds	
MBT: 90\$ CD344D41	ZTZ-85-III			10	DTW-125 T54:	100 rds		
MBT: 90\$ B2EE5781	KYU-MARU SHIKI			10	JM33A1: M2	Browning:	100 rds	

WeaponID	UnitPrice	UnitYear	UnitStealth
WeaponD	190	1995	1
WeaponD	170	1996	1
WeaponD	185	1993	1
WeaponD	190	1993	1
WeaponD	190	1992	1
WeaponD	175	1999	1
WeaponD	185	1992	1
WeaponD	200	1992	1
WeaponD	190	1993	1
WeaponD	180	1992	1
WeaponD	200	2000	1
WeaponD	175	1992	1
WeaponD	180	1994	1
WeaponD	185	1994	1
WeaponD	185	1995	1
WeaponD	190	1993	1
WeaponD	190	1995	1
WeaponD	195	1993	1
WeaponD	175	1995	1
WeaponD	190	1992	1

				Optics	Lan	Optics	Air	Optics	Sea	Unit	Speed	Unit	Fuel	Unit	TOT
0	2	0	1	0	80	20	80	80	20	80	60				
0	3	2	0	0	80	20	80	80	20	80	70				
0	2	0	1	0	80	20	80	80	20	80	75				
0	2	0	1	0	80	20	80	80	20	80	70				
0	2	0	1	0	80	20	80	80	20	80	70				
0	3	2	0	0	80	20	80	80	20	80	70				
0	2	0	1	0	80	20	80	80	20	80	65				
0	2	0	1	0	80	20	80	80	20	80	70				
0	2	0	1	0	80	20	80	80	20	80	80				
0	2	0	1	0	80	20	80	80	20	80	60				
0	2	0	1	0	80	20	80	80	20	80	60				
0	3	2	0	0	80	20	80	80	20	80	60				
0	2	0	1	0	80	20	80	80	20	80	70				
0	2	0	1	0	80	20	80	80	20	80	70				
0	2	0	1	0	80	20	80	80	20	80	80				
0	2	0	1	0	80	20	80	80	20	80	65				
0	2	0	1	0	80	20	80	80	20	80	65				
0	3	2	0	0	80	20	80	80	20	80	60				
0	2	0	1	0	80	20	80	80	20	80	70				

UnitAltitu UnitDBNa 视野模块归类

武器名	武器Hash值	单位名	单位Hash值	备注
S-5M	4607000000000000	F-5B	15C60C1400000	朝鲜
SNEB(Air)	BBD0000000000003	MiG-21F-13	84000903EB5E0	芬兰
SNEB(Air)	BBD0000000000003	HARRIER GR.3	0417DDAA7BDF	英国
Mk.24 Zuni	EEAC9303015F0000	F-86F SABRE	55C6414702010	韩国
Mk.24 Zuni	EEAC9303015F0000	A-4M SKYHAWK	306FB63EDC5D	(美国)
ARS-57	88D1710B00000000	AVIA S-105	462074A6BB2F0	捷克
T57-2	0362780000000000	F-6C	B3E9CF6ADB31	(朝鲜)
Sprangraket m/56	7577181700000000	J 35F DRAKEN	904150B7739A6	瑞典
Sprangraket m/56	7577181700000000	J 35FS	1D64101400000	芬兰

模型	原面板挂载	新挂载武器名	新挂载武器Hash值
70mmX19X2	55mmX16	M151 Hydra: M261	BBD0000000000000001
70mmX19X2	68mmX36	M151 Hydra: M261	BBD0000000000000001
70mmX19X4	68mmX36	M151 Hydra: M261	BBD0000000000000001
70mmX19X2	127mmX16	M151 Hydra: M261	BBD0000000000000001
70mmX19X2	127mmX16	M151 Hydra: M261	BBD0000000000000001
130mmX4X4	57mmX16	S-13D(Air)	BBD00000000000004
130mmX4X4	57mmX16	S-13D(Air)	BBD00000000000004
75mmX7X4	75mmX10+135mmX12	Jaktraket m/57	304ADFE602000000
75mmX7X2	135mmX12	Jaktraket m/57	304ADFE602000000

武器名	武器Hash值	武器Hash值即唯一条件	备注
130-1	012178C606000000	Y	1 instance
ARS-57	88D1710B00000000	Y	1 instance, 空对空
BR-1-57	8821700C00000000	Y	1 instance, 地面发射, 凝
FFAR	C4250200000000000	Y	1 instance, 直升机发射
FFAR	01921CDF62710000	Y	1 instance, 直升机发射
FFAR: BOV RAKETAŠ	BBD00000000000007	Y	1 instance, 地面发射
FFAR Air: L-11D SEJBR	BBD00000000000005	Y	1 instance, 空对空
FFAR Ground: L-11D SEJBR	BBD00000000000006		1 instance, 空对地
HVAR	DC024A000000000000	Y	1 instance
Jaktraket m/57	304ADFE602000000	Y	1 instance, 空对空
M151 CRV7	08C8350000000000	Y	1 instance, 直升机发射
M151 CRV7(Air)	BBD00000000000002	Y	1 instance
M151 Hydra	C2315CC9B1580000	Y	1 instance, 直升机发射
M151 Hydra: M261	BBD00000000000001	Y	1 instance
M229 Hydra: M261	BBD00000000000000	Y	1 instance
Mk.24 Zuni	EEAC9303015F0000	Y	1 instance
S-13	1621300000000000	Y	1 instance, 直升机发射
S-13D	C5D00100000000000	Y	1 instance, 直升机发射
S-13D(Air)	BBD00000000000004	Y	1 instance
S-5M	887108E007000000	Y	1 instance, 直升机发射
S-5M(Air)	883110E007000000	Y	1 instance, by 5 unit
S-8OFP(->S-8D)	4907000000000000	Y	1 instance, 直升机发射
SNEB	C9C13C5807000000	Y	5 instances, 直升机发射
SNEB(Air)	BBD00000000000003	Y	1 instance
T57-2	0362780000000000	Y	1 instance, 空对空
WDU-5002/B CRV7	DE82805C03000000	Y	1 instance, 1 depre ins

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现实装药	HE	HE半径	压制	压制半径	KE
3.9	6	130	298	259	
0.33	3	57	131	114	
1.33	4	91	208	181	
1.33	4	91	208	181	
1.33	4	91	208	181	
1.33	4	91	208	181	
1.33	4	91	208	181	
3.4	6	124	285	248	
1.14	4	86	198	172	
1.33	4	91	208	181	
1.33	4	91	208	181	
1.33	4	91	208	181	
1.33	4	91	208	181	
2.93	5	118	271	236	
6.5	7	154	353	307	
7	7	157	362	315	
35	8	322	740	644	
35	8	322	740	644	
0.285	2	54	125	108	
0.285	2	54	125	108	
6	5	179	411	358	
1.3	4	90	207	180	
1.3	4	90	207	180	
stance					8

取值见常用Hash表 取值为小，中，大，特大

口径

火

新武器名

<https://military.v> 3.4kg TNT

warthunder, M/57B, 1.14kg, m55, 0.786kg

S-13OF

122mm FAE

中

122mm FAE

中

<http://www.airw> 0.285kg

S-8D

80mm FAE

小

5

对地射程(km)	对空射程(km)	对直升机射程(km)	连发数	齐射数
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	24	4
	7	1

	38	19
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	16	1
	8	1

数据录入: OO

原口径	序号	原射程	原散布	武器名	弹名
175	1	49700	5460	M113A1	ERFB:
175	2			M113A1	SMK:
203	3	42000	3640	2A44	
203	4			2A44	SMK:
170	5	42000	3640	M1978	
170	6			M1978	
155	7	41300	3640	L47	
155	8	41300	3640	L47	
155	9	41300	3640	CN98	
155	10			CN98	
155	11	39900	2730	G-6	
155	12			G-6	
203	13	37450	4550	2A44	
203	14	37450	4550	2A44	SMK:
203	15	37450	4550	2A44	
175	16	35000	7280	M113A1	
175	17	35000	7280	M113A1	SMK:
155	18	35000	6370	155K70 How	
155	19			155K70 How	
155	20	35000	5460	Soltam 155mm/52 How	
155	21			Soltam 155mm/52 How	
155	22	33950	3640	155mm/52	
155	23			155mm/52	
152	24	32200	3640	ShKH-77	
152	25			ShKH-77	
	26			ShKH-77	
152	27	30100	4550	2A36	
152	28			2A36	
152	29	29050	4550	2A64	
152	30	29050	4550	2A64	
	31			2A64	HEAT:
130	32	27300	4550	M-46	ERFB-BB:
130	33			M-46	
203	34	24850	3640	M201A1	
203	35	24850	3640	M201A1	
203	36	24850	3640	M201A1	
203	37	24850	3640	M201A1	
203	38	24850	3640	M201A1	
155	39	24500	7280	m/60	
155	40			m/60	SMK:
155	41	24500	5460	FH155	

155	42	24500	5460 FH155	
155	43	24500	5460 FH155	
155	44	24500	4550 m/60	
155	45		m/60	SMK:
155	46	24500	3640 L31	
155	47		L31	
	48		L31	KE:
122	49	23800	7280 D-30	
122	50		D-30	
	51		D-30	HEAT:
155	52	23800	5460 GCT F1	
155	53		GCT F1	
	54		GCT F1	
155	55	23800	3640 M284	
155	56		M284	
	57		M284	
155	58	23800	3640 M-84	ERFB BB:
155	59		M-84	
155	60	21000	6370 M185	
155	61		6370 M185	
155	62	21000	6370 M185	
155	63	21000	6370 M185	
155	64	21000	6370 M185	
155	65	21000	6370 M185	
155	66	18200	6370 M185-SMOKE	
155	67	18200	6370 M185-SMOKE	
155	68	18200	6370 M185-SMOKE	
155	69	18200	6370 M185-SMOKE	
155	70	18200	6370 M185-SMOKE	
155	71	18200	6370 M185-SMOKE	
152	72	19250	7280 D-22	
152	73	19250	7280 D-22	
	74		D-22	
155	75	18900	9100 JSW 155	
155	76		JSW 155	
152	77	18900	5460 ShKH-77	
152	78	18900	5460 ShKH-77	SMK:
	79		ShKH-77	HEAT:
152	80	18550	9100 D-22	
152	81	18550	9100 D-22	
105	82	17500	7280 L13A1	
105	83		L13A1	
	84		L13A1	KE:

105	85	16800	7280 M-49
105	86		M-49
203	87	16800	4550 M201A
203	88	16800	4550 M201A
203	89	16800	4550 M201A
203	90	16800	4550 M201A
122	91	15050	7280 2A18
122	92	15050	7280 2A18
122	93	15050	7280 2A18
122	94	15050	7280 2A18
122	95	15050	7280 2A18
105	96	14700	7280 Mk 61
105	97	14700	7280 Mk 61
155	98	14000	9100 M126
155	99	14000	9100 M126
155	100	14000	9100 M126
155	101	14000	9100 M126
155	102	14000	9100 M126
152	103	12250	9100 D-1
152	104		D-1
85	105	12250	5460 QF 25-pdr
85	106		QF 25-pdr
122	107	11900	9100 2A18
122	108	15050	9100 2A18 SMK:
105	109	11200	7280 Jsw 105
105	110		Jsw 105
105	111	11200	7280 M103
105	112		M103
105	113	11200	5460 M2
105	114		M2

新武器名	武器Hash值	新武器Hash值	原版GUID
ERFB: M113A1 (20s)	84205C06220000	BBE000000000000	00000000-0000-0000-0600-00005f070000
SMK: M113A1 (10s)	84205C06220000	BBE000000000000	00000000-0000-0000-0600-000060070000
2A44 (14s)	45B10C00000000	BBE000000000000	00000000-0000-0000-0600-000047050000
SMK: 2A44 (7s)	45B10C00000000	BBE000000000000	00000000-0000-0000-0600-000048050000
M1978 (20s)	01222C1506000000		
	01222C1506000000		
L47 (10s)	C6A2040252580000		
	C6A2040252580000		
CN98 (10s)	4A65180200000000		
	4A65180200000000		
G-6 (10s)	204941E348925C04		
	204941E348925C04		
2A44 (20s)	45B10C00000000	BBE000000000000	00000000-0000-0000-0600-000045050000
SMK: 2A44 (10s)	45B10C00000000	BBE000000000000	00000000-0000-0000-0600-000046050000
M113A1 (20s)	84205C06220000	BBE000000000000	00000000-0000-0000-0600-00005e070000
SMK: M113A1 (10s)	84205C06220000	BBE000000000000	00000000-0000-0000-0600-000061070000
155K70 How (12s)	01521986C0D31200		
Soltam 155mm/52 Ha AB1AD36DC7D31200			
155mm/52 (10s)	862174CFD2000000		
ShKH-77 (10s)	0822556D070000	BBE000000000000	00000000-0001-0000-0600-00000c040000
	0822556D07000000		00000000-0001-0000-0600-00000b040000
	0822556D07000000		00000000-0001-0000-0600-000007040000
2A36 (10s)	07B10C3C2D010000		
	07B10C3C2D010000		
2A64 (10s)	C5B10C0000000000		
	C5B10C0000000000		
HEAT: 2A64	C5B10C00000000	BBE000000000000	00000000-0000-0000-0600-0000ed050000
ERFB-BB: M-46 (16s)	4771058400000000		
	4771058400000000		
M201A1 (20s)	C22204C305000000		
	C22204C305000000		
m/60 (18s)	862104870C0000	BBE000000000000	00000000-0000-0000-0600-000093070000
SMK: m/60 (9s)	862104870C0000	BBE000000000000	00000000-0000-0000-0600-000094070000
FH155 (18s)	8621481000000000		

	8621481000000000
m/60 (10s)	862104870C0000 BBE000000000000 00000000-0003-0000-0600-000005040000
SMK: m/60 (5s)	862104870C0000 BBE000000000000 00000000-0003-0000-0600-000006040000
L31 (10s)	0261198600000000 0261198600000000
KE: L31	0261198600000 BBE000000000000 00000000-0000-0000-0600-00003b060000
D-74 122 mm/L52 (16)	C320048403000000 C320048403000000
HEAT: D-30	C3200484030000 BBE000000000000 00000000-0000-0000-0600-000030060000
GCT F1 (18s)	8621784D04000000 8621784D04000000
GCT F1 AP	DA621882D7440000
M284 (10s)	0A6115C970010000 0A6115C970010000
ERFB BB: M-84 (10s)	OB97614572010000 OB97614572010000
M185 (18s)	0A61198970010000 0A61198970010000
D-22 (18s)	C3E00000000000 BBE000000000000 00000000-0000-0000-0600-000059060000 HashDoesNotMatter 00000000-0000-0000-0600-00005a060000 HashDoesNotMatter 00000000-0000-0000-0600-00002f060000
JSW 155 (18s)	8621841D05000000 8621841D05000000
ShKH-77 (18s)	0822556D070000 BBE000000000000 00000000-0000-0000-0600-000083070000
SMK: ShKH-77 (9s)	HashDoesNotMa BBE000000000000 00000000-0000-0000-0600-000084070000
HEAT: ShKH-77	HashDoesNotMa BBE000000000000 00000000-0000-0000-0600-000046060000
D-22 (18s)	HashDoesNotMa BBE000000000000 00000000-0000-0000-0600-000057060000 HashDoesNotMatter 00000000-0000-0000-0600-000058060000
L13A1 (14s)	C2420816000000000 C2420816000000000
KE: L13A1	C2420816000000 BBE000000000000 00000000-0000-0000-0600-000039060000

M-49 (12s)	4A71F1B404000000		
	4A71F1B404000000		
M201A (20s)	8B100C1700000000		
	8B100C1700000000		
 2A18 (16s)	 89B00C00000000 BBE000000000000	 00000000-0000-0000-0600-000043050000	
	HashDoesNotMatter	00000000-0000-0000-0600-000044050000	
	HashDoesNotMatter	00000000-0000-0000-0600-0000ea050000	
 Mk 61 (14s)	 81A1C61700000000		
	81A1C61700000000		
M126 (18s)	0A611D8370010000		
	0A611D8370010000		
 D-1 (18s)	 8321C0B407000000		
	8321C0B407000000		
QF 25-pdr (10s)	4D847119E67D2305		
	4D847119E67D2305		
 2A18 (16s)	 89B00C00000000 BBE000000000000	 00000000-0000-0000-0600-000071070000	
SMK: 2A18 (8s)	HashDoesNotMa BBE000000000000	00000000-0000-0000-0600-000072070000	
Jsw 105 (14s)	4620841D05000000		
	4620841D05000000		
M103 (14s)	44205C4620000000		
	44205C4620000000		
M2 (14s)	61260D1700000000		
	61260D1700000000		

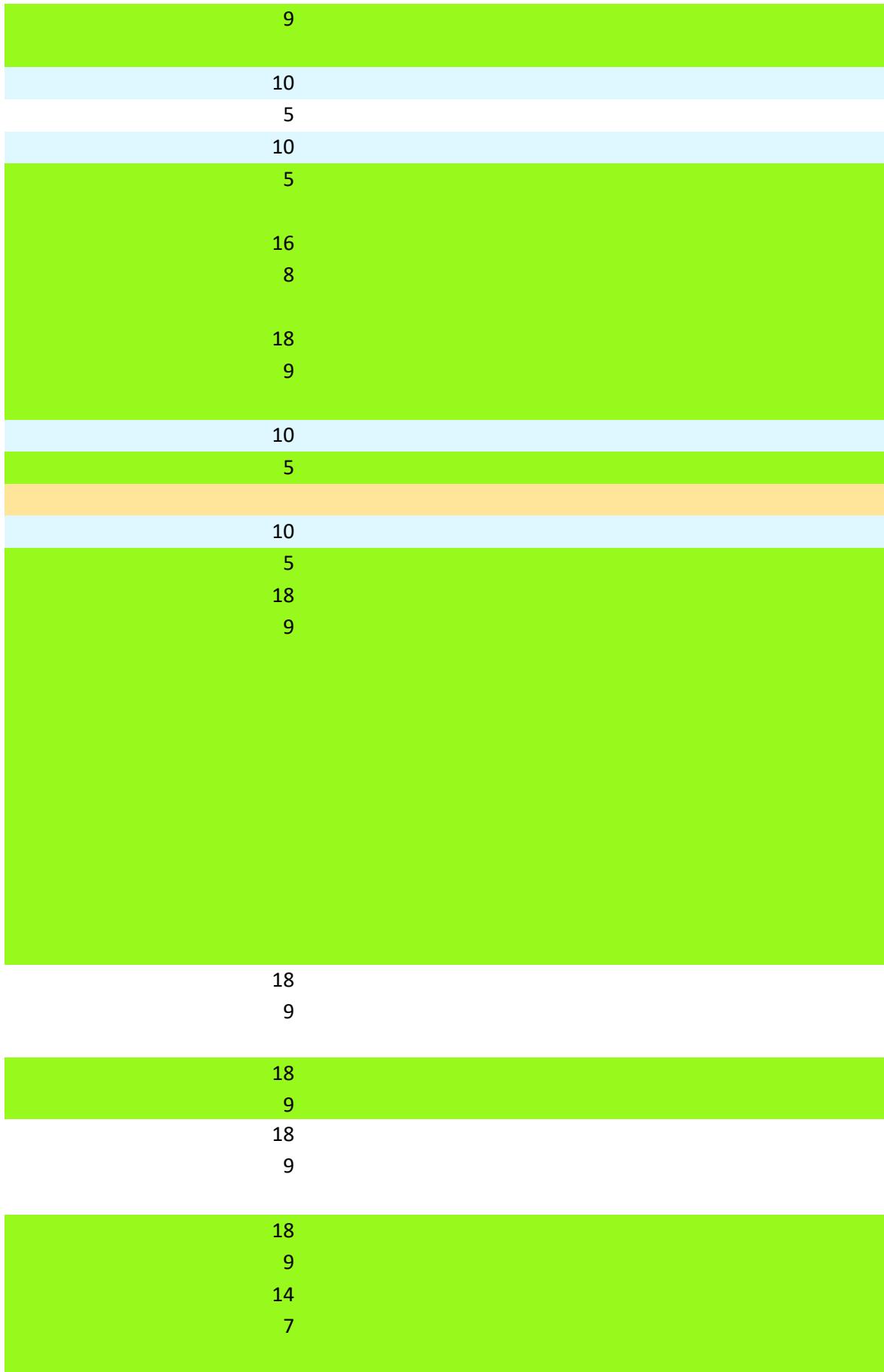
备注	原版武器子类型	原瞄准时间
1 ins HE		35
1 ins SMK		
1 ins HE		20
1 ins SMK		
1 ins HE	纯高爆弹	35
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	5
1 ins HE		35
1 ins SMK		
1 ins HE		35
1 ins SMK		
1 ins HE	纯高爆弹	15
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	15
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	
1 ins HE		10
1 ins SMK		
1 ins HEAT		
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	
1 ins HEAT		
1 ins HE	纯高爆弹	25
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	35
1 ins SMK	纯烟雾弹	
1 ins HE		30
1 ins SMK		
1 ins HE	纯高爆弹	30



1 ins HE	纯高爆弹	15
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	35
1 ins SMK	纯烟雾弹	
1 ins HE		25
1 ins SMK		
1 ins HEAT		

1 ins HE	纯高爆弹	20
1 ins SMK	纯烟雾弹	
1 ins HE, 2 ins depre	纯高爆弹	30
1 ins SMK, 2 ins depre	纯烟雾弹	
1 ins HE	纯高爆弹	30
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	10
1 ins SMK	纯烟雾弹	
1 ins HE		25
1 ins SMK		
1 ins HE	纯高爆弹	20
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	20
1 ins SMK	纯烟雾弹	
1 ins HE	纯高爆弹	20
1 ins SMK	纯烟雾弹	

瞄准时间	连发数	短装填
20		
10		
14	2	9
7	2	9
20		
10		
10		
5		
10		
5		
10		
5		
20	2	
10	2	
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武器管理器SalvoCount	对地射程(km)	最小对地射程(km)
4	50	5
	50	5
	42	4.2
	42	4.2
	42	4.2
	42	4.2
	41.3	4.13
	41.3	4.13
	41.3	4.13
	41.3	4.13
	40	4
	40	4
2	37.5	3.75
	37.5	3.75
	35	3.5
	35	3.5
	35	3.5
	35	3.5
	35	3.5
	34	3.4
	34	3.4
	32	3.2
	32	3.2
	30	3
	30	3
	29	2.9
	29	2.9
	38	3.8
	38	3.8
	29	2.9
	29	2.9
	25	2.5
	25	2.5
	25	2.5

	25	2.5
	25	2.5
	25	2.5
	32	3.2
	32	3.2
	24	2.4
	24	2.4
	30	3
	30	3
	30	3
	30	3
	42	4.2
	42	4.2
	18.1	1.81
	18.1	1.81
	22	2.2
	22	2.2
	19	1.9
	19	1.9
	20	2
	20	2
	17.4	1.74
	17.4	1.74
	17.5	1.75
	17.5	1.75

最大散布	最小散布	单位名
5460	546 ROMACH ERFB	
5460	546	
3640	364 2S7M MALKA	
3640	364	
3640	364 KOKSAN	
3640	364	
3640	364 M109A5 NL	
3640	364 DOHER	
3640	364 K9 THUNDER	
3640	364	
2730	273 G6-45 RHINO	
2730	273	
4550	455 2S7 PIVONKA	
4550	455 2S7 PION 2S7 PIWONIA	
7280	728 KM107	
7280	728 M107	
6370	637 TELAK 84	
6370	637	
5460	546 SHOLEF	
5460	546	
3640	364 CAESAR	
3640	364	
3640	364 ONDAVA	
3640	364	
4550	455 TELAK 91	
4550	455	
4550	455 2S19 MSTAS	
4550	455 SFL-Hb 2S19	
4550	455 TOKCHON 130mm	
4550	455	
3640	364 203 SP	
3640	364 M110A2(HOL) M110A2(US) M110A2 R.A. KARDOM	
7280	728 BKAN 1A	
7280	728	
5460	546 SKH M/109A3	

	5460	546	M109A3GN
	5460	546	PzH M109A3GA1
	4550	455	BKAN 1C
	4550	455	
	3640	364	AS-90
	3640	364	
	7280	728	TOKCHON 122mm
	7280	728	
	5460	546	AMX AuF1
	5460	546	
	3640	364	M109A6 PALADIN
	3640	364	
	3640	364	SO-155 NORA-B
	3640	364	
	6370	637	K55
	6370	637	M109A3
			M109A2 R.A.
			M109A2
			M109A2 R.C.H.A.
			ROCHEV
			K55
			M109A3
			M109A2 R.A.
			M109A2
			M109A2 R.C.H.A.
			ROCHEV
	7280	728	2S3M AKATSIYA
	7280	728	PLZ-83
	9100	910	155 SP
	9100	910	
	5460	546	Wz.77 DANA
	5460	546	DANA
	9100	910	2S3 AKATSIYA
	9100	910	SFL-Hb 2S3
	7280	728	FV433 ABBOT
	7280	728	

	7280	728	MONITOR 105
	7280	728	
	4550	455	KM110
	4550	455	M110
	4550	455	M110 R.A.
	4550	455	PzH M110
	7280	728	2S1 GVOZDIKA
	7280	728	2S1 KARAFIÁT
		PSH 74	
		SFL-Hb 2s1	
		SO-122 GVOZDIKA	
	7280	728	AMX-105 MK.61
	7280	728	AMX-13 AU 105MM
	9100	910	SKH M/109G
	9100	910	M109
		M109 R.C.H.A.	
		NM109	
		PzH M109G	
	9100	910	TOKCHON 152mm
	9100	910	
	5460	546	SEXTON
	5460	546	
	9100	910	PLZ-70
	9100	910	
	7280	728	105 SP
	7280	728	
	7280	728	M108
	7280	728	
	5460	546	SO-105 PRIST
	5460	546	

链接	备注standard	备注RAP	备注底排弹, 非火箭
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<http://www.milit> 1.5r 2S7, 2.5r 2S7M

<https://defence.l> 30km standard, **40km RAP**

<http://www.milit> 30km standard **39km RAP** 50km velocity enhanced long range projectiles

<https://military-l> 34km

<http://www.milit> 40km standard

<http://www.milit>? standard

<http://www.milit> **34km standard** 42km RAP

<http://www.military-today.com/a> **32km RAP**(即原版射程, 可能是底排增程弹)

<http://www.milit> 24.7km standarc **28.9 RAP**

<http://www.milit> **27.5km standard** 38km, TG 的ERFB-BB <http://www.milit>

<http://www.milit> **29 km standard**

<https://www.mil> **24.7km standard**

<https://forum.w> 25.6km

<https://www.arm> 25km

<http://www.milit> 24.7km standar 32km RAP

<http://www.milit> 15.3km standarc 21.9km RAP(M1977 D30)

24km(M1981 D <http://www.milit>)

<http://www.milit> 23.5km standar 30km RAP

<http://www.milit> 24km standard 30km RAP 40km excalibur

<http://www.milit> 20km standard 41km RAP

<http://www.vti.n> 34.5km

<http://www.milit> 18.1km standarc 24km RAP

M185 155 mm/L39

<http://www.milit> 19km standard 22km RAP

<http://www.milit> 18km standard 20km improved HE

<http://www.milit> 17.4km standard

[**17km standard**](http://www.milit)

[**14.6km standarc 20km RAP**](http://www.milit)

M126 155 mm/L23

<http://www.military-today.com/artillery/m1975.htm> <http://www.military-today.com/artillery/m1992.htm>

<http://www.military-today.com/artillery/m1981.htm> <http://www.military-today.com/artillery/m1977.htm>

<https://www.youku.com> 42km ERFB BB (底排弹)

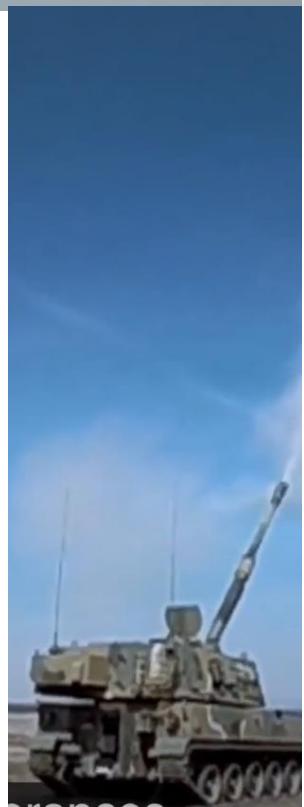
相比火箭弹，火箭增程榴弹/底排弹的尾焰可忽略

对比视频：<https://www.youtube.com/watch?v=0Euxm3jTM4U>



Charge: Permissible Maximum



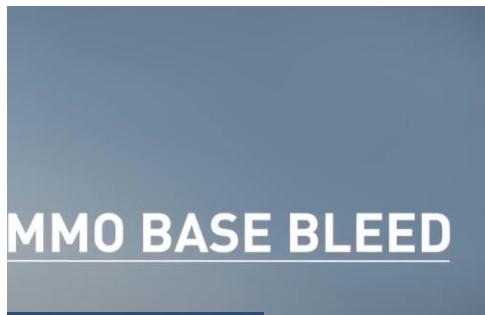




um Pressure

Range: 50.6 km





	Round	2000m RHA	Year	RANGE
M1: M256 =L44	M829	550	1985	3500
	M829A1	575-600	1988	3500
	M829A2	700	1993	4000
	M829A3	650-700	2003	4000

https://military.wikia.org/wiki/Rheinmetall_120_mm_gun

L11A5	L15	350	1965	1800
L11A4\ C2: L30 L30	L23A1	425	1985	3500
	L26A1	450	1991	3500
	L27A1	550	1999	3500
	L28A1	575 2000s		3500

LEC: CN-120-26	OFL 120 F1	550-650	1993	3000
	OFL 120 F2	650	1996	3500

L2: L44	DM13	425	1979	3200
	DM13A1	450	1983	3500
	DM23	475	1983	3500
	DM33	475-550	1987	3500
	DM53	600-700	1999	4000

?: L7	L36A1(UK)/M39	225	1961	1800
	L52(UK)/M728(L	250	1973	2500
	L64A4/M735	350	1978	3000
	M774	400	1980	3000
	M833	450	1983	3000
	M900	600	1989	4000

兔	T83	44E2198100000	2275	16	60
南斯拉夫	2A46M	D7512C0300000C	2275	16	60
兔	T83	44E2198100000	2275	16	55
苏联	2A46M	D7512C0300000C	2275	16	50
捷克	2A46	47B10C0000000	2275	16	50
波兰	2A46	47B10C0000000	2275	16	50
芬兰	2A46	47B10C0000000	2275	16	50
苏联	2A46M	D7512C0300000C	2275	16	40
南斯拉夫	D-10T	5E20380000000	2275	15	60
苏联	2A20	C1B00C0000000C	2275	15	45
苏联	2A20	C1B00C0000000C	2275	15	45
南斯拉夫	D-10T	5E20380000000	2275	13	60

2A46	BM-9	200	1962	2200
	BM-12	225	1968	2200
	BM-15	300	1972	2200
	BM-22	400	1976	3100
	BM-26	400	1983	3200
	BM-29	400	1982	3200
	BM-32	500	1985	3300
	BM-42	450	1986	3300
	BM-46	600	1991	3500
	BM-42M	600	1994	3500
	PRONIT(SLOVAK)	500	1996	3500
T-2A(CZECH)	T-2A(CZECH)	525	1997	3500
	125-I	525	1993	3500
	125-II	600	1990s	3500
	M711	625	1996	3500
2A20	BM-4	200	1963	2000
	BM-6	200	1967	2000
	BM-21	375	1975	2300
	BM-28	400	1978	2300
	BM-36	475	1988	2500

AP				
23-24	22	https://military.wikia.org/wiki/M829		
26-28	28	http://cncc.bingj.com/cache.aspx?q=DM53+PENETRATION&d=481153183790050		
	14			
	17			
	18			
	22			
	23			
22-26	26	https://germanarmor.blogspot.com/2020/04/german-120mm-tank-ammunition.html		
	17			
	18			
	19			
19-22		http://cncc.bingj.com/cache.aspx?q=DM53+PENETRATION&d=483822506062803		
24-28		https://germanarmor.blogspot.com/2020/04/german-120mm-tank-ammunition.html		
	9			
	10			
	14			
	16			
	18			
	24			
45	ZTZ-88B	93D424895AFB1	60	1988
55	M-84	4572010000000	75	1984
40	ZTZ-85-II	52334D46A2D6I	65	1989
35	T-80B	4C90780000000	75	1978
35	T-72M1cz	64235C03E2010	75	1983
35	T-72M1 JAGUAF	C235201E00000	75	1983
35	T-72M1	B3BB0AD780780	75	1984
30	T-80	41E2010000000	65	1976
30	T-55AH IGMAN	B329B393B41880	55	1995
15	T-62M	C2351C1E00000	55	1984
15	T-62M1	06A208F7490F8	45	1984
30	T-55AI IGMAN	B329B3D3B41880	40	1981

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数据录入：KMSRoon

缺蓝方单位

单位名称	单位hash值	国家
Fla-Kom KUB-M	A75E0D423598E90D	东德
Fla-Kom OSA	4B97C12667C61000	东德
Fla-Kom OSA-AK	D5B274D9E2700000	东德
Fla-Kom OSA-AKM	57B52C5DB6381C00	东德
Fla-Kom STRELA-1	827AE79D19430000	东德
Fla-Kom STRELA-10M	819077B0C9993104	东德
Fla-Kom TOR-M1	8BC3DDB407000000	东德
LO-1800 FASTA-4	5EB7404190089905	东德
Fla-SFL 23/4W1	B1DB76BF069B3104	东德
Fla-SFL 23/4M	57410C5F472E0E07	东德
Fla-SFL 2S6	9C09E3B3CECEBA07	东德
9K33 OSA	4B971144A5000000	苏联
9K33 OSA-AK	D5B2741941540A00	苏联
9K33 OSA-AKM	57B52C5D46109502	苏联
9K331 TOR-M1	5DC77D37ED010000	苏联
9K37 BUK	B0CE2044A5000000	苏联
9K37 BUK-M1-2	C205EB0C42540A00	苏联
BRDM-2 STRELA-1M	B17AE7DD70391C03	苏联
MT-LB STRELA-10M	66ACDE7967109502	苏联
ZSU-23-4V1 SHILKA	1566C2B1DB760500	苏联
ZSU-23-4MZ BIRYUSA	B7CB5C05317C1D09	苏联
2K22 TUNGUSKA	B8CECEBA370CD500	苏联
2K22 TUNGUSKA-M1	3A3BEBD350CD500	苏联
9K33M2 ROMB	D5B2741913721A00	波兰
9K33M3 ROMB	A74C73C445109502	波兰
BRDM-2 STRZAŁA-1M	827AE7DD70391C03	波兰
MT-LB STRZAŁA-10M	8110AB77DE599906	波兰
HIBNERYT ZUR-23-2S	DD90BBB73A9FBE04	波兰
RZP KUB-M	A75E0D4235000000	波兰
WZT-1 NEWA-SC	26AF628247860000	波兰
MAZ-543 NEWA-SC	26AF62446190CB05	波兰
ZSU-23-4V1 SZYŁKA	261CBB6D07000000	波兰
SOPEL	B15AD31D00000000	波兰
ITO 79	0A92791300000000	芬兰
ITO 96-9M317	8792791300000000	芬兰
ITO 86	4792791300000000	芬兰
ITO 90	8192791300000000	芬兰
ITPSV SU-57-2	03627C1DD869DE04	芬兰
ITPSV MARKSMAN	387C9B17D869DE04	芬兰
SERGEI MOD	4E76B92A7BAB1D00	芬兰

RL-4M PRAĆKA	268C9AB776151607	南联盟
RSPVO KUB-M	17F35519A8751C00	南联盟
RSPVO NEVA M1	97B9AB58066A1D07	南联盟
RSPVO NEVA M1T	9E7099BB8A010000	南联盟
RSPVO STRELA-1	D6C3795D066A1D07	南联盟
RSPVO STRELA-10	B17AE75D066A1D07	南联盟
RSPVO M90 SAVA	66172857066A1D07	南联盟
SPAT BOV 3	4983100000000000	南联盟
SPAT BOV 30	0101660C00000000	南联盟
SPAT FOKA	300D0D01E12D5A07	南联盟
KUB-M	A75E0D4235FC2800	捷克斯洛伐克
KUB-M4	64535CA75E010000	捷克斯洛伐克
M53/59 PRAGA	266BDE9A6210C605	捷克斯洛伐克
STROP 1	424DDF7907000000	捷克斯洛伐克
STROP 2	434DDF7907000000	捷克斯洛伐克
OSA-AK	D5B2741900000000	捷克斯洛伐克
OSA-AKM	57B52C5D06000000	捷克斯洛伐克
PLRK S-1M2	77DE0D97C3313F0A	捷克斯洛伐克
PLRK S-10M	EA9D778CE55D3F0A	捷克斯洛伐克
HQ-7		中国
HQ-61C		中国
PGZ-80	CBA27541A2D6BE07	中国
PGZ-88	4942461A00000000	中国
PGZ-04	4942461A00000000	中国
BRDM-2 STRELA-1	15262CD6C3791D00	朝鲜
VTT-323 IGLA	CB420C84E7810000	朝鲜
PÖN'GAE-3	846AB233AD010000	朝鲜
PÖN'GAE-2	E6AE62C620741506	朝鲜
TYPE 80 SPAAG	15162D8BD6050900	朝鲜
M1992 SPAAG	D1B268DDA028C205	朝鲜

原版对地射程(m) 最小原版对地射程(m) 原版对直升机射程(m) 原版对空射程(m) 原版反舰射程(m) 原版反导射程(m)

最小原版对直升机身最小原版对空射程(| 最小原版反舰射程(| 最小原版反导射程(| 武器Hash值

原版静止精度(%) 原版移动精度(%) 原版连发数 原版齐射数 原版HEAT 原版KE

数据录入：OO

单位名	单位Hash值	武器名	新武器名
F-5A PUFF,AYIT, EF-101B SU-22M4P(波兰)	10F4698B01010	AGM-45B Kh-25 MPU	AGM-45B (2 Mach) Kh-25 MPU (2.5 Mach)
Jaguar SU-24,SU-7B		ARMAT KH-28	ARMAT (0.85 Mach) KH-28 (2.5 Mach)
EA-6B PROWLER SEA HARRIER FA.2 SU-22M4P(东德)	B71AF3F4AD1D C302DDB72999 79EE42D730E81	AGM-78D ALARM KH-58	AGM-78D (2.5 Mach) ALARM (2 Mach) KH-58 (3.5 Mach)
EF-111A RAVEN KF-16C BLOCK 52D, TORNADO Feibao MiG-25BM	BBC90982003D AGM-88 YINGJI-91 3D0D1903EB5E	AGM-88 AGM-88 HARM YINGJI-91 Kh-58u	AGM-88 (2 Mach) AGM-88 HARM YINGJI-91 (3.5 Mach) Kh-58u (3.5 Mach)
Ka-52 AH-1W CHEETAH D		Kh-25MPU AGM-122 BARB	Kh-25MPU (2.5 Mach) AGM-122 (2 Mach) BARB (0.85 Mach)
F-4G WILD WEASEL V KURNASS 2000	B18A9B6A58400 41100CB75E3D0!	AGM-45B SHRIKE AGM-78D	

颜色代表原版速度分类

武器Hash值	武器Hash值即唯一性	备注	速度备注	新速度模块代表	kph
4671450B00000CY		2 instance			
DA650C6D05000Y			shared with AGM		
1C42740B00000CY		ARMAT, 抗干扰升级型, 1984年			
C9D05600000000CY					
0972450B00000CY					
17B7580B00000CY			2M		2500
89D15600000000CY					
4972450B00000CY					
82E2BEECEC8E0CY			3.5M		4200
9A40B41500000CY		Kh31P internally			
D6650C6D0500CY		Kh25ML internal	UNIQUE	2.5M	3000
C3205CD10200CY					
16B3740FE88D0Y			UNIQUE	0.85M	1000

新速度分类



warheads types info: classified into five major groups: blast (including air and under

导弹最大速度	对地射程(km)	瞄准时间	原射程	原HEAT	战斗部重
130000	35	0.2	4200	20	67.5
	35	0.2	4200	24	86
	50	0.2	4550	28	150
	45	0.2	4550	28	140
218400	50	0.2	4900	26	97
	50	0.2	4900	22	75
	50	0.2	4900	28	150
156000	55	0.2	5250	20	66
	60	0.2	5250	30	165
	60	0.2	5250	28	150
52000	12	0.2	3500	24	86
	12	0.2	3500	16	11
	12	0.2	3500 10HE		
	35				
	50				

SEAD Factor
erwater burst), fr

0.9

现实装药 (假设0.9战斗部类型)	HE	HE半径	压制
33.75 高爆破片	10.6	280	645
43 高爆破片	11.5	304	699
75 高爆破片	13.9	366	842
70 高爆	13.6	358	822
<hr/>			
48.5 高爆破片	12.0	316	728
37.5 近炸高爆	11.0	290	668
75	13.9	366	842
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33 直接破片	10.6	278	640
82.5 杀伤爆破	14.3	378	869
75 高爆破片	13.9	366	842
<hr/>			
43	11.5	304	699
7.6 高爆破片	6.5	171	392
102.66	17	385	886

压制半径	静止精度(%)	移动精度(%)	原版精度	最小散布	武器类型
561	50	50	50	50	50 SEAD
608	55	55	55	55	45 SEAD
732	65	65	55-» 65		35 SEAD
715	50	50		50	50 SEAD
<hr/>					
633	60	60	60	60	40 SEAD
581	70	70	70	70	30 SEAD
732	60	60	60	60	40 SEAD
<hr/>					
557	65	65	65	65	35 SEAD
755	70	70	70	70	30 SEAD
732	65	65	65	65	35 SEAD
<hr/>					
608	55	55	55	55	45 自动直射, 非子母
341	55	55	55	55	45 自动直射, 非子母
771	55	55	55	55	45 SEAD

链接	链接2
http://www.airw 52km	http://www.desi
http://www.airw 40km	https://en.missil 86kg 战斗部, 25-60km, 从低空-
https://baijiahao.baidu.com/s?id=1667368	https://en.missil 150kg 战斗部, ARMAT这里认为堆
http://www.airw 25-70km	https://en.missil 140kg战斗部 25-45KM 低空,
http://www.airw 75km, 150kg warhead	https://en.missil 150kg 战斗部 http://www.desi https://en.missilery.info/missile/alarm
http://www.airw 48km mid alt, 80-100km	https://en.missil 70kg 战斗部, 22C http://www.desi https://www.bili
http://www.airw 40-100km	https://en.missil 149kg 战斗部
http://www.airw 10km(kh-25MP), 2.5M	
http://www.airw 8km	http://www.desi
VANILLA, 55%, 10HE	Mk 82

67.5kg warhead, https://military	2M	2
15000m高空	2.5	2.5
曾程 (从60涨至12) https://military-l	0.9M	0.85
70km 5000m, 抛射90-110km	2.5M	2.5
97kg warhead	2.5M	2.5
	2M	2
	https://military-l	3.5M
66kg warhead, 2 https://wk.baidu	20kg 装药, 2M	2 https://man.fas.org/dod-101/sys
165kg 战斗部	3.5M(bili and wi)	3.5
	4200kph, 3.5M	3.5
11kg warhead, 16.5km range, 2.3	7.6kg TNT, Wart	2.5
		2

<https://military> 0.9M

<https://military> 2300KPH

20.4kg PBXC-116 装药

国家	单位名	单位Hash值	武器名	武器Hash值
	#command LA F6A9EABBE99A168TR (OEA F1)			
		68TR (OEA F1)		9C971C0000000000
SOVREMENNIY	FE3CABB27AEF7	Dual AK-130-MR		
		Dual AK-130-MR	DC151042B5380000	
		Dual AK-130-MR	DC151042B5380000	
KONGO	343BD31500000	Otobreda Compact		
		Otobreda Compact	C82098A97A330000	
LUDA	A96E0946A0D6B	Dual Type 76-130		
		Dual Type 76-130	01211C48ED7B0000	
		Dual Type 76-130	01211C48ED7B0000	
JIANGHU-III	94271146A0D6B	Dual PJ-33A		
		Dual PJ-33A	0B41501A00000000	
NAJIN	B3FB9A1800000	100 gun		
		100 gun	AF89058100000000	
		100 gun	AF89058100000000	
TYPE21	AC7B43C2A0D6B	Vickers Mark 8		
		Vickers Mark 8	097CA12E08000000	
#command UDA	D3E4D3B1997E0	Dual AK-130-MR	DC151042B5380000	
NANUSHKA-III	D364C22DAACF	AK-176		
TARANTUL-III	D314EBF96CDE	AK-176	0722540B00000000	
#command OLI	E66F4AB7BABB	OTO Melara Radar		
#command HAT	2EACFB3A9E9B1	OTO Melara Radar	0792791900000001	
			0792791900000001	
		OTO Melara	0792791900000000	
PEGASUS	B88E9BACAA010000			
DONG-HAE	AAD9B233ED000000			

PO-HANG

EC6CB6B406000000

BAEK-KU

83A157B06A6A(Mk34)

05015F0702000000

武器, 武器和MountedWD

新武器Hash值	新武器名	操作
		新建
		精度
9C971C00000000000		武器, MountedWD, 添加至现有炮塔
68TR		修改现有
DC151042B5380000		武器, MountedWD, 添加至现有特定炮塔
Dual AK-130-MR		修改现有
		MountedWD, 添加至现有特定炮塔
C82098A97A330000		武器, MountedWD, 添加至现有炮塔
Otobreda Compact		修改现有
01211C48ED7B0000		武器, MountedWD, 添加至现有特定炮塔
Dual Type 76-130		修改现有
		MountedWD, 添加至现有特定炮塔
0B41501A00000000		武器, MountedWD, 添加至现有炮塔
Dual PJ-33A		修改现有
AF89058100000000		武器, MountedWD, 添加至现有特定炮塔
100 gun		修改现有
		MountedWD, 添加至现有特定炮塔
097CA12E08000000		武器, MountedWD, 添加至现有炮塔
Vickers Mark 8		修改现有
		修改现有
0722540B00000000		武器, MountedWD, 添加至现有炮塔
AK-176		修改现有
0792791900000001		武器, MountedWD, 添加至现有炮塔
OTO Melara Radar		修改现有
		修改现有

修改现有
修改现有

修改现有

武器

备注

炮塔所属武器Has 炮塔所属武器名 炮塔所属武器Sal\ 炮塔类型

	9C971C000000068TR (OEA F1)	双轴
炮塔	DC151042B5380(Dual AK-130-MI 空值	双轴
	DC151042B5380(Dual AK-130-MI	4 双轴
	C82098A97A330(Otobreda Compact	双轴
炮塔	01211C48ED7B0(DualType 76-130 空值	双轴
	01211C48ED7B0(DualType 76-130	3 双轴
	0B41501A00000(DualPJ-33A	双轴
炮塔	AF89058100000(100gun	空值 双轴
	AF89058100000(100gun	5 双轴
	097CA12E08000(VickersMark 8	双轴
	0722540B00000 AK-176	双轴
	0792791900000 OTO Melara Radar	双轴

见零散武器改动

特效标签

稳定器改动

UI格子优先级

SalvoStockIndex AnimateOne

备注

1 新增

1 新增

2 新增

4 Y

1 新增

1 新增

2 新增

3 Y

1 新增

1 新增

2 新增

5 Y

1 新增

1 新增

1 新增

00000000-0000-0

TypeArme	武器类型	现实装药(kg)	HE	HE半径	压制
Naval Gun	高爆, 自动曲射	1.87	4.5	101	233
	子母弹	1.87	4.5	101	233
Naval Gun	高爆, 自动曲射	4	5.8	131	301
	子母弹	4	5.8	131	301
Naval Gun	高爆, 自动曲射	3.8	5.7	128	295
	子母弹	3.8	5.7	128	295
Naval Gun	高爆, 自动曲射	4	5.8	131	301
	子母弹	4	5.8	131	301
Naval Gun	高爆, 自动曲射	1.87	4.51	101	233
	子母弹	1.87	4.51	101	233
Naval Gun	高爆, 自动曲射	1.87	4.51	101	233
	子母弹	1.87	4.51	101	233
Naval Gun	高爆, 自动曲射	5.1	6.3	142	326
	子母弹	5.1	6.3	142	326
Naval Gun	高爆, 自动曲射	0.6	3.1	69	160
	子母弹	0.6	3.1	69	160
Naval Gun	高爆, 自动曲射	0.7	3.2	73	168
	子母弹	0.7	3.2	73	168
	子母弹	0.75	3.3	75	172

子母弹 0.34 2.6 57 132
SSM

压制半径	修正系数	对地射程(km)	最小对地射程(km)	对空射程(km)	对直升机射程(km)
203		17	0.5		
203		17		6	6
261		29	0.5		
261		29		6	8
257		30	0.5		
257		30		6	8
261		27.5	0.5		
261		27.5			
203		22.5	0.5		
203		22.5		6	6
203		22	0.5		
203		22			
283		27.5	0.5		
283		27.5			
139		15.7	0.5		
139		15.7		6	6
146		20	0.5		
146		20		6	6
150		10			

115

10

反导射程(km)	最大散布	最小散布	RayonPinned		Puissance
			连发数	短装填	长装填
3640	182	35	0.77	30	
		35	0.77	30	
4550	227.5	60	1.7	40	
		60	1.7	40	
3640	182	22	1.5	30	
		22	1.5	30	
6370	318.5	6	4	4	
		6	4	4	
4550	227.5	34	2.4	30	
		34	2.4	30	
6370	318.5	6	6	6	
		6	6	6	
4550	227.5	6	2.4	2.4	
		6	2.4	2.4	
3640	182	76	0.5	40	
3.5		76	0.5	40	
3640	182	80	0.705	40	
		80	0.705	40	
		80	0.705	40	

12

1

10

真实射速	实际射速	爆发射速	Level 齐射数	WeaponCursorType 散布角	初速度
78	37.37985048	77.92207792	1	0.005	55000
35 X2 rof, 60x3 c	37.37985048	77.92207792	2	0.005	55000
40 rof, 22x3 drums	21.46341463	40	1	0.005	55000
15 X2 rof	15	15	2	0.005	55000
25X2 rof, 34x2 drums			2	0.005	55000
10	10	10	1	0.005	55000
25	25	25	1	0.005	55000
120r max, 60r sl	58.83870968	120	1	0.005	55000
76x2 drums					
85r	50.15936047	85.10638298	1	0.005	55000
80x1 drum					

28.57142857

60

	Affichage	Menu	Interface	WeaponTexture	
摩擦力	静止精度(%)	移动精度(%)	瞄准时间	口径	单发补给
	1	1			
	2	1			
	2	2			
	3	1			
	3	2			
	3	3			
	4	1			
	4	2			
	4	3			
	4	4			
	5	1			
	5	2			
	5	3			
	5	4			
0.01			6 100mm		30
	80	80			30
0.01			8 130mm		40
	60	60			40
0.01			8 127mm		40
	80	80			40
0.01			8 130mm		40
	45	45			40
0.01			6 100mm		30
	65	65			30
0.01			6 100mm		30
	45	45			30
0.01			6 114mm		30
	65	65			30
0.01			4 76mm		15
	55	55			15
0.01			4 76mm		15
	55	55			15

8-9 1976年式双管130毫米舰炮

一、概述

1976年式双管130毫米舰炮（见图8-9-1）是高平两用，全自动瞄准带稳定装置的装甲炮塔式舰炮。它是大型导弹驱逐舰的主炮，装在舰首舰尾各一座。它由下列主要部分组成：火炮起落部分、固定部分（基座—固定在舰体基座面板上）、回转部分（包括扬弹机）、全炮各附件、工具和锤具。火炮装有全自动和半自动瞄准火炮随动系统（液压传动）、引信自动测合机、66式火炮瞄准镜、射击指挥仪表及通讯设备等。

主要的改进项目

1. 机械反冲装置改进了联轴节，提高了寿命和精度。
2. 为防止方向齿圈啃伤，加固了主齿轮的传动刚度。
3. 改进了装填机的保险装置。

二、战术技术诸元

口径	130毫米	炮身回转半径	5300毫米
初速	950米/秒	后座长	553~563毫米 ($\varphi=0^\circ$) 603~605毫米 ($\varphi=82^\circ$)
弹丸重	33.4公斤	极限后座长	630毫米
最大膛压	3550~3500公斤/厘米 ² (不带护膛剂)	驻退机液量	19.4公升
最大射程	≈28000米	复进机液量	3.6公升
最大射高	≈20000米	复进机气体初压力	80公斤/厘米 ²
炮身长	≈58倍口径	输弹机的气体压力	38公斤/厘米 ²
身管长	7050毫米 (54.2倍口径)	输弹机行程	1700毫米
膛线数	28条	舰炮全重	55200公斤
膛线类型	等齐 (右旋)	高低射界	-8°~+82°
膛线缠角	7°9'45"	方向射界	±279°
膛线缠度	25倍口径	发射速度	对海射击：每管 15发/分 对空射击：每管 12发/分 (须引信测合)
药室长	1123毫米		
火线高	2550毫米		
两管中心距	850毫米		
火炮回转半径	4860毫米 (不带炮身)		

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当手动扬弹、手动编弹和自动开闩时每管	随动系统跟踪精度
6~7发/分	静态误差 ≤0.01
扬弹速度：(每个扬弹机)	等速跟踪误差 ≤0.02(最大动态误差)
18~20发/分(电动)	正弦跟踪误差 ≤0.05(最大动态误差)
6~7发/分(手动)	射击瞬间误差 ≤2.5秒
高低瞄准速度	(在最大瞄准速度并等速跟踪射击后协调时间)
最大≥20°/秒， 最低≤3°/分 (系统等速跟踪状态下)	冷却方式 内冷
方向瞄准速度	舰炮长 10160毫米
最大≥17°/分， 最低≤2°/分 (系统等速跟踪状态下)	舰炮宽 4450毫米
	舰炮高 4022毫米

三、火炮运输方式及运输外形尺寸

1. 运输方式：分解成炮塔、起落部分、炮架、扬弹机等部分分别装箱用平板火车出厂运输。

2. 主要件的运输外形尺寸

名 称	箱 号	数 量	最 大 外 形 尺 寸 (毫 米)		重 量 (公 斤)	
			长×宽×高		净 重	毛 重
起落部分	1	1	8856×2820×2015		17500	18910
炮 架	2	1	5000×3356×3042		19050	19520
炮 塔	4 5	1	7000×3122×1760		3040 3090	3640 3700

弹链补给量	武器管理器名	武器管理器SalvoIndex	武器管理器SalvoCount
1050	Lafayette	0	17
1050	Sovremenny	0	34
2400	Sovremenny	4	34
880	Kongo	0	27
880	Type_051_Luda	0	100
240	Type_051_Luda	3	100
1020	Type_053HT_Jianghu_II	0	9
1020	Najin	0	133
180	Najin	5	133
180	Type_21_Frigate	0	66
180	Udaloy_II	0	17
1140	Nanuchka_III	0	4
1140	Tarantul_III	0	4
1200	Oliver_Hazard_Perry	0	6
1200	Hatsuyuki	0	8
1200	Pegasus	0	2
	Donghae	0	4

Pohang	0	8
Pohang	3	8

现备弹	原备弹	实际备弹	链接
595	240	http://navweaps 600 rounds	
2040	360	60x3 drums, per https://zhuanlan https://www.yuc	2000 M46 HOWITZER SHELL 3.3t
	360		
594	300	22x3 drums http://navweaps 600 ish	
600	160	https://zhuanlan 600 ish	
	160		
306	120		300 guessed
798	400		
	400		
396	200	http://navweaps.com/Weapons/WNBR_45-5	
1020	240		
	240		
	240		
	480		
	640		
	160		
	320		

640

100

[5_mk8.php](#)

国家	单位名	单位Hash值	武器名	武器Hash值
	LA FAYETTE	6A9EABBEB99A160	68TR (OEA F1)	9C971C0000000
	SOVREMENNIY	FE3CABB27AEF7407	Dual AK-130-MR	DC151042B5380
	KONGO	343BD31500000000	Otobreda Compac	C82098A97A330
	LUDA	A96E0946A0D6BE07	Dual Type 76-130	01211C48ED7B0
	JIANGHU-III	94271146A0D6BE07	Dual PJ-33A	0B41501A00000
	NAJIN	B3FB9A1800000000	100 gun	AF89058100000
	TYPE21	AC7B43C2A0D6BE07	Vickers Mark 8	097CA12E08000
	UDALOY II	D3E4D3B1997E0000	Dual AK-130-MR	DC151042B5380
	NANUSHKA-III	D364C22DAACF260	AK-176	0722540B00000
	TARANTUL-III	D314EBF96CDEA60	AK-176	0722540B00000
	OLIVER HAZARD PERRY	E66F4AB7BABB710	OTO Melara 76/62	0792791900000
	HATSUYUKI	2EACFB3A9E9B120	OTO Melara 76/62	0792791900000
			OTO Melara 76	0792791900000
	PEGASUS	B88E9BACAA010000		
	DONG-HAE	AAD9B233ED000000		
	PO-HANG	EC6CB6B406000000		

BAEK-KU 83A157B06A6A000 (Mk34) 05015F0702000

原版武器子类型	炮弹名	现实装药	现实装药(kg)	HE	HE半径
曲射		1.1kg ?			
曲射		3.56kg ?			
曲射		3.52kg ?			
曲射		1.25kg ?			
曲射					
曲射	HE ER	3kg RDX(1.7)		5.1	6.3
000					142
曲射		0.48kg ?		0.6	3.1
直射				0.6	3.1
曲射	SAPOMER	0.52kg HELAL(1.		0.7	3.2
直射				0.7	3.2
直射		0.75kg?		0.75	3.3
					75
<hr/>					
000			0.34	2.6	57

压制	压制半径	修正系数	对地射程(km)	最小对地射程(km)	对空射程(km)
			17		
			29		
			30		
			27.5		
			22.5		
			22		
326	283		27.5		
			29		
160	139		15.7		
160	139		15.7		6
168	146		20		
168	146		20		6
172	150		10		
132	115		10		

实际射速	爆发射速	齐射数	散布角	初速度	摩擦力
37.37985048	77.92207792	1	0.005	55000	0.01
25.6593015	35.29411765	2	0.005	55000	0.01
21.46341463	40	1	0.005	55000	0.01
15	15	2	0.005	55000	0.01
lums		2	0.005	55000	0.01
10	10	1	0.005	55000	0.01
25	25	1	0.005	55000	0.01
58.83870968	120	1	0.005	55000	0.01
50.15936047	85.10638298	1	0.005	55000	0.01
<hr/>					
28.57142857	60				

静止精度(%)	移动精度(%)	瞄准时间	口径	单发补给	弹链补给量
55	55	10s	6 100mm	30	1050
			8 130mm	40	2400
55	55	12s	8 127mm	40	880
			8 130mm	40	240
55	55	15s	6 100mm	30	1020
			6 100mm	30	180
55	55	18s	6 114mm	30	180
			4 76mm	15	1140
55	55	22s	4 76mm	15	1200
			5 100mm	15	1200
55	55	28s	4 100mm	15	1200
			4 127mm	15	1200
55	55	35s	4 130mm	15	1200
			4 152mm	15	1200
55	55	45s	4 155mm	15	1200
			4 178mm	15	1200
55	55	55s	4 190mm	15	1200
			4 203mm	15	1200
55	55	65s	4 205mm	15	1200
			4 210mm	15	1200
55	55	75s	4 214mm	15	1200
			4 230mm	15	1200
55	55	85s	4 235mm	15	1200
			4 252mm	15	1200
55	55	95s	4 257mm	15	1200
			4 274mm	15	1200
55	55	105s	4 278mm	15	1200
			4 295mm	15	1200
55	55	115s	4 297mm	15	1200
			4 314mm	15	1200
55	55	125s	4 317mm	15	1200
			4 334mm	15	1200
55	55	135s	4 337mm	15	1200
			4 354mm	15	1200
55	55	145s	4 357mm	15	1200
			4 374mm	15	1200
55	55	155s	4 377mm	15	1200
			4 394mm	15	1200
55	55	165s	4 397mm	15	1200
			4 414mm	15	1200
55	55	175s	4 417mm	15	1200
			4 434mm	15	1200
55	55	185s	4 437mm	15	1200
			4 454mm	15	1200
55	55	195s	4 457mm	15	1200
			4 474mm	15	1200
55	55	205s	4 477mm	15	1200
			4 494mm	15	1200
55	55	215s	4 497mm	15	1200
			4 514mm	15	1200
55	55	225s	4 517mm	15	1200
			4 534mm	15	1200
55	55	235s	4 537mm	15	1200
			4 554mm	15	1200
55	55	245s	4 557mm	15	1200
			4 574mm	15	1200
55	55	255s	4 577mm	15	1200
			4 594mm	15	1200
55	55	265s	4 597mm	15	1200
			4 614mm	15	1200
55	55	275s	4 617mm	15	1200
			4 634mm	15	1200
55	55	285s	4 637mm	15	1200
			4 654mm	15	1200
55	55	295s	4 657mm	15	1200
			4 674mm	15	1200
55	55	305s	4 677mm	15	1200
			4 694mm	15	1200
55	55	315s	4 697mm	15	1200
			4 714mm	15	1200
55	55	325s	4 717mm	15	1200
			4 734mm	15	1200
55	55	335s	4 737mm	15	1200
			4 754mm	15	1200
55	55	345s	4 757mm	15	1200
			4 774mm	15	1200
55	55	355s	4 777mm	15	1200
			4 794mm	15	1200
55	55	365s	4 797mm	15	1200
			4 814mm	15	1200
55	55	375s	4 817mm	15	1200
			4 834mm	15	1200
55	55	385s	4 837mm	15	1200
			4 854mm	15	1200
55	55	395s	4 857mm	15	1200
			4 874mm	15	1200
55	55	405s	4 877mm	15	1200
			4 894mm	15	1200
55	55	415s	4 897mm	15	1200
			4 914mm	15	1200
55	55	425s	4 917mm	15	1200
			4 934mm	15	1200
55	55	435s	4 937mm	15	1200
			4 954mm	15	1200
55	55	445s	4 957mm	15	1200
			4 974mm	15	1200
55	55	455s	4 977mm	15	1200
			4 994mm	15	1200
55	55	465s	4 997mm	15	1200
			5 014mm	15	1200
55	55	475s	5 017mm	15	1200
			5 034mm	15	1200
55	55	485s	5 037mm	15	1200
			5 054mm	15	1200
55	55	495s	5 057mm	15	1200
			5 074mm	15	1200
55	55	505s	5 077mm	15	1200
			5 094mm	15	1200
55	55	515s	5 097mm	15	1200
			5 114mm	15	1200
55	55	525s	5 117mm	15	1200
			5 134mm	15	1200
55	55	535s	5 137mm	15	1200
			5 154mm	15	1200
55	55	545s	5 157mm	15	1200
			5 174mm	15	1200
55	55	555s	5 177mm	15	1200
			5 194mm	15	1200
55	55	565s	5 197mm	15	1200
			5 214mm	15	1200
55	55	575s	5 217mm	15	1200
			5 234mm	15	1200
55	55	585s	5 237mm	15	1200
			5 254mm	15	1200
55	55	595s	5 257mm	15	1200
			5 274mm	15	1200
55	55	605s	5 277mm	15	1200
			5 294mm	15	1200
55	55	615s	5 297mm	15	1200
			5 314mm	15	1200
55	55	625s	5 317mm	15	1200
			5 334mm	15	1200
55	55	635s	5 337mm	15	1200
			5 354mm	15	1200
55	55	645s	5 357mm	15	1200
			5 374mm	15	1200
55	55	655s	5 377mm	15	1200
			5 394mm	15	1200
55	55	665s	5 397mm	15	1200
			5 414mm	15	1200
55	55	675s	5 417mm	15	1200
			5 434mm	15	1200
55	55	685s	5 437mm	15	1200
			5 454mm	15	1200
55	55	695s	5 457mm	15	1200
			5 474mm	15	1200
55	55	705s	5 477mm	15	1200
			5 494mm	15	1200
55	55	715s	5 497mm	15	1200
			5 514mm	15	1200
55	55	725s	5 517mm	15	1200
			5 534mm	15	1200
55	55	735s	5 537mm	15	1200
			5 554mm	15	1200
55	55	745s	5 557mm	15	1200
			5 574mm	15	1200
55	55	755s	5 577mm	15	1200
			5 594mm	15	1200
55	55	765s	5 597mm	15	1200

原补给	火	噪音	武器管理器名	武器管理器Salvo	武器管理器Salvo
180			2 Lafayette	0	17
240			2.3 Sovremenny	0	34
200		2.27	Kongo	0	27
80		2.3	Type_051_Luda	0	100
180		2	Type_053HT_Jiai	0	9
30		2	Najin	0	133
35		2.14	Type_21_Frigate	0	66
			Udaloy_II	0	17
			Nanuchka_III	0	4
			Tarantul_III	0	4
			Oliver_Hazard_P	0	6
			Hatsuyuki	0	8
			Pegasus	0	2
			Donghae	0	4
			Pohang	0	8
			Pohang	3	8

原备弹	实际备弹	链接
240		http://navweaps 78r, 17.26km
360	60x3 drums, per turret	
300	22x3 drums	http://navweaps.com/Weapons/WNUS_5-62_mk45.php
160		
120		http://navweaps 25r x2, 22.5km
400		
200		http://navweaps Mark 8 Mod 0
240		
240		
240		
480		
640		
160		
320		
640		
100		http://navweaps 45-50R

单位名	单位Hash值	武器名	新武器名	武器Hash值
		SAHV-IR		5A1472DD07610E06
		Crotale NG		11A6C6664EDF0D00
		MIM-72G		D1805CD305000000
		TAN SAM		D7D2CDA607000000
2K22 TUNGUSKA-M1		9M311M		9720109702000000
9K33 OSA-AK		9M33M2		C3455C0A00000000
		Crotale		D7D2D17703000000
		R-73A-S-24		C5D02D04C2010000
(OSA)(IR)		9M33		0471290000000000
		MIM-72F		D0805CD305000000
2K22 TUNGUSKA		9M311		82405C0A00000000
		RBS 90		81D2311C00000000
		RBS 70MK.2		4380740C07000000
		TWINRBS 90		5EA0740C07000000
AMX-30 ROLAND		Roland(IR)		E96CC63407000000
		MIM-72A		CB805CD305000000
		Mistral		B179E7B87B010000
		TY-90		81327A0000000000
		QW-2		43B8010000000000
		Javalin		B1BA9B1400000000
		JAVELIN LML		D665ED2605000000
		GROM		327D47D7D2010000
		TYPE 91		D7D2098A07000000
Mi-24V		Igla		66CC4E0000000000
		RBS 70		01D2311C00000000
		HB-5B		8C81490000000000
PZRK IGLA-N		IGLA-N		9760C6EC04000000
		QW-1		42B8010000000000
		9M37		8160C6EA9D770000
		9M333		04415C0A00000000
		IGLA-1		8219B31300000000
		FIM-92ASTINGER		B7CACE6EDE010000
		FIM-92CSTINGER		CDADB2B39B770000
		HN-5A		8B81490000000000
		STRELA-2M		06B6740000000000
		STRELA-2M		B16BDE11B2740000

STRELA-2M/A	CB852C1D00000000
9M31	8219AB77DE010000
9M31M	9760C6EA9D770000
STRELA-3	8419AB77DE010000
REDEYE	AAAFA62A07000000
BLOWPIPE	6AE DD63C1D330000
HAMLET(REDEYE COPY?)	B91ACBA604000000
STARSTREAKII	

武器Hash值即唯一条件	对直升机射程(km)	对空射程(km)	短装填	武器类型	原射程
Y	12.0	8.4			3500
Y	11.0	7.7			3325
Y	10.0	7			3325
Y	10.0	7			3325
Y	10.0	7			3325
Y	10.0	7			2450
Y	10.0	7			3325
Y	10.0	7	3 射后不理		3325
Y	9.0	6.3			2275
Y	9.0	6.3			2975
Y	8.0	5.6			2975
Y	7.0	4.9			2800
Y	7.0	4.9			2800
Y	7.0	4.9			2800
Y	6.2	4.34			2275
Y	6.0	4.2			2625
Y	6.0	4.2			2625
Y	6.0	4.2			2625
Y	6.0	4.2			2625
Y	5.5	3.85			2450
Y	5.5	3.85			2450
Y	5.5	3.85			2625
Y	5.5	3.85			2450
Y	5.2	3.64			2450
Y	5.0	3.5			2625
Y	5.0	3.5			2275
Y	5.0	3.5			2450
Y	5.0	3.5			2450
Y	5.0	3.5			2625
Y	5.0	3.5			2800
Y	5.0	3.5			2450
Y	4.8	3.325			2275
Y	4.8	3.325			2275
Y	4.4	3.08			2100
Y	4.2	2.94			2100
Y	4.2	2.94			2100

Y	4.2	2.94	2100
Y	4.2	2.94	2450
Y	4.2	2.94	2450
Y	4.1	2.87	2275
Y	3.5	2.45	2275
Y	3.5	2.45	2100
Y	3.5	2.45	2275

备注	射高
	6 10km, sina 6 15km
红	6 11km range, 6km height
蓝	5
蓝	5
红	5
红	5
红	5 10km range, 5km height
红, 根据原版和其他3325实际射程对比猜测	
红	5 9 km range, 5km height
蓝	4 9km range, 3km height
红	3.5 range 8km, slant range 8km, 3.5km height
蓝	4 7km range, 4km height
蓝	4 7km range, 4km height
蓝	4
蓝	3 6.2km range, 3km height
蓝	3
蓝	3 6km range, 3km height
红	4 3kg warhead, 4km height?
红	3.5 6km range, 3.5km height
蓝	to air 4.5km
蓝	
红	3.5 5.5km range, 3.5km height
蓝	比毒刺强, 不如西北风, 推测5.5km
红	2.5 5.2KM range, 2.5km height
蓝	3 5km range, 3 km height
红,5km 推测	
红	
红	4 5 km slant, 4km height
红	3.5 5km range, 3.5km height
红	3.5 5km range, 3.5km height
红	2.5 5KM range, 2.5km height
蓝 · 4.5-4.75	2.5 4.75km range, 3.5km height
蓝 · 4.5-4.75	2.5 2-3KG WARHEAD
红	
红	NAVY SAM
红	

红, 4.2km推测

红 3

红 3.5

红

蓝 4.5km range, 2.7km height

[https://military.wikia.org/wiki/Blowpipe_\(missile\)](https://military.wikia.org/wiki/Blowpipe_(missile))

蓝

蓝

蓝

蓝2007+, 7+ km

<http://mil.news.sina.com.cn/2005-10-25/0844326659.html>

<http://www.basicrecceguide.be/PDF%20Site/MISSILE%20-%20SAM/Cactus1000%20SAHV.pdf>

<https://en.missilery.info/missile/crotale>

[https://military-history.fandom.com/wiki/Crotale_\(missile\)](https://military-history.fandom.com/wiki/Crotale_(missile))

<https://en.missilery.info/missile/crotal>

<https://en.missilery.info/missile/osa>

<https://en.missilery.info/missile/chapparal>

<https://en.missilery.info/missile/tunguska>

<https://en.missilery.info/missile/rbs90>

<https://en.missilery.info/missile/rbs70>

<https://en.missilery.info/missile/roland-1>

<https://en.missilery.info/missile/mistral>

<https://military.wikia.org/wiki/TY-90>

https://military-history.fandom.com/wiki/QW-1_Vanguard

<https://en.missilery.info/missile/javeli>

[https://military-history.fandom.com/wiki/Javelin_\(surface-to-air_missile\)](https://military-history.fandom.com/wiki/Javelin_(surface-to-air_missile))

<https://en.missilery.info/missile/grom>

<https://en.missilery.info/missile/igla>

<https://en.missilery.info/missile/igla-c>

<https://en.missilery.info/missile/rbs70>

https://military-history.fandom.com/wiki/QW-1_Vanguard

<https://en.missilery.info/missile/strela10sv>

<https://en.missilery.info/missile/strela10m>

<https://en.missilery.info/missile/igla1>

<https://en.missilery.info/missile/stinger>

https://military.wikia.org/wiki/9K38_Igla

<https://en.missilery.info/missile/strela1>

<https://en.missilery.info/missile/redeye>

<https://en.missilery.info/missile/blowpipe>

数据录入：OO

单位名	单位Hash值	武器名	新武器名	武器Hash值
(Patriot PAC-3)	ERINTPAC-3		ERINTPAC-3	45205CD305000000
(BUK-M1-2)	9M317	MIM-23B I-Hawk PIP III	9M317	C295109702000000
(ITO-79)	V-600P			306FB68406000000
(kub-m4)	3M9M3			4.1708E+15
	HQ-61C			C57510C4A5000000
	MIM-23B I-Hawk			C2B14900000000000
	9M38(BUK)	9M38M1		306FB613000000000
	MIM-23B I-Hawk PIP II			0971290000000000
	MIM-23A Hawk			306FB61A00000000
	EOTS I-Hawk PIP II (光电)			306F4A0000000000
	HEOS I-HAWK (光电)			9D973D0000000000
	V-600PT (光电)			5DF6480000000000
	RIM-7M Sea Sparrow			9E16040708000000
	3M9(kub-M)			17724D1C00000000
	RM5(ROLAND3)	Roland Mach 5		07415COA00000000
	SAHV-3			443A9B31CD010000
				E33432DBF638D202
FRP ROLAND	Roland3(ROLAND 3)			
NOAH	MIM-23B I-Hawk(NOAH)			

HQ-61A

(NEVA,NEWA V-600P

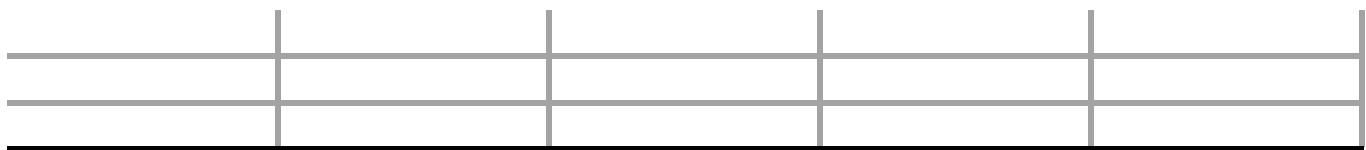
(BUK-M1) 9M38M1

(PATRIOT) MIM-104C

104000/104000/780000也是很多SEAD弹的速度

同色代表飞行速度模块

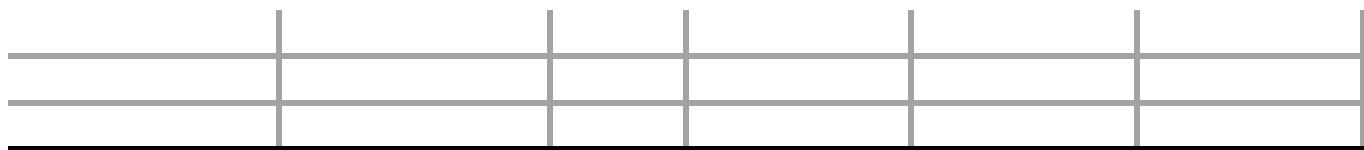
武器Hash值即唯一条件	原初速	原加速度	原最大速度	速度模块备注
Y	104000	104000	780000	UNIQUE
Y	65000	65000	780000	
Y				
Y				
Y				
Y				
Y				
Y	65000	65000	780000	
Y				
Y				
Y				
Y				
Y				
Y	104000	104000	520000	UNIQUE
Y	65000	65000	780000	
Y	104000	104000	468000	多个INS, 和MANPAD
Y	104000	104000	780000	和SAHV IR 共享



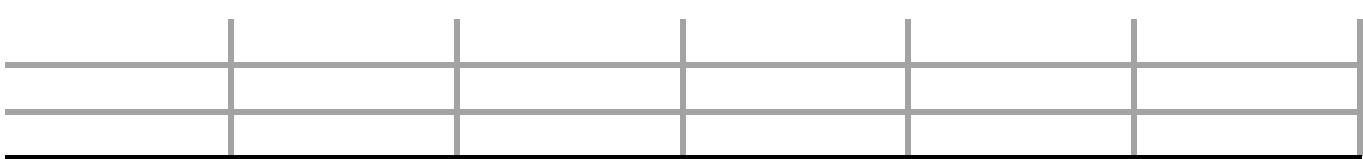
相同

初速度 导弹加速度 对空射程(km) 对直升机射程(km) 反导射程(km) 瞄准时间

91000	91000	50			0.4
91000		45	12		0.4
91000		35	12		0.4
91000		35	12		0.4
91000		35	12		0.4
91000		35	12		0.4
91000		30	12		0.4
91000		35	12		0.4
91000		30	12		0.4
91000		25	12		0.4
91000		25	12		1
91000		25	12		1
91000		25	12		1
		25	12		0.4
91000		22	12		0.4
, IR AAM等共享		16	12		
		15	12		



连发数	短装填	HE	HE半径	压制	压制半径	
16	2 2 2	2	7	245	280	490



The diagram consists of a horizontal line with five vertical grid lines extending downwards from it. The first four grid lines correspond to the values in the table: 16, 2, 2, and 2. The fifth grid line corresponds to the value 7. The sixth grid line corresponds to the value 245. The seventh grid line corresponds to the value 280. The eighth grid line corresponds to the value 490.

武器类型	TypeArme	静止精度(%)	移动精度(%)
射后不理			6300
射后不理			5950
射后不理			4550->5250
		65	4550->5250
			4550->5250
			->5250
		5	4200->4900
			4200->4900
			4200->4900
			3850->4550
			4200->4025
			4200
			4200->4375
			3850->4550
			->3850

				3500
				4550->5250

4550->5250

4550->5250

5250

5600

备注	
/	
3500	(45KM)
2800->3500	基于原版射程和霍克的对比猜测
->3500	N/A, 基于原版射程和霍克的对比猜测
2625->3500	基于原版射程和霍克的对比 · 和C型的射程提升猜测
2625->3500	(30KM)
3325->3500	
2450->3500	
2625->3500	4900*5/6=4025, 30*5/6 = 25(光电射程-1/6)
2625->3500	
2625->3500	
2450->3500	(22km)
->3500	ROLAND 3->RM5(16KM), VT-1(11KM) 8nm->15km
2800	(8KM)
2800->3500	40KM

2800->3500
 2800->3500 [https://en.missilery.info/missile/bukm1\(35KM\)](https://en.missilery.info/missile/bukm1(35KM))

70km

链接

<https://en.missilery.info/missile/erint>

<https://en.missilery.info/missile/bukm1-2>

[http://www.designation-systems.](http://www.designation-systems.com/)

<https://en.missilery.info/missile/buk>

[http://www.designation-systems.net/dusrm/m-23.html \(25km\)](http://www.designation-systems.net/dusrm/m-23.html)

<https://en.missilery.info/missile/kub>

<http://www.basicrecceguide.be/PDF%20Site/MISSILE%20-%20SAM/Cactus1000%20SAHV.pdf>

<https://en.missilery.info/missile/roland-3>

Weapon	武器名	武器Hash	原版GUID	Weapon
Naval SAM RIM-7M Sea Sparrow	17724D	00000000-0000-0000-0600-0000c0090000	HE	
Naval SAM SM2 MR block II	DC355C1	00000000-0000-0000-0600-0000cb090000	HE	
Naval SAM Crotale CN2	43139B3	00000000-0000-0000-0600-000095090000	HE	
Naval SAM 9K33M OSA-M	05B6740	00000000-0000-0000-0600-0000c7090000	HE	
Naval SAM SM1 MR block V	DC255C1	00000000-0000-0000-0600-0000c9090000	HE	
Naval SAM RGM-66D SSM-ARM	C771451	00000000-0000-0000-0600-0000bf090000	HE	
Naval SAM 9M317 M: Shtil-1	42ECE66	00000000-0000-0000-0600-0000cd090000	HE	
Naval SAM Strela-2M	06B6740	00000000-0000-0000-0600-0000c8090000	HE	
Naval SAM HHQ-7	C826010	00000000-0000-0000-0600-0000a5090000	HE	
Naval SAM Sea Cat	B9D9986	00000000-0000-0000-0600-0000cc090000	HE	
Naval SAM 3K95 Kinzhal	8.7E+15	00000000-0000-0000-0600-000087090000	HE	
Naval SAM 9M311	82405C0	00000000-0000-0000-0600-000089090000	HE	
Naval SAM SM1 MR block V	DC255C1	00000000-0000-0000-0600-0000ca090000	HE	

Weapon	Weapon	Weapon	Sta	Acc	Mov	Acc	Caliber	SalvoLeng	SalvoLeng	ShotSimu	ShotRelo	ShotRelo
6	0.4	0.4	SemAct	r:	8	8	1	1	1	1	1	1
7	0.5	0.5	Radar		2	2	1	1	1	1	1	1
6	0.8	0.8	Radar		8	8	1	1	1	1	1	1
6	0.5	0.5	Radar		2	2	1	0.8	0.8	0.8	0.8	0.8
7	0.5	0.5	Radar		1	1	1	1	1	1	1	1
12	0.5	0.5	Radar		2	2	1	0.6	0.6	0.6	0.6	0.6
8	0.6	0.6	Radar		1	1	1	8	8	8	8	8
3	0.3	0.3	Infrared		4	4	1	0.4	0.4	0.4	0.4	0.4
5	0.6	0.6	Radar		8	8	1	1	1	1	1	1
5	0.65	0.65	SACLOS		4	4	1	0.2	0.2	0.2	0.2	0.2
5	0.6	0.6	Radar		1	1	1	1	1	1	1	1
4	0.6	0.6	SACLOS		8	8	1	0.4	0.4	0.4	0.4	0.4
7	0.5	0.5	Radar		2	2	1	0.6	0.6	0.6	0.6	0.6

Salvo	Relo	Aim	Real ROF	UI ROF	Cα	Max Anti-	Max Anti-	Max Anti-	新武器名	反导射程(km)
12		0.4	25.2632	25.2632		5075	2800			14
6		0.4	17.1429	17.1429		5075	3500	RIM-66H SM-2N		14
12			25.2632	25.2632		5075	3500			13
8			13.6364	13.6364		4200	2100			9
6		0.4	10	10		5075	3500	RIM-66B SM-1N		14
6		0.4	18.1818	18.1818	9800				移除	
8		0.4	7.5	7.5		5075	2100			14
6			33.3333	33.3333		2975				
12			25.2632	25.2632		5075	2800	HHQ-7		13
8			27.907	27.907		3500	2800			6.5
1			60	60		5075	4900			12
12			32.4324	32.4324		4025	4200			8
6		0.4	18.1818	18.1818		5075	3500			

最小反导射程(km) 链接	备注	短装填	长装填	速度备注
0.5				RIM-7M Sea Spar
2.5		0.4		2 SM2 MR block II
0.5				Crotale CN2, 和H
0.5				9K33M OSA-M
0.5	mk 13 mod4-7 装填时间8s, 发射			3 SM1 MR block V
				RGM-66D SSM-AI
0.5	https://baike.baidu.com/item/%E6%89%A9%E5%80%BC 施基利装填12秒 https://m.acfun.cn/v/?ac=25104304&type=article			4 9M317 M: Shtil-1
0.5				Strela-2M
0.5				HHQ-7
8	https://en.missil.info/ 匕首装填3秒			1 3K95 Kinzhal
4				9M311
				SM1 MR block V

	NAVAL GUN, CIWS, NAVAL AUTOCANNON RANGE		
	对地射程(km)	对空射程(km)	对直升机射程(km)
row		26	14
104000	104000	50	14
Q7, SM-2 B2 共享		13	13
		9	9
104000	104000	46	14
RM, now using P-270 speed module	74	移除	移除
SEE --> SAM-轻型		46	14
		13	13
		4.55	6.5
		12	12
		5.6	8

GE see other table

瞄准时间 散布角

HE

0.4	http://www.designation-systems.net/dusrm/m-7.l	
0.4		
0.2		
0.2		7
0.4	https://en.missilery.info/missile/standard-1	
0.4	42km, 60km ballistic range	12.01033485
0.4	->(using 9M317)(http://roe.ru/eng/ https://en.miss	9
0.2		6
0.2	https://en.missilery.info/missile/s	
0.2	https://en.missile	7
0.2		7

HE半径	压制	压制半径	武器类型	TypeArme	口径
html					
245	280	490			
316.4158837	727.7565324	632.8317673	反辐射, 非子母引	Anti-Radar	Antiradar
315	360	630			
eacat					
210	240	420			
245	280	490			
245	280	490			

40kg combat unit

60kg combat un <https://en.missilery.info/missile/standard-2>

<http://cmano-dl> 46KM

60kg cmbat unit

<http://cmano-dl> 74km

<http://cmano-dl> 46KM

70kg combat unit

数据录入：OO

MISSILE FLIGHT CONTROL COMPONENTS

武器名	武器Hash值	单位名	单位Hash值
KH-31A(Land)->KH-35	8B40B41500000000	BAL	57D7590B03000000
MM-40 Exocet(Land)	0A712D0000000000	BERLIET EXOCET	74FFE4AA1BDF2A03
RGM-84: MOBA	4572451C00000000	MOBA	0B935D0000000000
P-5S(10s)	387D05C8A0010000	REDUT	57D7E57AAA720000
P-15 TERMIT(Land)	AE7CAB9E21680000	KRK RUBEZH	57D7B5BF7AEA1C00
RGM-84: SEA BUSTER	4572451C00000000	SEA BUSTER	57D725895AFB1E00
RGM-84 HARPOON(x1)	4572451C00000000	OLIVER HAZARD	1E66F4AB7BABB7106
P-15 TERMIT(Ship)	AE7CAB9E21680000	KOMAR	B729D315000000000
RGM-84 HARPOON(x4)	4572451C00000000	KONGO	343BD315000000000
MM-40 EXOCET(x4)	41715D0000000000	LA FAYETTE	6A9EABEB99A1600
P-120 MALAKHIT	B1790583A0010000		
P-270 MOSKIT(ship)	387D05C8A0010000	SOVREMENNIY	FE3CABB27AEF7407
YJ-82->YJ-83	4390340000000000	hujian	
HAI YING-1J	94E09B1200000000		
MM-40 EXOCET(x1)	41715D0000000000	TYPE 21	AC7B43C2A0D6BE07
AM-39 EXOCET(Helo)	0A712D0000000000	AS 332F SUPER P	6AAD77D04010DD02
AS.15TT	9E6708DD02000000		
KH-31A(Helo)->KH-35V	8B40B41500000000	Ka-27PL-P	9AA5218359010000
SeaSkua	A60E77A6DA010000		
AGM-119B Penguin	8A205CD102000000	SH-60B ASM	A664AA1D141C5207
YJ-7R	9C10200D00000000		
C-802	0235020000000000	A-5	
AGM-84 Harpoon	4572450B00000000		
AS.34 kormoran	05D12D0000000000		
YJ-82K->YJ-83K	D590502300000000	Feibao	
KH-31A->KH-31AD	8B40B41500000000	MiG-29K	68AC439532B0EE05
YJ-8K->YJ-81	0935020000000000	Q-5B	
P-270 MOSKIT(Air)	387D05C8A0010000	Su-33	1532E81D00000000
AM-39 EXOCET(Air)	0A712D0000000000	SUPER ETENDARI	D7D3CD6AFED47A07
SEA EAGLE	ACF9986A07000000		
AGM-119A Penguin	8A205CD102000000	F-16A BLOCK 15	281D338700DDF40C
AS.34 kormoran 2	4341740B00000000		
YJ-83(新建)			

RGM-66D SSM-ARM

C771451C00000000

原版GUID	新武器名
00000000-0000-0000-0600-00004d090000	KH-35
00000000-0000-0000-0600-000016090000	MM-40
00000000-0000-0000-0600-00003c090000	RGM-84
00000000-0000-0000-0600-000086090000	P-5S(10s, 5min)
00000000-0000-0000-0600-000061090000	P-15
00000000-0000-0000-0600-00003d090000	RGM-84
00000000-0000-0000-0600-000080090000	RGM-84
00000000-0000-0000-0600-000060090000	P-15
00000000-0000-0000-0600-000081090000	RGM-84
00000000-0000-0000-0600-00005e090000	MM-40
00000000-0000-0000-0600-00005f090000	P-120
00000000-0000-0000-0600-000063090000	P-270
00000000-0000-0000-0600-00002b090000	YJ-83
00000000-0000-0000-0600-00003b090000	HY-1J
00000000-0000-0000-0600-00005d090000	MM-40
00000000-0000-0000-0600-000015090000	AM-39
00000000-0000-0000-0600-000018090000	AS.15TT
00000000-0000-0000-0600-00004c090000	KH-35V
00000000-0000-0000-0600-0000e090000	SeaSkua
00000000-0000-0000-0600-0000f8080000	AGM-119B
00000000-0000-0000-0600-00002a090000	YJ-7R
00000000-0000-0000-0600-0000ee090000	C-802
00000000-0000-0000-0600-000004090000	AGM-84
00000000-0000-0000-0600-000019090000	AS.34
00000000-0000-0000-0600-0000f0090000	YJ-83K
00000000-0000-0000-0600-00004a090000	KH-31AD
00000000-0000-0000-0600-0000ef090000	YJ-81
00000000-0000-0000-0600-000062090000	KH-41
00000000-0000-0000-0600-000014090000	AM-39
00000000-0000-0000-0600-0000df090000	SEA EAGLE
00000000-0000-0000-0600-0000f7080000	AGM-119A
00000000-0000-0000-0600-00001a090000	AS.34 Mk.2
00000000-0000-0000-0600-00002b090001	YJ-83
	RGM-66D
	RGM-66D(x2, 2.2 Mach)

0-9-A-F, G之后不允许

新武器Hash值	武器Hash值即唯一条件	原版反舰射程(m)	原版短装填
BBBA0000000000000000		5600	
BBBA0000000000000001		7000	
BBBA0000000000000002		7700	
BBBA0000000000000003		6300	
BBBA0000000000000004		4900	
BBBA0000000000000005		7700	
BBBA0000000000000006		8750	
BBBA0000000000000007		5250	
BBBA0000000000000008		8750	
BBBA0000000000000009		7000	1
	Y		
BBBA00000000000010		9450	
	Y		
	Y		
BBBA00000000000011		6125	
BBBA00000000000012		4900	
	Y		
BBBA00000000000013		4550	1
	Y		
BBBA00000000000014		4550	1
	Y		
	Y		
	Y		
	Y		
BBBA00000000000015		4375	0.4
	Y		
BBBA00000000000016		6300	
BBBA00000000000017		6125	
	Y		
BBBA00000000000018		4550	0.4
	Y		
BBBA00000000000019			

原版连发数	原版长装填	备注: !导弹DE 导弹尺寸
8	00000C Descrip	-0.5
4	20 00000C Descrip	-0.5
4	00000C Descrip	-0.5
1	20 00000C Descrip	-0.5
2	00000C Descrip	-0.25
6	00000C Descrip	-0.5
1	00000C Descrip	-0.5
1	00000C Descrip	-0.25
4	00000C Descrip	-0.5
4	30 00000C Descrip	-0.5
1	00000C Descriptor_Missile_P1	
1	00000C Descrip	-0.25
1	00000C Descrip	-0.5
1	00000C Descrip	-0.5
4	00000C Descrip	-0.5
2	00000C Descrip	-0.5
4	00000C Descrip	-0.5
2	00000C Descrip	-0.5
4	00000C Descrip	-0.5
2	00000C Descrip	-0.5
1	1 00000C Descrip	-0.25
1	00000C Descrip	-0.5
2	00000C Descrip	-0.5
2	00000C Descrip	-0.5
2	00000C Descrip	-0.5

速度模块备注	原初速	原加速度	原最大速度
shared with MIG-29K kh-31 in vanilla	20800	20800	156000
/Units/Ammo/Missiles/AM39_Exocet.Ase2	20800		
/Units/Ammo/Missiles/AGM_84_Harpoon	20800		
/Units/Ammo/Missiles/P270_Moskit_3M8	55000		
/Units/Ammo/Missiles/P15_Termit.Ase2N	20800		
/Units/Ammo/Missiles/AGM_84_Harpoon	20800		
/Units/Ammo/Missiles/AGM_84_Harpoon	20800		
/Units/Ammo/Missiles/P15_Termit.Ase2N	15600		
/Units/Ammo/Missiles/AGM_84_Harpoon	20800		
/Units/Ammo/Missiles/AM39_Exocet.Ase2	20800		
/Units/Ammo/Missiles/P15_Termit.Ase2N	20800		
/Units/Ammo/Missiles/P270_Moskit_3M8	26000		
change module to BAL KH-35's(1000kph)	26000		
/Units/Ammo/Missiles/P15_Termit.Ase2N	15600		
/Units/Ammo/Missiles/AM39_Exocet.Ase2	15600		
/Units/Ammo/Missiles/AM39_Exocet.Ase2	15600		
/Units/Ammo/Missiles/AS_15TT.Ase2NdfB	20800	20800	78000
change module to BAL KH-35's(1000kph)	26000		
/Units/Ammo/Missiles/Sea_Skua.Ase2Ndf	15600		
/Units/Ammo/Missiles/AGM_119_Penguin	15600		
/Units/Ammo/Missiles/C701R.Ase2NdfBin	20800		
/Units/Ammo/Missiles/Yingji_1J.Ase2NdfB	15600		
/Units/Ammo/Missiles/AGM_84_Harpoon	20800	20800	104000
/Units/Ammo/Missiles/AS_34_Kormoran.A	15600		
change module to BAL KH-35's(1000kph)	26000		
change module to P-270's(3000kph)	20800		
/Units/Ammo/Missiles/AM39_Exocet.Ase2	15600		
P-270, shared by 5 in vanilla	26000	26000	156000
/Units/Ammo/Missiles/AM39_Exocet.Ase2	15600		
/Units/Ammo/Missiles/Sea_Skua.Ase2Ndf	20800		
/Units/Ammo/Missiles/AGM_119_Penguin	15600	15600	78000
/Units/Ammo/Missiles/AS_34_Kormoran.A	20800		

使用飞豹的鹰击导弹描述器

change module to P-270's(3000kph)

5200 = 100 eugen spe 52000=1000 eugen speed

载机速度	初速度	导弹加速度	导弹最大速度	静止精度(%)
			54600	
		55000		65
				50
				65
				65
				65
				55
			54600	
				85
<hr/>				
		54600		
700	52000			70
900	52000	52000	140000	
		54600		

移动精度(%)	反舰射程(km)	对地射程(km)	最小对地射程(km)	备注	瞄准时间
5	120	450	23	450km射程, 中	10
5	80				
5	120				
65	120				
	80				
65	120				
	70				
	110				
	120				
	120				
	85				
55	70				
	60				
	15				
85	120				
	25				
	30				
	20				
	150				0.2
	150				0.2
	25				0.2
	150				0.2
70	140				0.2
	50				0.2
	150				0.2
	70				0.2
	110				0.2
	40				0.2
	35				0.2
	120				

mig29k 16100, kongo 12600, diff 3500, agm84 1645

武器类型	短装填	长装填	最近距离	连发数	原版单发补给
手动直射				8	250
手动直射				4	250
手动直射				4	250
手动曲射,高爆		300		1	250
手动直射				2	250
手动直射				6	250
手动直射				1	250
手动直射				1	250
手动直射				4	250
手动直射				4	250
手动直射				1	250
手动直射				1	250
手动直射				1	250
手动直射				1	250
手动直射				1	250
手动直射 · 导弹				4	250
手动直射				2	250
手动直射				4	250
手动直射				2	250
手动直射				4	250
手动直射				2	250
手动直射				2	250
<hr/>					
	1	1	1780	2	1000
	1	1	3080	2	1400
	1	1	1780	2	1300
	1	1	1780	2	1700
	0.4	0.4	2260	2	1000
	1	1	1780	2	1000
	0.2	0.2		1	2750
	0.2	0.2		1	1250
	0.4	0.4	1390	2	1600
	1	1	1780	2	1000
	1	1	3080	2	1600

导弹, 自动直射, 射后不理

0, diff 3850 48kt=300kph pegasus 46000, kongo 28600, sov 26000

平衡后单发补给	弹链补给量	直径(m)	长度(m)	体积(L)	HEAT
750	6000		0.42	4.4	776.16
750	3000				
750	3000				
1000	1000				
3000	6000				
750	4500				
750	750				
3000	3000	0.76	6.6	3812.16	
750	3000	0.35	4.6	563.5	
750	3000				
3000	3000	0.76	8.84	5602.72	
3000	3000	0.8	9.7	6208	
750	750				
750	750				
750	3000				20
750	1500				
750	3000				
750	1500				
750	3000				
750	1500				
750	1500				
1000	4000				
1400	5600	0.34	3.8	439.28	
1300	5200				
1400	5600				
1400	5600	0.36	5.2	673.92	
1000	4000	0.4	6	960	
2750	5500				
1250	2500				
1600	6400				
1000	4000				
1400	5600				
					20
		0.3	2.5	225	
		0.27	3.6	262.44	

现实装药(kg)	HE	HE半径	压制	压制半径	修正系数
145kg WH	4				
	1000	37	823	1893	1646
500kg WH					
155kg WH	4				
155kg WH	4				
840kg WH	10				
155kg WH	4	200		400	
165kg WH	4				
30kg WH	2				
30kg WH	2				
120kg WH	3				
29kg WH	2				
	4				
165kg WH					
110kg WH	3				
165kg WH	4				
320kg WH					
	4				
230kg WH					
120kg WH	3				
	4	200		400	

最大散布	最小散布	摩擦力	原射程	AP	发射平台
			5600	80	卡车
			7000->7700	80	卡车
			7700->11200	80	卡车
3640	3640	0.01	6300->11200	200	卡车
			4900->8400	160	卡车
			7700->11200	80	卡车
			8750->11200	80	舰船
			5250->8400	160	舰船
			8750->11200	80	舰船
			7000->7700	80	舰船
			6125->10500	160	舰船
			9450->11200	120	舰船
			8750	80	舰船
			6125->8750	100	舰船
				80	舰船
			4900->6300	60	直升机
		3850		40	直升机
			4550->5600	80	直升机
			4200->4550	40	直升机
			4550->4900	60	直升机
		4200		40	直升机
			4900	60	飞机
			5600-> 11200	80	飞机
			4200->4550	80	飞机
			5600	80	飞机
			4375->5950	60	飞机
			4550	60	飞机
			6300-> 11200	120	飞机
			6125-> 7700	60	飞机
			5250-> 10500	100	飞机
			->4900->5600	60	飞机
			4900->5250	80	飞机
					舰船

新UI图-对应武器备注	链接	miliwiki/wiki https://military-l 130km	missilery/missile https://en.missil
AM-39 EXOCET->MM-40 EXOCET			
		https://military-history.fandom.com/wiki/P-5_Pyatigorsk https://en.missil	
			https://en.missil
		https://military-l P15:40KM, P-15M: https://en.missil . https://en.missil https://en.wikipedia.org/wiki/Exocet https://en.missil	https://missilede https://military 100-120KM,
		https://military 85KM, ->approximate to 90km	
		https://military 50-70km depending on platform https://military , 15km, 280m/s,30kg warhead	
		https://military , for lynx helo, 25km, 30 kg warh	
Aim T:0.2->3		https://military.v , 20km, 0.8 mach,29kg warhead https://military , 120km(C-802)C802 165kg 战斗	
Aim T:0.2->3		120km?,vanilla total time before exac for 2=1.6s(1600m)Aim0.2s->4s, https://military.wikia.org/wiki/AS.34_Kormoran	
09350200000000 Aim T:0.2->3		https://military https://en.missile https://military.v 25-50KM https://military.v , 40KM(YJ-8, K = air launched)	https://en.missil https://en.missil
Aim T:0.2->3		https://military 120km(3M80E 1 https://missile) https://military.v 50-70km https://military.v , 110km https://en.missil	PenguinMk 3 (air launched version for norway f16), ↗ https://en.missil

<https://en.missil>

defense	designation	weapon sys	aus
130KM, KH-35, used by BAL, 280m/s, 145kg warhead			
tyorka	https://nuke.fas.org/nuke/guide/russia/theater/ss.htm		
320m/s max			
0.85mach		https://weapons.com/weapons/130KM/	120KI
, 513 KG WARHEAD			
, 155 KG WARHEAD, 72KMBLOCK2,			
305m/s max, 160 kg warhead		https://weapons.com/weapons/70KM/	
(500KG SAP HE, 840KG WARHEAD, 265m/s max		https://weapons.com/weapons/500KG/	(500KG SAP HE, 840KG WARHEA
1			
lead			
部			
shot reload 0.4, s	http://www.designation-systems.net/dusrm/m-65.html		
http://www.designation-systems.net/dusrm/m-65.html			
yj-8 series:			
, 120KM(3M80E from ship), 250km(3M80 from plane), max 950m/s			
, 110km, 230kg WH			
40km			

<http://www.designation-systems.net/dusrm/m-65.html>

<http://www.designation-systems.net/dusrm/m-65.html>

TG/OTHER LINK

It's actually called P-35 missile, 15-250km range 250km range probably at cruise altitude 7km

V (RGM-84A),

D)

<https://mil.news> 85KM, YJ-8A(C-801)

, 120km(yj-83==<https://www.defensemedianetwc> <https://new.qq.com/omn/20211012/2>
<https://cmano-d> IOC 2005, 120-1 <http://eng.ktrv.r> 120-160km
<https://www.wanweibaike.net/wiki-C-801>
<https://missilec> (120km) <https://www.bili> 2.2 mach low alt

[0211012A0CD4200.html](#)

WeaponT	武器名	武器Hash	WeaponC	WeaponD	WeaponF	WeaponK	WeaponH	Sta Acc	Mov Acc
AGM	AGM-65B Maveri	8C715CD:0000000C HE					23	0.4	0.4
AGM	AGM-65G Maveri	91715CD:0000000C HE					29	0.6	0.6
AGM	AGM-65E Maveri	8F715CD:0000000C HE					29	0.5	0.5
AGM	AS30	1F6939D:0000000C HE					30	0.35	0.35
AGM	AS-11	82D02D0:0000000C HEAT	20				1	0.35	0.35
AGM	AGM-65D Maveri	8E715CD:0000000C HE					23	0.5	0.5
AGM	AGM-12C Bullpup	8370450E:0000000C HE					19	0.3	0.3
AGM	AGM-65F Maveri	90715CD:0000000C HE					29	0.5	0.5
AGM	YJ-7	#####:0000000C HE					19	0.5	0.5
AGM	AJ 168	C921500E:0000000C HE					30	0.4	0.4
AGM	Kh-66	C7D1560:0000000C HE					25	0.3	0.3
AGM	Kh-23M	1731B41E:0000000C HE					28	0.5	0.5
AGM	Kh-25ML	C6D0560:0000000C HE					31	0.5	0.5
AGM	Kh-29D	8E32B41E:0000000C HE					33	0.5	0.5
AGM	GROM-B	CC95711:0000000C HE					27	0.6	0.6
AGM	Rb 05A	46C0700C:0000000C HE					16	0.5	0.5
AGM	Rb 75	06C2700C:0000000C HE					23	0.4	0.4
AGM	Kh-29L	9632B41E:0000000C HE					33	0.5	0.5
AGM	Kh-29T	9E32B41E:0000000C HE					33	0.5	0.5
AGM	AS30L	5640740E:0000000C HE					30	0.6	0.6
AGM	AGM-65C Maveri	8D715CD:0000000C HEAT	26				1	0.45	0.45
AGM	AGM-65D Maveri	8E715CD:0000000C HE					23	0.5	0.5
AGM	Kh-23	C4D0560:0000000C HEAT	28				1	0.3	0.3

Caliber	InitialSpeed	Acceleration	MaxSpeed	SpeedIns	导弹GUI	导弹DBN	Missile_N	SalvoLength	SalvoLength	ShotSimu
Electro-optical	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
Infrared	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
SALH	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
MCLOS	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
MCLOS	78000	78000	208000		00000000	Descripto	GameDat	2	2	1
Infrared	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
MCLOS	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
Infrared	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
TV guidar	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
MCLOS	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
SACLOS	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
SALH	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
SALH	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
Infrared	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
TV guidar	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
MCLOS	78000	78000	182000		00000000	Descripto	GameDat	1	1	1
Electro-optical	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
SALH	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
TV guidar	104000	104000	208000		00000000	Descripto	GameDat	2	2	1
SALH	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
SALH	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
Infrared	104000	104000	208000		00000000	Descripto	GameDat	1	1	1
SACLOS	104000	104000	208000		00000000	Descripto	GameDat	1	1	1

650002 红色为单狙

ShotRelo	ShotRelo	SalvoRelo	Aim	Real ROF	UI ROF	Ca Max	Anti-Max	Max	Anti-Max	原版导弹	导弹最大
0.4	0.4	2		50	50	5075				208001	
0.4	0.4	2		50	50	5075				208001	
1	1	1		60	60	5075				208001	
0.2	0.2	0.2		300	300	5075				208001	
		1		120	120	2800				208002	
0.4	0.4	2		50	50	5075				208001	
0.2	0.2	1		60	60	5075				208001	
0.4	0.4	2		50	50	5075				208001	
0.4	0.4	2		50	50	5075				208001	
1	1	1		60	60	4725				208001	
1	1	1		60	60	4550				208001	
1	1	1		60	60	4550				208001	
1	1	1		60	60	5075				208001	
0.4	0.4	2		50	50	5075				208001	
0.4	0.4	2		50	50	5075				208001	
		0.2		300	300	4025				182000	
0.4	0.4	2		50	50	5075				208001	
1	1	1		60	60	5075				208001	
0.4	0.4	2		50	50	5075				208001	
0.2	0.2	0.2		300	300	5075				208001	
1	1	1		60	60	3150				208001	
1	1	1		60	60	5075				208001	
1	1	1		60	60	2975				208001	

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现实速度 链接



数据录入：OO

武器名	新武器名	武器Hash值	武器Hash值即唯一性	导弹血量
AGM-45B SHRIKE		4671450B00000CY		新增
Kh-25 MPU		DA650C6D05000Y		新增
AS-37 MARTEL / AS-37 ARMAT		1C42740B00000CY		新增
KH-28		C9D05600000000(Y)		新增
AGM-78D Standard		0972450B00000CY		新增
ALARM		17B7580B00000CY		新增
KH-58		89D15600000000(Y)		新增
AGM-88 HARM		4972450B00000CY		新增
AGM-88 HARM				
YINGJI-91		82E2BEECEC8E0CY		新增
Kh-58u		9A40B41500000(Y)		新增
Kh-25MPU(HELO)		D6650C6D0500(Y)		新增
AGM-122 Sidearm		C3205CD10200(Y)		新增
BARB		16B3740FE88D0Y		新增
RGM-66D->RIM-66A		C771451C00000(Y)		新增
AGM-12C		8370450B00000CY		新增
AGM-65B		8C715CD102000(Y)		新增
AGM-65D		8E715CD102000(Y)		新增
AGM-65E		8F715CD102000(Y)		新增
AGM-65F		90715CD102000(Y)		新增
AGM-65G		91715CD102000(Y)		新增
AJ 168		C921500B00000CY		新增
AS-11		82D02D0000000(Y)		新增
AS30		1F6939DAC66C4IY		新增
AS30L		5640740B00000CY		新增
GROM-B		CC95711100000CY		新增
Kh-23M		1731B41500000CY		新增
Kh-25ML		C6D05600000000(Y)		新增
Kh-29L		9632B41500000CY		新增
Kh-29T		9E32B41500000CY		新增
Kh-66		C7D15600000000(Y)		新增
Rb 05A		46C0700000000CY		新增
Rb 75		06C2700000000CY		新增
YJ-7		0835020000000CY		新增

武器名	新武器名	原版GUID	武器Hash值	新武器Hash值
M2 Browning		00000000-0007-0000-0600-8C345CC82000	C33508B1A93B	
OTO Melara	OTO Melera 76(Radar)	00000000-0000-0000-060792791900000	0792791900000	

M982 Excalibur 0A6115C970010

备注	原版静止精度(%)	原版移动精度(%)	原版武器类型
1 ins, used by 2, it's TWIN M2, change hash to Dual M2			
1 ins, used by 2 command ships	25	25	

1001

武器Hash值即唯一·原版对地射程(m) 原版对直升机射程(m)

1225

1225

国家	单位名	单位Hash值	武器名	武器Hash值	原版GUID
			ATO-200	413064DE02000000	
			M10-8	49205C0000000000	
			All Tank Main Gun		
			NPLM Fire XL	HashDoesNotM	00000000-0000-
			NPLM Fire L	HashDoesNotM	00000000-0000-
			NPLM Fire M	HashDoesNotM	00000000-0000-
			NPLM S	HashDoesNotM	00000000-0000-
			NPLM XS	HashDoesNotM	00000000-0000-
			All ATGM	HashDoesNotMatter	
			All Naval Gun	HashDoesNotMatter	
			All CIWS	HashDoesNotMatter	
			All Naval SAM	HashDoesNotMatter	
			All Naval Autocannon	HashDoesNotMatter	
			All SSM	HashDoesNotMatter	
			Naval Dual M2	HashDoesNotM	00000000-0000-
			Mortar SMOKE	HashDoesNotMatter	
			PTA-Kanisteri 58	89B1781A00000000	
			100mm TankGun	HashDoesNotMatter	
			105mm TankGun	HashDoesNotMatter	
			115mm TankGun	HashDoesNotMatter	
			120mm NATO TkG	HashDoesNotMatter	
			LEW 120	22D5645C352E2109	
			L11A5	B3891A8B20580000	
			L30	0161010000000000	
			125mm TankGun	HashDoesNotMatter	
			152mm TankGun	HashDoesNotMatter	
			M135(20kg)	06215C0000000000	
BMP-3	8476310000000	2A70(3.5kg)		01B20C0000000000	
BMPT	9E76310000000	2A70		HashDoesNotMatter	
			PRAM vz.82(~3kg)	43722D9C06000000	
			T72M2 MODERNA KE	HashDoesNotV	00000000-0001-
			T72M2 MODERNA HE	HashDoesNotV	00000000-0000-
			2A72	03B20C0000000	00000000-0000-

苏联	BMD-1	2A28 Grom	327D47C9B00C0000
苏联	BMD-1P	2A28 Grom	
苏联	BMP-1	2A28 Grom	
苏联	BMP-1P	2A28 Grom	
苏联	BMP-1D	2A28 Grom	
苏联	BMD-1K		
苏联	BMP-1K		
捷克	BVP-1K		
捷克	BVP-1	2A28 Grom	
捷克	BVP-1P	2A28 Grom	
波兰	BWP-1	2A28 Grom	
东德	SPz BMP-1 SP-1	2A28 Grom	
东德	SPz BMP-1 SP-2	2A28 Grom	
东德	SPz BMP-1 P/c	2A28 Grom	
朝鲜	KORSHUN	2A28 Grom	
兔子	ZBD-86	2A28 Grom	
波兰	BWR-1D	2A28 Grom	
东德	BRM-1	2A28 Grom	
捷克	SVATAVA	2A28 Grom	
苏联	BRM-1K	2A28 Grom	
芬兰	BMP-1K KOPA		
芬兰	BMP-1	2A28 Grom	
芬兰	BMP-1 TJJ	2A28 Grom	

新武器名	原单位HP	原单位1炮塔武器0	原单位1炮塔武器1
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-0000-0600-0000e5070000
-0000-0600-0000e2070000
-0000-0600-0000e3070000
-0000-0600-0000e4070000
-0000-0600-0000e1070000

-0000-0600-0000ef030000

L31A7: L11A5

L31A7: L30

M123E1: M135

3OF70: 2A70

-0000-0600-000005040000
-0000-0600-0000dc060000

-0000-0600-0000fe060000



备注	备注2	链接	链接2
车载喷火			
车载喷火			
凝固汽油航弹， 特效半径300, 1s per burn			
喷火坦克， 特效半径250, 2s per burn			
燃烧火箭炮， 特效半径150, 2s per burn			
喷火器和小口径凝固汽油弹筒子， 特效半径50, 3s per burn			
火苗， 特效半径50, 4s per burn			
US/GER HESH		https://wiki.warthunder.com	
SA HESH(data guessed)		https://wiki.warthunder.com	
UK HESH		https://wiki.warthunder.com	
UK HESH		https://wiki.warthunder.com	
USSR/TC HE		https://wiki.warthunder.com	
1 ins HE, 1 ins depre	2400m max range, 14.5kg PE4 exp	https://warthunder.fandom.com	https://www.warthunder.com
1 ins HE, 1 ins depre			
1 ins HE	120mm MAIN GUN		https://www.armaholic.com

3 ins HE, 一堆车, , OV-15V (0.73kg)

<https://www.miaos>

3 ins HEAT, differ by ROF, in 主炮<17ap表

手动73滑

手动73滑

手动73滑(芬兰)

武器Hash值即唯一原版武器子类型	原版TypeArme	原版口径	原版初速度	新武器Hash值
Y				
Y	Main Gun			

ATGM
 Naval Gun
 CIWS
 Naval SAM
 Naval Auto-cannon
 SSM

纯烟雾弹 Mortar

nder.com/T-55A 纯高爆弹	Main Gun	100mm	140000
nder.com/IPM1 纯高爆弹	Main Gun	105mm	
nder.com/T-62M 纯高爆弹	Main Gun	115mm	
nder.com/M1A2 纯高爆弹	Main Gun	120mm	
纯高爆弹	Main Gun	120mm	
nder.com/Challe 纯高爆弹	Main Gun	120mm	
纯高爆弹	Main Gun	120mm	
nder.com/T-72B 纯高爆弹	Main Gun	125mm	
nder.com/M551 纯高爆弹	Main Gun	152mm	

Y

Y

Y

纯高爆弹

0A6115C970010

0.73 3 74 170 148

6.7 6 173 399 347

修正系数	对地射程(km)	最小对地射程(km)	静止精度(%)	移动精度(%)	最大散布
	0.5				182
	0.5				182
1	2.5				3640
1	7	2.1			3640
1	2.5		1	1 移除	

60 55

1

1.5

4550

40

4

20

最小散布	散布角	短装填	长装填	连发数	瞄准时间
91					2
91					2
182			30		6
182		7	7	4	7
移除	0.01		4		1.4

228

6

20

7

20

4

10

弹链补给量	初速度	火	武器类型	新UI图-对应武器备注
			自动曲射	
			自动曲射	

27000	自动曲射
36000	自动曲射
36000	自动直射, 无制导直射

27000

自动曲射

400

55000

子母弹，手动曲射，高爆

可选值为： 移除，新增

UI格子优先级---

TypeArme

摩擦力

噪音

稳定器改动

UI格子优先级

3
1
1
1
1
1
1

5

移除

Howitzer

首次更新专用

SalvoStockIndex 武器管理器名 武器管理器Salvo 武器管理器Salvo 原备弹

5

WeaponDescripti

2

1

5 BMP3	5	10
BMPT	5	12

武器名	武器Hash值	原版武器子类型	原版TypeArme	原版口径	原版初速度
68TR (OEA F1)	9C971C0000000	曲射			
68TR (OEA F1)	9C971C0000000	直射			
Dual AK-130-MF	DC151042B5380	(曲射			
Dual AK-130-MF	DC151042B5380	(直射			
Otobreda Comp	C82098A97A330	(曲射			
Otobreda Comp	C82098A97A330	(直射			
Dual Type 76-130	001211C48ED7B0	(曲射			
Dual Type 76-130	001211C48ED7B0	(直射			
Dual PJ-33A	0B41501A00000	(曲射			
Dual PJ-33A	0B41501A00000	(直射			
100 gun	AF89058100000	曲射			
100 gun	AF89058100000	直射			
Vickers Mark 8	097CA12E08000	(曲射			
Vickers Mark 8	097CA12E08000	(直射			
AK-176	0722540B00000	曲射			
AK-176	0722540B00000	直射			
OTO Melara Rac	0792791900000	曲射			
OTO Melara Rac	0792791900000	直射			

原版KE

原版HEAT

原版静止精度(%) 原版移动精度(%)

原版短装填

原版长装填



移动精度(%)	最大散布	最小散布	短装填	长装填	连发数
	3640	364			
	4550	455			
	3640	364			
	6370	637			
	4550	455			
	6370	637			
	4550	455			
	3640	364			
	3640	364			

瞄准时间	弹链补给量	初速度	火	武器类型	新UI图-对应武器
10			自动曲射 非子母弹		9C971C0000000
10			自动曲射 非子母弹		DC151042B53800
10			自动曲射 非子母弹		C82098A97A3300
15			自动曲射 非子母弹		01211C48ED7B00
10			自动曲射 非子母弹		0B41501A000000
15			自动曲射 非子母弹		AF890581000000
15			自动曲射 非子母弹		097CA12E080000
10			自动曲射 非子母弹		0722540B000000
10			自动曲射 非子母弹		07927919000000

备注	TypeArme	摩擦力	噪音	稳定器改动	UI格子优先级
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虽然是自动曲射，但是由于同炮塔的直射HEAT永不关，所以实际是对载具手动，对步兵自动

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SalvoStockInde 武器管理器名 武器管理器**Salvo** 武器管理器**Salvo** 原备弹

-1

-1

-1

-1

-1

-1

-1

-1

-1

国家	单位名	单位Hash值	武器名	武器Hash值	原版GUID
	JÄÄKÄRI '90	81E2DE266C9A1	Regular		
	PANSSARIJÄÄKÄF	E6EBDE268ECFA	Shock		
	PANSSARIJÄÄKÄF	8162E2F86C6A0C	Shock		
	RANNIKKOJÄÄKÄ	8102C3EE3C9B1C	Kk 62: 100 rds	of HashDoesNotMatter	
	BUFFALOS '85	E32775A37741D002			
	JÄÄKÄRI	EE6DC2A649010000			
	KAARTINJÄÄKÄRI	A6F9CE6E7E9B6605			
	JEOGOCKDAE '90	EAECDEE615281506			
	YUCKJEONDAE '9	E66D6A8152610000			
	JEOGOCKDAE	B83ABBB779551800			
	YUCKJEONDAE	E66D6A1506000000			
	RANNIKKOJÄÄKÄ	E64BC3B03BCF2C	Valmet M78: 75	HashDoesNotMatter	
	SASR	M60E3: 200 rds		HashDoesNotMatter	
	CHASSEURS	NF-1: 200 rds		HashDoesNotMatter	
	CHASSEURS '85	NF-1: 200 rds		HashDoesNotMatter	
	DELTA FORCE	M60E3: 200 rds		HashDoesNotMatter	
	COMMANDO-MARINE	AA-52: 200 rds		HashDoesNotMatter	
	LEGION	AA-52: 200 rds		HashDoesNotMatter	
	RIMa	AA-52: 200 rds		HashDoesNotMatter	
	SOCHONG-SU '85	M60: 200 rds		HashDoesNotMatter	
	HAEBYUNG	M60 'Shorty': 200 rds		HashDoesNotMatter	
	SOCHONG-SU	M60: 200 rds		HashDoesNotMatter	
	UDT/SEAL	M60 'Shorty': 200 rds		HashDoesNotMatter	
	RIFLEMEN	M60: 200 rds		HashDoesNotMatter	
	RIFLEMEN '90	M60: 200 rds		HashDoesNotMatter	
	HIGHLANDERS	C6: 250 rds		HashDoesNotMatter	
	MOTOSTRELKI '90	PKM: 250 rds		HashDoesNotMatter	
	ZHÀNSHÌ '85	Type 67: 250 rds		HashDoesNotMatter	
	ZHÀNSHÌ	Type 67: 250 rds		HashDoesNotMatter	
	CANADIAN RIFLES '85	C6: 250 rds		HashDoesNotMatter	
	CANADIAN RIFLES	C6: 250 rds		HashDoesNotMatter	
	FUSILIERS	L7A1: 250 rds		HashDoesNotMatter	
	GRENADIERS	FN MAG: 250 rds		HashDoesNotMatter	
	KUSTJÄGARE	Ksp m/58B: 250 r		HashDoesNotMatter	

KUSTJÄGARE '90	Ksp m/58B: 250 rds	HashDoesNotMatter
LEICHTE SCHÜTZEN	PKM: 250 rds	HashDoesNotMatter
MECHINF	FN MAG: 250 rds	HashDoesNotMatter
STRZELCY PODHALAŃSCY	PKM: 250 rds	HashDoesNotMatter
MORNARIČKA PEŠ.	M-84: 250 rds	HashDoesNotMatter
MORSKAYA PEKHOTA	PKM: 250 rds	HashDoesNotMatter
MOTOSTŘELCI	UK vz. 59: 250 rds	HashDoesNotMatter
MOTOSTRELKI	PKM: 250 rds	HashDoesNotMatter
NORRLANDSJÄGARE	Ksp m/58: 250 rds	HashDoesNotMatter
PADOBRANCI '90	M-84: 250 rds	HashDoesNotMatter
PANSARSKYTTE	Ksp m/58: 250 rds	HashDoesNotMatter
PANSARSKYTTE '90	Ksp m/58: 250 rds	HashDoesNotMatter
PARABAT '90	Mini-SS: 250 rds	HashDoesNotMatter
PARABAT	FN MAG: 250 rds	HashDoesNotMatter
BOKKOP '90	FN MAG: 250 rds	HashDoesNotMatter
ROVAIT '90	FN MAG: 250 rds	HashDoesNotMatter
LIGHT RIFLEMEN	M240: 250 rds	HashDoesNotMatter
SHAYETET 13	PKM: 250 rds	HashDoesNotMatter
STOOTTROOPEN	FN MAG: 250 rds	HashDoesNotMatter
PIECHOTA ZMECH.	PKM: 250 rds	HashDoesNotMatter
TZANHANIM	FN MAG: 250 rds	HashDoesNotMatter
TZANHANIM '95	FN MAG: 250 rds	HashDoesNotMatter
GORNOSTRELKI '90	PKM: 250 rds	HashDoesNotMatter
MORSKAYA PEKHOTA '90	PKM: 250 rds	HashDoesNotMatter
VDV '90	PKM: 250 rds	HashDoesNotMatter
GORNOSTRELKI	PKM: 250 rds	HashDoesNotMatter
LIGHT RIFLEMEN '90	M240: 250 rds	HashDoesNotMatter
VDV	PKM: 250 rds	HashDoesNotMatter
VÝSADKÁŘI	PKM: 250 rds	HashDoesNotMatter

DRAGONER	MG3: 250 rds	HashDoesNotMatter
FSK	I.MG3: 250 rds	HashDoesNotMatter
FALLSKJERMJEGER '90	I.MG3: 250 rds	HashDoesNotMatter
FALLSKJERMJEGER	I.MG3: 250 rds	HashDoesNotMatter
GEVÆRMENN '90	MG3: 250 rds	HashDoesNotMatter
GEVÆRMENN	MG3: 250 rds	HashDoesNotMatter
HÆR HJEMMEVÆRN	MG3: 250 rds	HashDoesNotMatter
JÄGER	MG3: 250 rds	HashDoesNotMatter
LIVGARDEN	I.MG3: 250 rds	HashDoesNotMatter
LIVGARDEN '90	I.MG3: 250 rds	HashDoesNotMatter
PANZERGRENADEIRE	I.MG3: 250 rds	HashDoesNotMatter
PANZERGRENADEIRE '90	I.MG3: 250 rds	HashDoesNotMatter

FALLSCHIRMJÄGER '90
FALLSCHIRMJÄGER
STORMER

I.MG3: 250 rds
I.MG3: 250 rds
I.MG3: 250 rds



新武器名	原单位HP	原单位1炮塔武器	原单位1炮塔武器	备注	备注2
		M72E9 LAW	Kk 62: 100 rds		10
		Raikka	Kk 62: 100 rds		10
		APILAS	Kk 62: 100 rds		10
		APILAS	Kk 62: 100 rds		10
		MILAN F1	RPD: 100 rds		15
		M72A4 LAW	RPD: 100 rds		10
		M72E9 LAW	RPD: 100 rds		15
		PG-7VR: Type 69-	RPD: 100 rds		15
		PG-7VR: Type 69-	RPD: 100 rds		10
		PG-7VS: RPG-7	RPD: 100 rds		15
		PG-7VS: RPG-7	RPD: 100 rds		10
		Raikka	Valmet M78: 75 rds		10
			Elite		10
			Regular		10
			Regular		10
			Elite		10
			Elite		15
			Shock		10
			Shock		10
			Regular		10
			Shock		15
			Regular		10
			Elite		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Regular		10
			Elite		15

Elite		15
Shock		10
Shock		10
Regular		10
Shock		10
Shock		15
Regular		10
Regular		10
Shock		15
Elite		10
Regular		10
Regular		10
Shock		10
Shock		10
Regular		10
Regular		10
Regular		10
Elite		10
Shock		10
Regular		10
Shock		10
Shock		10
Regular		10
Shock		15
Shock		10
Regular		10
Regular		10
Shock		10
Shock		10

Regular		10
Elite		10
Shock		15
Shock		15
Regular		10
Regular		10
Militia		10
Regular		10
Shock		10

Elite	10
Elite	10
Shock	10



链接

稳定器改动

UI格子优先级

SalvoStockIndex 武器管理器名

WeaponDescriptor

WeaponDescriptor

WeaponDescriptor

WeaponDescriptor

武器管理器Salvo 武器管理器Salvo 原备弹

or_Unit_Jaakari_90

or_Unit_Panssarijaakari

or_Unit_Panssarijaakari_90

2	20	2000
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or_Unit_Buffalos_85_SA

or_Unit_Jaakari

or_Unit_Kaartinjaakari

or_Unit_NK_90_Marines

or_Unit_NK_90_Para

or_Unit_NK_Marines

or_Unit_NK_Para

2	26	2000
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2	10	2000
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2	5	1000
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2	5	1000
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2	10	2000
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2	15	
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2	10	2000
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2	7	1500
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2	5	1000
---	---	------

2	10	
---	----	--

2	5	1000
---	---	------

2	10	2000
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2	5	1000
---	---	------

2	5	1000
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2	6	1500
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2	4	1000
---	---	------

2	4	1000
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2	4	1000
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2	4	1000
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2	4	1000
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2	4	1000
---	---	------

2	4	3000
---	---	------

2	12	3000
2	8	2000
2	6	1500
2	6	1500
2	6	1500
2	9	2430
2	4	1000
2	4	1000
2	8	2000
2	8	2000
2	4	1000
2	4	1000
2	7	1800
2	6	1500
2	6	1500
2	4	1000
2	6	1500
2	8	2000
2	6	1500
2	4	1000
2	6	1500
2	6	1500
2	9	2430
2	8	2000
2	6	1500
2	6	1500
2	8	2000
2	7	1750

2	5	1200
2	9	2400
2	14	3600
2	14	3600
2	5	1200
2	5	1200
2	4	1000
2	5	1200
2	7	1800
2	7	1800
2	7	1800
2	7	1800

2	9	2400
2	9	2400
2	7	1800

数据录入: OO

原口径	原射程	原散布	武器名	武器Hash值	新武器名
60	3850	2275	HB 60	B21C1CF94D5F0000	
60			HB 60	B21C1CF94D5F0000	HB 60 SMK
60	4200	2275	HB 60 LP	9A151CF94D5F0000	
60			HB 60 LP	9A151CF94D5F0000	HB 60 LP SMK
60	3850	2275	M224 mortar	B21C1CC5305C0000	
60			M224 mortar	B21C1CC5305C0000	M224 SMK
60	3850	2275	K1	CBF7459E0632E308	
60	3850	2275	K1	CBF7459E0632E308	K1 SMK
81	4900	2730	M29	CA70010000000000	
81	4900	2730	M29	CA70010000000000	M29 SMK
81	4900	2730	L16A2	8760010000000000	
81	4900	2730	L16A2	8760010000000000	L16A2 SMK
81	4900	2730	M-3	CE988516378AE106	
81			M-3	CE988516378AE106	M-3 SMK
82	4900	2730	M37	0871010000000000	
82	4900	2730	M37	0871010000000000	M37 SMK
82	4900	2730	T67	F94D5FC8E1010000	
82	4900	2730	T67	F94D5FC8E1010000	T67 SMK
82	4900	2730	2B9 Vasilek	B01ABBB809020000	
82			2B9 Vasilek	B01ABBB809020000	2B9 SMK
107	6300	3185	M30	C2205C0000000000	
107	6300	3185	M30	C2205C0000000000	M30 SMK
120	7700	2730	Denel 120mm	E0C24113C36D1A04	
120			Denel 120mm	E0C24113C36D1A04	Danel 120 SMK
120	7700	3640	Tampella	661CABB56C7A0000	
120	7700	3640	Tampella	661CABB56C7A0000	Tampella SMK
120	7700	3640	2S11 Tundscha	668BE2E9AC7B0000	
120	7700	3640	2S11 Tundscha	668BE2E9AC7B0000	2S11 SMK
120	7700	3640	PRAMvz.85	46722D9C06000000	
120			PRAMvz.85	46722D9C06000000	PRAM SMK
120	7700	3640	T64	F94D5FC5E1010000	
120	7700	3640	T64	F94D5FC5E1010000	T64 SMK
120	7700	2730	2R2M	D7C00D0000000000	
120			2R2M	D7C00D0000000000	2R2M SMK
120	7700	2730	AMOS	5D762D0000000000	
120			AMOS	5D762D0000000000	AMOS SMK
120	7700	2730	2A60 Nona	C1B10C0000000000	
120			2A60 Nona	C1B10C0000000000	2A60 SMK
120	7700	3185	2A51 Nona	82B10C0000000000	
120			2A51 Nona	82B10C0000000000	2A51 SMK
160	9100	3868	M-66	C771E5377D010000	

160

9100

3868 M-66

C771E5377D010000 M-66 SMK

106

M40 RR(2-5kg)	1C17141700000000	M40 RR HEAT
M40 RR	1C17141700000000	M40 RR HEAT
M40A1 RR	DAE431E32876E108	M40A1 RR HE: R
M40A1 RR	DAE431E32876E108	M40A1 RR HE: F
M40A1 RR	DAE431E32876E108	M40A1 RR HEAT
M40A1 RR	DAE431E32876E108	M40A1 RR HEAT
M40A1C RR	8DB004C505000000	
M40A1C RR	8DB004C505000000	M40A1C RR HEAT
ZIS-3(0.7-0.82kg)	4437910000000000	
ZIS-3	4437910000000000	ZIS-3 KE
L6 WOMBAT(~3kg)	B979CA7408000000	
L6 WOMBAT	B979CA7408000000	L6 WOMBAT HEAT
SPG-9(~1kg)	4AA4750000000000	
SPG-9	4AA4750000000000	SPG-9 HEAT
BZK VZ.59A(~1kg)	8AF1EF0000000000	
BZK VZ.59A	8AF1EF0000000000	BZK VZ.59A HEAT

Recoilless gun 66DBB934AA720000

Recoilless gun 66DBB934AA720000

T21 Tarasnice

新武器Hash值	原版GUID	备注	备注2	武器Hash值即唯一条件
		1 ins HE		
BBBD000000000000		1 ins SMK	SMK	
		1 ins HE		
BBBD000000000002		1 ins SMK	SMK	
		1 ins HE, 1 ins depre		
BBBD000000000003		1 ins SMK	SMK	
		1 ins HE		
BBBD000000000004		1 ins SMK	SMK	
		1 ins HE		
BBBD000000000006		1 ins SMK	SMK	
		2 ins HE(differ in UI)		
BBBD000000000007		2 ins SMK(differ in UI)	SMK	
		1 ins HE		
BBBD000000000008		1 ins SMK	SMK	
		1 ins HE		
BBBD000000000009		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000010		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000011		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000012		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000013		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000014		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000015		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000016		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000017		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000018		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000019		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000021		1 ins SMK	SMK	
		1 ins HE		
BBBD00000000000023		1 ins SMK	SMK	
		1 ins HE		

BBBBD0000000000025

1 ins SMK

SMK

	1 ins HE	
BBBBD0000000000026	1 ins HEAT	HEAT
BBBBD0000000000027	1 ins HE(日本)	NEW HE NAME
BBBBD0000000000028	1 ins HE(南非)	NEW HE NAME
BBBBD0000000000029	1 ins HEAT(日本)	HEAT
BBBBD0000000000030	1 ins HEAT(南非)	HEAT
	1 ins HE	
BBBBD0000000000031	1 ins HEAT	HEAT
	1 ins HE	
BBBBD0000000000032	1 ins KE	KE
	1 ins HE	
BBBBD0000000000033	1 ins HEAT	HEAT
	1 ins HE, 1 ins depre	
BBBBD0000000000034	1 ins HEAT, 1 ins depre	HEAT
	1 ins HE	
BBBBD0000000000035	1 ins HEAT	HEAT

00000000-0000-00(1 ins HEAT

BBBBD0000000000036 00000000-0000-00(1 ins HE

Infantry RR see “步兵无制导反坦克武器”

原版武器类型	原版武器子类型	原版HEAT	原版连发数	初速度	最大散布
	纯高爆弹			27000	4550
	纯烟雾弹				4550
	纯高爆弹			27000	4550
	纯烟雾弹				4550
	纯高爆弹			27000	4550
	纯烟雾弹				4550
	纯高爆弹			27000	4550
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	6370
	纯烟雾弹				4550
	纯高爆弹			27000	6370
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	7280
	纯烟雾弹				4550
	纯高爆弹			27000	7280
	纯烟雾弹				4550
	纯高爆弹			27000	7280
	纯烟雾弹				4550
	纯高爆弹			27000	7280
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			27000	5460
	纯烟雾弹				4550
	纯高爆弹			36000	7400

	纯高爆弹		27000	3640
		12		
	纯高爆弹		2	27000
	纯高爆弹		1	27000
		15	2	
		15	1	
	纯高爆弹		27000	3640
		15		
	纯高爆弹		27000	3640
动能弹				
	纯高爆弹		27000	3640
		14		
	纯高爆弹		27000	3640
		12		
	纯高爆弹		27000	3640
		12		

最小散布	修正系数	连射数	短装填	长装填	单发补给
2275	0.8	6	6	6	32
4550	0.8				
2275	0.8	6	6	6	32
4550	0.8				
2275	0.8	6	6	6	32
4550	0.8				
2275	0.8	6	6	6	32
4550	0.8				
2730	0.8	5	6	6	48
4550	0.8				
2730	0.8	5	6	6	48
4550	0.8				
2730	0.8	5	6	6	48
4550	0.8				
2730	0.8	5	6	6	48
4550	0.8				
3185	0.8	4	0.35		48
4550	0.8	8			
3185	0.8	4	7	7	64
4550	0.8				
2730	0.8	3	8	8	80
4550	0.8				
3640	0.8	3	8	8	80
4550	0.8				
3640	0.8	3	8	8	80
4550	0.8				
3640	0.8	3	8	8	80
4550	0.8				
3640	0.8	3	8	8	80
4550	0.8				
2730	0.8	3	8	8	80
4550	0.8				
2730	0.8	3	8	8	80
4550	0.8				
2730	0.8	3	8	8	80
4550	0.8				
3185	0.8	3	8	8	80
4550	0.8				
3700	0.8	3	10	10	96

4550

0.8

182

1

182

1

182

1

182

1

182

1

182

1

182

1

182

1

182

1

182

1

https://www.zhihu.com/question/269902570/ans	Mortar AOE Rad	1.4		
弹链补给量	链接	现实装药(kg)	HE	HE半径
192	http://www.vop.0.265g EBX, 2X I	0.4	3	85
192		0.4	3	85
192	https://www.uni 0.2kg	0.4	3	85
192		0.4	3	85
240		0.7	3	102
240	https://www.nammo.com/proc	0.7	3	102
240		0.7	3	102
240		0.7	3	102
240		0.7	3	102
192		0.7	3	102
256	https://weaponsystems.net/syste	2	5	145
240		2.7	5	160
240	https://www.nammo.com/proc	2.7	5	160
240		2.7	5	160
240		2.7	5	160
240		2.7	5	160
240		2.7	5	160
240		2.7	5	160
240		2.7	5	160
288	https://armamentresearch.com/f	5	6	197

<https://development.weaponsystems.net/system/343-DD01%20-%20M66>

	2.15	5	106
	2.15	5	106
	2.15	5	106
	2.15	5	106
	0.8	3.4	76
	3.1	5	120
	1	4	82
	1	4	82

压制	压制半径	对地射程(km)	最小对地射程(km)	瞄准时间	武器类型
195	170	3.85	0.77	6	自动曲射
		3.85	0.77	4	
195	170	4.2	0.84	6	自动曲射
		4.2	0.84	4	
195	170	3.85	0.77	6	自动曲射
		3.85	0.77	4	
195	170	3.85	0.77	6	自动曲射
		3.85	0.77	4	
235	205	5.7	1.14	6	自动曲射
		5.7	1.14	4	
235	205	5.7	1.14	6	自动曲射
		5.7	1.14	4	
235	205	5.7	1.14	6	自动曲射
		5.7	1.14	4	
235	205	5.7	1.14	6	自动曲射
		5.7	1.14	4	
235	205	5.7	1.14	6	自动曲射
		5.7	1.14	4	
235	205	5.7	1.14	6	自动曲射
		5.7	1.14	4	
334	290	6.8	1.36	7	自动曲射
		6.8	1.36	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
369	321	8	1.6	8	自动曲射
		8	1.6	4	
453	394	9.6	1.92	10	自动曲射

	9.6	1.92	5
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244	212	2.1	6 自动曲射
244	212	2.1	6 自动曲射
244	212	2.1	6 自动曲射
244	212	2.1	6 自动曲射
176	153	2.1	6 自动曲射
276	240	2.1	6 自动曲射
189	165	2.1	6 自动曲射
189	165	2.1	6 自动曲射

火

单位名	单位Hash值	单位类型	前价格	价格
AML 60	C1615D0B0000	迫击炮		20
AML 60/20	B1B9DF6A0700	迫击炮		25
LARO MORTIER	667ED3D7ADEE	迫击炮		25
ELAND 60	4F0871D053315	迫击炮		20
RATEL 60	93946998D5404	迫击炮步战车		20
81 MSP	DA420507D801	迫击炮		30
K281	55C609C950010	迫击炮		30
BISON 81MM	4232D3B8CB60	迫击炮		35
FV432(M)	D740142004000	迫击炮		30
RATEL 81	173845E4E8514	迫击炮		30
MT-LB PODNOS	B23C248CE55D	迫击炮		30
SM-82 M-60PM	97161CD7905C1	迫击炮		30
VTT-323 82MM	B23C24C440781	迫击炮		30
YW-304	93D41401118E0	迫击炮		30
MT-LB VASILEK	6AECE226C858C	迫击炮		40
107 MSP	DA420587D801	迫击炮	40	50
KM106	55C61D817055C	迫击炮	40	50
RATEL 120	1D839118C67D	迫击炮	60	70
PzMrs M113	C27204C205000	迫击炮	40	50
PZMRS HS.30	F84DCBB7FACFA	迫击炮	35	45
GW-SFL TUNDSCH	B21C0C820575C	迫击炮	40	50
TELAKRH 84	4522DD9519AB	迫击炮	40	50
SHM VZ.85 PRAM-	D7C269C1205C	迫击炮	40	50
VTT-323 120MM	723008C440781	迫击炮	40	50
YW-381	93D40809118E0	迫击炮	40	50
VPM 120	C1205C1A0800C	迫击炮	50	60
AMOS	4FD875D9B500C	迫击炮	65	75
2S23 NONA-SVK	E64C63C4D00D	迫击炮	50	60
2S9 NONA	E64C634A37000	迫击炮	45	55
MAKMAT	B929C3E605000	迫击炮	60	70

TELAKRH 66

C721DD9519AB 迫击炮

60

70



special variable for迫击炮 script only

原炮弹数	一轮弹数	高爆弹StockIndex	高爆弹SalvoCount	烟雾弹轮数	武器管理器名
66	6	0	5	3	Panhard_AML_60mm_SA
66	6	0	5	3	AML_60_20_Serv
120	6	0	10	5	Rover_Mortar_N
66	6	0	5	3	Eland_60_SA
42	6	0	3	2	Ratel_60mm_SA
140	5	0	14	7	SV_60_JAP
100	5	0	10	5	K281_ROK
90	5	0	8	5	CAN_Bison_81mm
160	5	0	16	8	FV432_M
150	5	0	14	8	Ratel_81mm_SA
85	5	1	9	4	MTLB_82mm
120	5	1	12	6	SM82_M60PM
120	5	1	12	6	VTT_323_82mm
120	5	1	12	6	YW_304_CHI
100	4	1	11	7	MTLB_Vasilek
72	4	0	8	5	SX_60_JAP
72	4	0	8	5	KM106_ROK
36	3	0	6	3	Ratel_120mm_SA
63	3	0	11	5	M106_A1
57	3	0	9	5	Panzermorter_H
60	3	0	10	5	GWSFL_120mm
60	3	0	10	5	TelaKrH_84
81	3	0	13	7	ShM120_PRAMS
60	3	1	10	5	VTT_323_120mm
51	3	1	9	4	YW_381_CHI
54	3	0	8	5	VPM_120
42	3	0	6	4	AMOS_SWE
39	3	0	7	3	2S23_Nona_SVK
39	3	0	7	3	2S9_Nona
42	3	0	6	4	Makmat

42

3

0

6

4 TelaKrH_66

0

sal

L

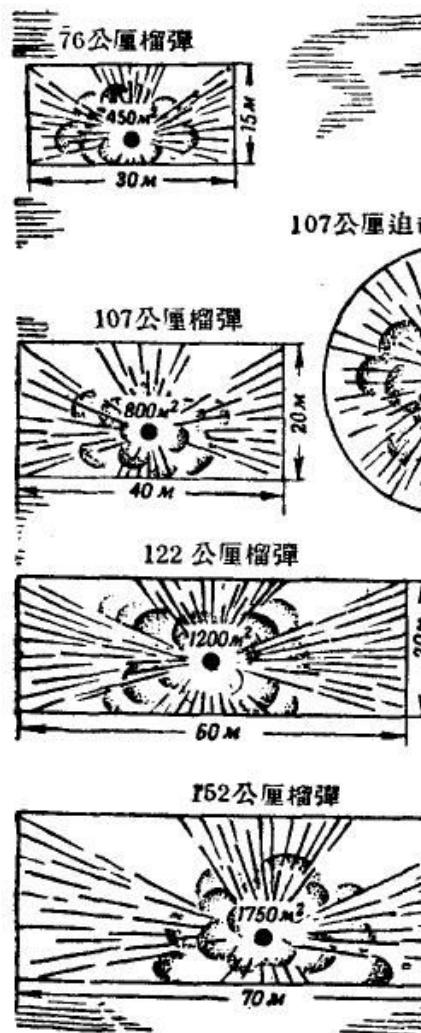
m

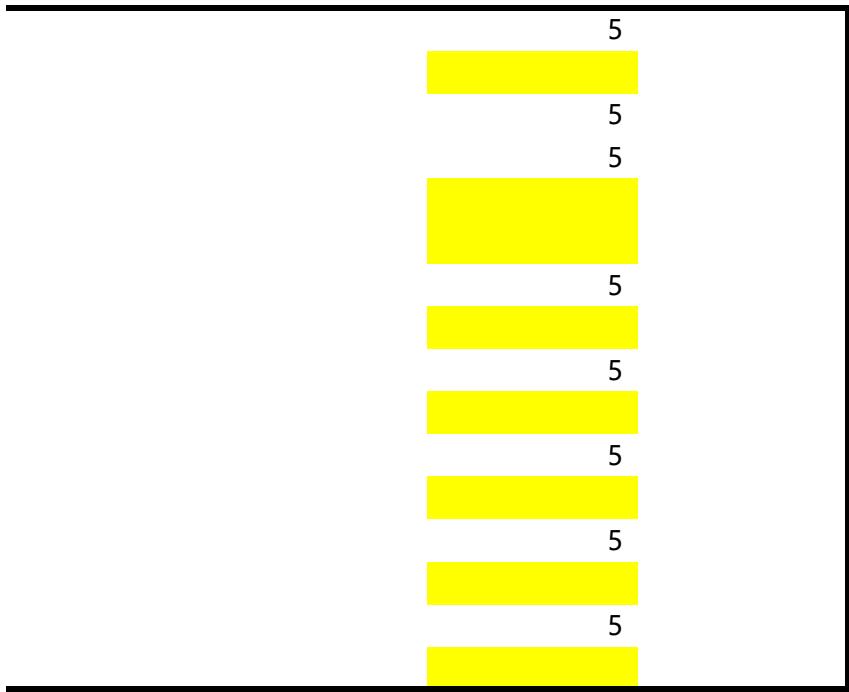
NK

A

S30
Tundsha

NK





单位名	单位Hash值	武器名	新武器名	备注
HARRIER GR.7(7	0817DDAA7BDF	GBU-12 Paveway II		227kg(Mk 82)
RA'AM	B269729321400	Mk-82 Griffin		227kg(Mk 82)
F-1	DA42091000000	GCS-1 M117		340kg
CHEETAH D2(900	91B889D2B884D	Mk-83 Griffin		500kg
Q-5D(750 speed)	668BCE26B64CC	LT-2		500kg (FAB 500M62)
KURNASS	386ECEB75E3DC	GBU-8/B HOBOS		1000kg
F-117 NIGHTHAW	79CBBA1822081	GBU-27/B Paveway III		1000kg
MIG-29 9-12A	64A30CAC7B01	ODAB-500		500kg温压
AVIA 28	C960BAFB0200	FAB 1500M54		1500kg
KFIR C.7	4873BB6B05000	M1118	M118	1400kg
B-5	15561A120000	3000-2(->FAB 3	FAB 3000M46	3000kg

Mk 20 Rockeye II	03CC05037C310000
Mk 20 Rockeye II	245kg CLUS
Mk 20 Rockeye II	
CBU-24	340kg CLUS
250-1	450kg CLUS
BLG-66 Beluga	450kg CLUS
TAL-2	450kg CLUS
CBU-87	450kg CLUS
IBL-755	450kg CLUS
BK90 Mjölnner	450kg CLUS(1 depre)
BL-755	
BL-755	8681580C00000000
BL-755	450kg
BL-755	
RBK-500	4160540C07000000
RBK-500	
RBK-500	500KG
RBK-500	CLUS
RBK-500	
250-1	250kg NPLM
M/58 Balk	340kg NPLM
Bidons spéciaux	340kg NPLM
PLAB 350	340kg NPLM

BLU1/B	340kg NPLM
NORTHICK II	340kg NPLM
Mk 77	340kg NPLM
Mk 77	
PTA-Kanisteri 58	500kg NPLM
ZB500	
ZB500	500KG
ZB500	NPLM
ZB500	
FAB 1000	1000kg
FAB 1000	
FAB 1000	
Mk 84	1000kg
Mk 84	
Mk 84	
Mk 83	500kg
Mk 83	
Mk 83	
Mk 83	500KG
Mk 83	
Mk 83	
Mk 83	
MC / GP Mk.10	
MC / GP Mk.10	500KG
MC / GP Mk.10	
FAB 500	FAB 500 M-62 500kg
FAB 500	
SAMP T200	400kg
SAMP T200	
SAMP T200	400kg HE
M117	340kg
M117	
M117	340kg HE
FAB 250	FAB 250 M-62 250kg

FAB 250	
Mk 82 Snakeye	1 depre ins
Mk 82 Snakeye	
Mk 82 Snakeye	227kg HE
Mk 82	

Mk 84	depre 1 ins
Mk 84	depre 1 ins
Mk 83	depre 1 ins
MC / GP Mk.10	depre 1 ins
FAB 500	depre 1 ins
Mk 82 Snakeye	depre 1 ins
Mk 82	depre 1 ins
Mk 82	depre 1 ins
SAMP T200	depre 1 ins

武器Hash值	武器Hash值即唯一原版GUID	原版口径	原版连发数	对地射程(km)
83F0311100000000	Y	SALH	4	14.8
B3BBAEEE1D010000	Y	SALH	4	14.8
88205C42D7440000	Y	SALH	2	14.8
19446DA4A541DB05	Y	SALH	2	14.8
8367010000000000	Y	SALH	2	14.8
C9C7440000000000	Y	Electro-optical	2	14.8
81F0311100000000	Y	SALH	2	18.5
4160308B93010000	Y	500kg	4	9
416008CC02010000	Y	1500kg	1	9
89205C0000000000	Y	1400kg	1	9
4110101506000000	Y	3000kg	1	9
<hr/>				
Y				
2				
4				
6				
8				
12				
<hr/>				
C5F0310D00000000	Y		5	
42600C8BA5010000	Y		4	
C711590C00000000	Y		6	
83B5780000000000	Y		6	
48F2310D00000000	Y		4	
868158CC04000000	Y		4	
57A0540C00000000	Y		4	10
<hr/>				
Y				
2				
4				
6				
<hr/>				
Y				
2				
4				
6				
8				
<hr/>				
8BA5D52606000000	Y		2	
4C625CA74C330000	Y		3	
6ADDE1339DBA0C00	Y		6	
8141308BA5010000	Y		4	

8CF0590C00000000	Y	5
30EAB6F94D630000	Y	3
08025FA74C330000	Y	
		2
		4
		5
		6
		8
89B1781A00000000	Y	4
4160302400000000	Y	
		2
		4
		8
411008CC02010000	Y	
411008CC02010000		1
411008CC02010000		2
45025F0C00000000	Y	
45025F0C00000000		4
45025F0C00000000		2
44025F0C00000000	Y	
44025F0C00000000		2
44025F0C00000000		3
44025F0C00000000		4
44025F0C00000000		6
44025F0C00000000		8
44025F0C00000000		10
4160341700000000	Y	
4160341700000000		2
4160341700000000		4
4160300B04000000	Y	
4160300B04000000		2
4160300B04000000		4
4160300B04000000		8
4160300B04000000		14
415068D7D2010000	Y	
415068D7D2010000		2
415068D7D2010000		8
88205C0000000000	Y	
88205C0000000000		8
88205C0000000000		12
8131300B04000000	Y	

8131300B04000000	2
8131300B04000000	4
8131300B04000000	8
8131300B04000000	30
<hr/>	
F08C0F097C310000 Y	
F08C0F097C310000	2
F08C0F097C310000	12
<hr/>	
43025F0C00000000 Y	
43025F0C00000000	4
43025F0C00000000	6
43025F0C00000000	8
43025F0C00000000	25
<hr/>	

1	
8	
12	
<hr/>	
1	
1	
8	
2	
12	
4	

	FAE HE FACTOR	0.7 NPLM HE FACT	0.5	
原HE值	现实装药(kg) HE	HE半径	压制	压制半径
10	102.66	17	385	886
10	102.66	17	385	886
12	216	22	494	1136
15	272.43	24	534	1227
15	340.8	26	575	1322
20	578.61	30	686	1578
20	578.61	30	686	1578
12	600	22	830	1909
24	675	32	722	1661
23	1010	37	826	1899
30	1350	40	910	2092

28	6	250	575	500
48.5	7	300	690	600
48.5	7	300	690	600
48.5	7	300	690	600

48.5	7	300	690	600
48.5	7	300	690	600
48.5	7	300	690	600
<hr/>				
115	9	400	921	801
115	9	400	921	801
<hr/>				
485	29	647	1487	1293
<hr/>				
578.61	30	686	1578	1372
<hr/>				
272.43	24	534	1227	1067
<hr/>				
218.08	22	495	1140	991
<hr/>				
340.8	26	575	1322	1150
<hr/>				
167	20	453	1043	907
<hr/>				
216	22	494	1136	988
<hr/>				
160	20	447	1028	894

102.66	17	385	886	771
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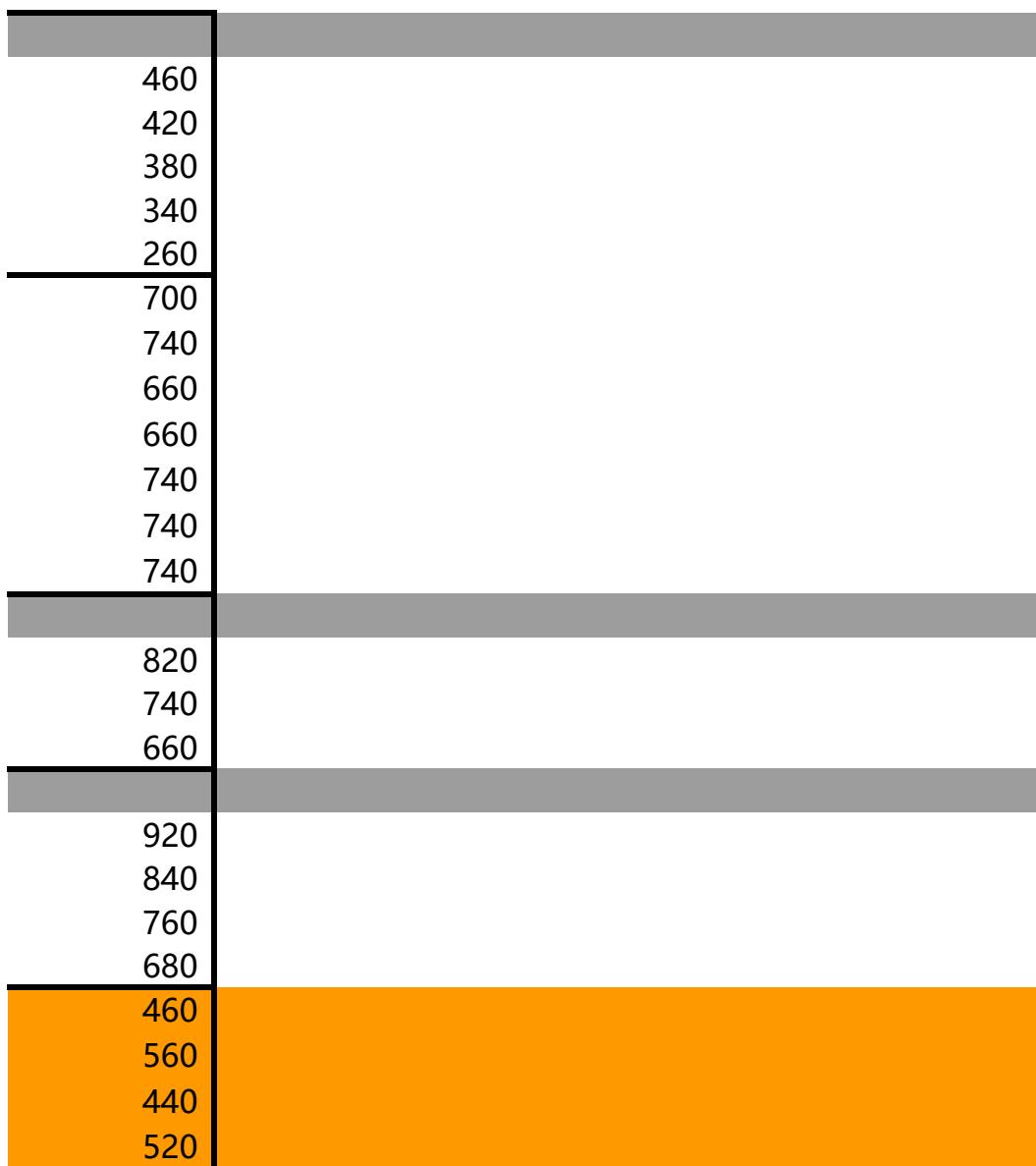
102.66	17	385	886	771
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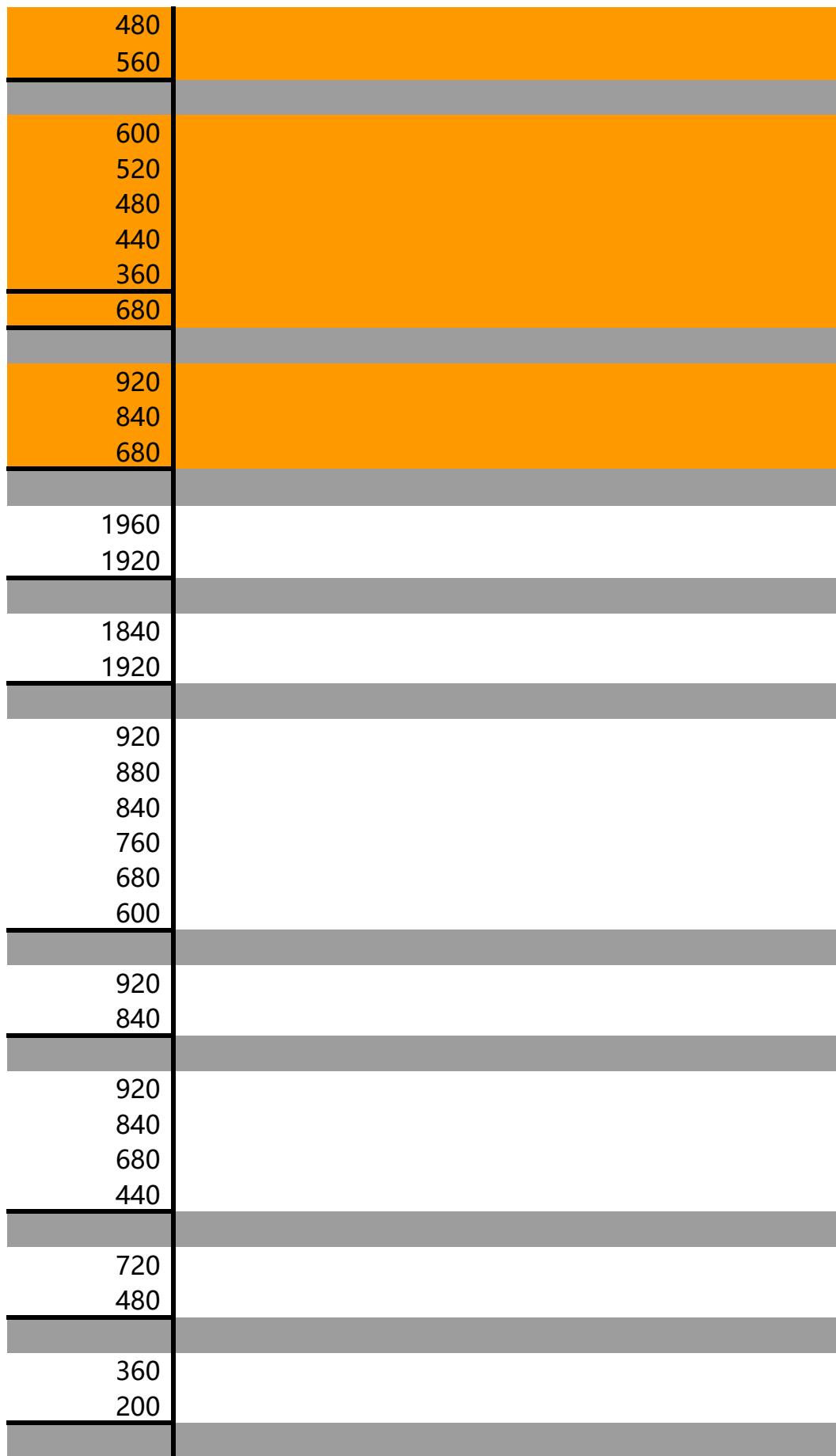
静止精度(%)	移动精度(%)	原版精度	最小散布	连发数	弹链补给量		
35	35	50->35	50	50	4000		
			50	50	4000		
			50	50	2400		
			50	50	3000		
			50	50	3000		
			65	2	3500		
			50	50	3500		
			50	50	5000		
			50	50	2000		
			50	50	2000		
			50	50	2500		
<hr/>							
			2	920			
			4	1680			
			6	2280			
			8	2720			
			12	3120			
<hr/>			5	3500			
			4	2960			
			6	3960			
			6	3960			
			4	2960			
			4	2960			
<hr/>			4	2960			
			2	1640			
			4	2960			
			6	3960			
<hr/>			2	1840			
			4	3360			
			6	4560			
			8	5440			
<hr/>			2	920			
			3	1680			
			6	2640			
			4	2080			

	5	2400
	3	1680
	2	1200
	4	2080
	5	2400
	6	2640
	8	2880
	8	5440
	2	1840
	4	3360
	8	5440
	1	1960
	2	3840
	4	7360
	2	3840
	2	1840
	3	2640
	4	3360
	6	4560
	8	5440
	10	6000
	2	1840
	4	3360
	2	1840
	4	3360
	8	5440
	14	6160
	2	1440
	8	3840
	8	2880
	12	2400

2	920
4	1680
8	2720
30	5000
<hr/>	
2	828
12	2568
<hr/>	
4	1496
6	2004
8	2352
25	4000

平均单发补给	武器类型	武器管理器名	武器管理器Sal	武器管理器Sa	游戏内原AOE≈
1000	非射后不理				
1000	非射后不理				
1200	非射后不理				
1500	非射后不理				
1500	非射后不理				
1750	射后不理				
1750	非射后不理	F117_Nighthawk		2	1
1250					
2000					
2000					
2500					







more bomb time 40 <=259kg 20

杀伤面积增至几倍 战斗部与装药重

<https://man.fas.org> 14.8km

<https://man.fas.org> 14.8km

<https://man.fas.org> 14.8km

429kg explosive <https://www.airt.com> mk-84 429kg ex <https://man.fas.org> 14.8km

429kg explosive <https://www.airt.com> mk-84 429kg ex <https://man.fas.org> 18.5km range

<http://cncc.bing> 675kg

856*1.18=1010kg <https://science.hanover.edu> tritonal, 18% more effective than <https://www.airt.com>

<http://cncc.bing> 1350kg 1400kg

<https://www.corpofscience.com> 1 T TNT = 0.1 T oil in energy

<https://forums.electrooptics.net> 10km forward at 50m height

<http://michaelhi> 474kg TNT

[https://wiki.warthunder.com/LDGP_Mk_84_\(2,000_lb\)](https://wiki.warthunder.com/LDGP_Mk_84_(2,000_lb))

[https://wiki.warthunder.com/LDGP_Mk_83_\(1,000_lb\)](https://wiki.warthunder.com/LDGP_Mk_83_(1,000_lb))

<http://www.wwii> 464*0.47

<https://combata> samp t200 nearly identical to sar 167kg

<https://wiki.wart> 206.62kg 183kg Tirtonal, 18% factor

WARTHUNDER 160KG

WARTHUNDER 117.59KG 87kg tritonal

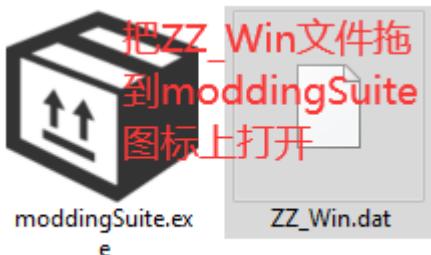
<http://www.desi> less accurate than LGB, but F&F

856kg tritonal thin-casing demolition bomb, less penetration

warthunder

<https://www.bilibili.com/read/cv4905217/>

首先在群里下载MOD代码批量修改的前置需求包，(包内为原版ZZ_Win.dat文件，方便南非之后代码更新M)



(如果打开为空白，可以直接双击moddingSuite打开)

Wargame Modding Suite

File Settings

ZZ_Win.dat DataMap.dat NDF_Win.dat

Path
pc\localisation\us\localisation\battlegroup.dic
pc\localisation\us\localisation\briefing.dic
pc\localisation\us\localisation\credits.dic
pc\localisation\us\localisation\event_popup.dic
pc\localisation\us\localisation\input.dic
pc\localisation\us\localisation\interface_ingame.dic
pc\localisation\us\localisation\interface_outgame.dic
pc\localisation\us\localisation\lang.dic
pc\localisation\us\localisation\loadsave.dic
pc\localisation\us\localisation\maps.dic
pc\localisation\us\localisation\options.dic
pc\localisation\us\localisation\trophies.dic
pc\localisation\us\localisation\tutos.dic

Dictionary editor [pc\localisation\us\localisation\unites.dic]

ZTZ-

Hash	Value
4B92901E09000000	ZTZ-88A
93D428880A000000	ZTZ-59-IIA
93D44C9362A80000	ZTZ-59-II
93D404895AFB1E00	ZTZ-80
93D424895AFB1E00	ZTZ-88B
93D44C8AA1D6BE07	ZTZ-59-I
CD324DCAA1D6BE07	Deprec! ZTZ-69-IIA
52334D41A2D6BE07	Deprec! ZTZ-80-II
CD324D46A2D6BE07	ZTZ-85-IIA
52334D46A2D6BE07	ZTZ-85-II

在这里输入单

左边这些就是名字

CD344D46A2D6BE07 | ZTZ-85-III

首先输入us\loc

us\loc

Size

153 kB

14 kB

2 kB

192 kB

1 kB

66 kB

123 kB

960 B

24 B

67 kB

25 kB

24 B

103 kB

-

□

×

单位，武器的名字

和对应的Hash值



国家	单位名	新单位名	备注/原因
	GORNOSTRELKI '95		
	GORNOSTRELKI '90		
	LEICHTE SCHÜTZEN '90		
	STRZELCY PODHALAŃSCY '90		
	BMPT		3OF70是2000年的
	BMD-3		原版16辆, 25ap 竞赛
	BMP- 2 Obr. 1986		原版16辆, 25ap 竞赛
	BMP-3		原版12辆, 22ap ARK.
	M2A2 BRADLEY IFV		原版12辆, 25ap TOW
	LVTP-7A1	AAV-7A1	
	WZ-550	AFT-9	
	WZ-551	ZSL-92	
	ZSD-90	ZSD-89	
	PATRIOT	PATRIOT PAC-3	
	ITO 96	ITO 96-9M317	
	9K37 BUK-M1	9K37 BUK-M1-2	
	9K37 BUK	9K37 BUK-M1	
	HQ-61A	HQ-61C	

MiG-31

SHANGHAI
051D LUDA
BAEK-KU

Mi-14PL
Ka-27PL-P

MiG-29K kh-31AD IOC 2005,

TOS-1 BURATINO

BAL
BERLIET EXOCET
MOBA
KRK RUBEZH
SEA BUSTER

FRP ROLAND 3
FRR ROLAND 3
AMX-30 ROLAND 3

Ka-50
Ka-52

Su-27Pu Su-30
Su-27K Su-33
Su-27M Su-35

F-15D

M728 CEV
CENTURION AVRE

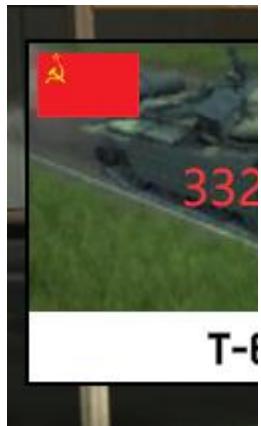
MARDER 1A3 MARDER 1A4 米兰2升级为ER
FV510 WARRIOR MILAN FV510 WARRIOR MILAN ER 米兰2升级为ER

J 35F DRAKEN 挂载从空地变为空空
J 35FS 挂载从空地变为空空

Mi-25 S-24 Mi-25 S13D FAE 1995年 S-13D
F-6C 挂载从空空变为空地
AVIA S-105 挂载从空空变为空地
MiG-21MF 1995年 S-13D
Su-25 1995年 S-13D
Su-25K(捷克) 1995年 S-13D

ZTS-63-II

ZTS-63-A



T-6



链接	单位Hash值	1985-, 1986+		年代	原价格
		原年代	年代		
	F34D4781D275DC07			2003	
	383DDF74D475DC07		1979	1992	15
	2DDAA9798BBAAA05		1984	1994	20
	B89FAB1700000000		1980	1993	15
https://zhuanlan.zhihu.com/	9E76310000000000			2000	
M, 70准, 2975	8473310000000000		1992	2002	25
M, 70准, 2975	8922DC273D681703		1986	2002	30
AN, 70准, 3325	8476310000000000		1987	2002	40
V-2A, 90准, 2975	6A9C9A37432CC305		1988	1993	35
	C282681E68010000				
	8302592400000000				
	8261902100000000				
	93D44C9392381D09				
	39EDDEB9A9010000		1990		
	8792791300000000		1993		
	C205EB0C42540A00		1984	1996	
	B0CE2044A5000000		1970	1983	
	C2B1490000000000		1988		
	3D0D0904EB5E0000				
	B3D976C3A1D6BE07				
	A96E0946A0D6BE07				
	83A157B06A6A0000				
	965608EE05000000		1988	1994	
	9AA5218359010000		1994		
CMANO	68AC439532B0EE05		1991	2004	
	6E6EDE3A23749907				
	57D7590B03000000		1994		
	74FFE4AA1BDF2A03				
	0B935D0000000000				
	57D7B5BF7AEA1C00				
	57D725895AFB1E00				

	1988	
	1988	
	1986	
	1987	1994
	1995	
5DC77D01A1770000		1995
1532E81D00000000		1998
B319431732E81D00		1993
2AECDE79F7180204	1988	160
E0D3240372010000		35
0F072E33EDDE7A0E		30
C422DC6A7A9B1700	1988	2005
D674714B08000000	1989	2004
904150B7739A6607	1965	60
1D64101400000000	1984	60
C5D0918D314C1700	1978	1995
B3E9CF6ADB310704	1957	1995
462074A6BB2F0000	1955	1995
56A6419730B0EE05	1972	1995
2C7D43C6A0770000	1981	1995
64531A83DE010000	1985	1995

52334DC4A1D6BE07

1995



Ship: Coastal support

80 舰艇

Flamethrower

0	4	0	2	0
0	8	6	0	0
0	8	6	0	0
0	16	12	0	0
0	6	4	0	0

180

75 火力支援车辆
70 火力支援车辆

40 空优战斗机
40 空优战斗机

70 反坦克机
70 反坦克机



WZ-550



HAMER MAPAT

武器名	新武器名	武器Hash值	卡数	工厂索引
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MIM-104C [Ripple Fire]ERINT PAC-3 45205CD305000000
9M38M1 [Ripple Fire]9M317 C295109702000000

Roland 3

Roland Mach 5

443A9B31CD010000

Igla-V

Igla-S

A019B31300000000



MERKAVA IID BAZ

隐蔽值

CIWS

原型

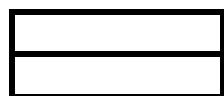
新增

移除

移除

国家	单位名	新单位名	备注/原因	链接	单位Hash值
	BMPT		30F70是2000年	https://zhuanlar	9E7631000000000
	COMMANDO-MARINE				B37B9B179D361C
	DELTA FORCE				2A7AD39099C7AA
	FALLSCHIRMJÄGER				2D8AC7B1092D10
	FALLSCHIRMJÄGER '90				781C9B50A02C10
	FJB-40				F2EDB6281EC726
	FKP				5A0501000000000
	FSK				550701000000000
	KOMANDOSI				2E4EA7B329D315
	KORPS MARINIER				B37B9B175EDF74
	KORPS MARINIER '95				8672ABEECDDE6
	KUSTJÄGARE				B7C9AAE69BE37A
	KUSTJÄGARE '90				8192E37A050000
	KÜTEI				B8799B9AB65000
	KÜTEI '90				B8799B5AA0680B
	LStR-40				9CD759000000000
	LÌ JIÀN				E94DF3DD243500
	LÌ JIÀN '90				E94DF35DA04C52
	PADOBRANCI				2E3A9BF749A7A6
	PADOBRANCI '90				8172D2A9A90100
	RANNIKKOJÄÄKÄRI				E64BC3B03BCF26
	RANNIKKOJÄÄKÄRI '90				8102C3EE3C9B1C
	ROYAL MARINES				743A9BB24C3717
	ROYAL MARINES '90				B24C37176724D5
	SAS				DDD201000000000
	SASF				0FB47021345218
	SASF '90				DFD2340F387AD0
	SASR				5CB77424B60000
	SHAYETET 13				8490ABB9EA9B6D
	SPETSNAZ				BF39E3B95A7700
	UDT/SEAL				9EF35519070000
	YUCKJEONDAE				E66D6A15060000
	YUCKJEONDAE '90				E66D6A81526100
	AYIT		1,10850		B9EB2F58B10000
	Su-7B		1,12600		0CA27700000000C
	CHEETAH D		1		9FC740D496318C
	F-5A PUFF		1,10850, <kurnass 2000		10F4698B010100
	JAGUAR A		1,12600		CB6DEAAC49010C
	Su-24		1.5,12600		B78ACE2A540C7A

EF-101B ELECTRIC VOODOO	1.5,10850	340D0A81003D0
Su-22M4P	1.5,12600	79EE42D730E81C
F-4G WILD WEASEL V	1,10850	B18A9B6A58400C
Su-22M4P	1.5,10850	5A710D83DE010C
EA-6B PROWLER	1.5,12600	B71AF3F4AD1DC
KURNASS 2000	1,12600	41100CB75E3D05
SEA HARRIER FA.2	1,12600	C302DDB729996,
JH-7A FEIBAO	1.5	B3E98A0B22510C
MiG-25BM	1.5	3D0D1903EB5E0C
TORNADO ECR	1.5	5CF3D09EB9DE0C
EF-111A RAVEN	2,12600	BBC90982003D0C
KF-16C BLOCK 52D	1.5	55C61D0254010C



Ka-52

AH-1W

REDUT

57D7E57AAA72C

BM-27 URGAN	苏联, HE 14	B3C99AF7870C1
RAKH 91	芬兰, HE 14	8222550B07000C
BM-30	苏联, CLUS 13	2D7AAB7217101
MFRW BM-27	东德, CLUS 11	8BC321C3C5000
M-87 ORKAN	南斯拉夫, CLUS 9	B309DF19925C0

MARS	德国, CLUS 11	1DB75C0000000C
M270	挪威, CLUS 11	191620C305000
M270 MLRS	英国, CLUS 11	D5D771D61520C
M270 LRM	法国, HE 14	1C747156800C1

LA FAYETTE		6A9EABBE99A1
TYPE 21		AC7B43C2A0D6C
FREMANTLE		6A9CCFA6ACDE
HATSUYUKI		2EACFB3A9E9B1
OLIVER HAZARD PERRY		E66F4AB7BABB7

M109A6 PALADIN

神剑

666C6AC7A204C

Pvgrp RBS 56	真实化射程后射程吃大亏	75ADD161740C
ATGM MILAN F3	真实化射程后射程吃大亏	CB00CD66EC5E17
ATGM MILAN F1		D06CC6EE7545DE
ATGM MILAN F2	ATGM MILAN ER 步兵27穿2625m65准, 没有同时代	03349BB17B5D00
MILAN 1		02842DD6740100
MILAN 2	MILAN ER 步兵	03842DD674551F
PALR MILAN		B329CB7495B226
PALR MILAN 2	PALR MILAN ER 步兵	4642A755CA9A14
CHU-MAT		DE72E96DA32D14
DORBAN-LR		9C359BE74D3B00
MILAN		D8624D17892D00

PALR FAGOT	PORS DRUG-M 24穿2625m70准	39CD9A10672D1A
PALR KONKURS		B70ECF74C5598B
PORS DRUG		AC7E3B1D976900
PORS FAGOT		39CD9A50C7651A
PPK KONKURS		F04C5795A60100
PPK FAGOT		39CD9A50A56900
PstOhj 94	21穿2450m80准	85F2B6598E6B00
PstOhj 82M		D790BC6D96E31A
BAN-TANK	BAN-TANK KON 朝鲜	39CD9A5085010
FAGOT		000
PTŘS KONKURS-M		3F7AE1B70ECF74
PTŘS KONKURS		3F8ADF3A3CD315
PTŘS FAGOT		39CD9A10000000
PTUR KONKURS-M	25穿2975m70准	B70ECF74D575DC
PTUR KONKURS		379DC326C47D9E
PTUR FAKTORIYA		39CD9A10F7791A

ILTIS MILAN 2 ILTIS MILAN ER 车辆 8335B917EEE6F
 P4 MILAN 2 P4 MILAN ER 车辆 1C34CC66EC5E8

000	90	55	145
000	90	55	145
000	100	50	150
000	100	50	150
B03	110	45	155
504	120	40	160
A07	120	40	160
000	150	15	165
000	150	15	165
000	150	15	165
000	160	10	170
000	160	10	170

0000		140
703		180 火箭炮
000		180 火箭炮
1703		170 火箭炮
0000		160 火箭炮
0000		140 火箭炮
0000		160 火箭炮
000		160 火箭炮
C305		160 火箭炮
700		180 火箭炮
1600		
BE07	135	100 舰艇
1000	100	80 舰艇
200	250	180 舰艇
'106		210 舰艇

1992

2004

	1982		30	20
	1993		25	15
02	1984	2004	20	25
00	1984	2004	20	25
05	1985	2005	20	25
00			25	
00				
00	1991		15	20
00				
00	1994		20	20
00	1987	2003	10	30
00	1992	2003	25	30
00	1991	2002	25	30
06				
00	1985	2005	25	25
	1985	2005	25	25

基础数量(菜鸟) 基础数量(受训) 基础数量(硬汉) 基础数量(老兵) 基础数量(精英) 武器名

3	0	2	0	0
3	0	0	2	0
3	0	2	0	0
3	0	2	0	0
2	0	0	0	1
2	0	0	0	1

2	0	0	0	1
0	2	0	0	1
2	0	0	0	1
2	0	0	0	1
2	0	0	0	1
2	0	0	0	1
2	0	0	0	1
2	0	0	0	1
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
2	0	0	0	1

0 2 0 1 0

新武器名	武器Hash值	卡数	工厂索引	隐蔽值
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2.5

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单位名	新单位名	备注/原因	单位Hash值	原年代	年代
VTT-323 IGLA			CB420C84E7810000		
Fla-SFL 23/4W1		雷达	B1DB76BF069B3104		
Fla-SFL 23/4M		雷达	57410C5F472E0E07		
Fla-SFL 2S6		雷达	9C09E3B3CECEBA07		
HIBNERYT ZU-23-2			1F99BBB73A9FBE04		
HIBNERYT ZUR-23-2S			DD90BBB73A9FBE04		
ITPSV SU-57-2			03627C1DD869DE04		
ITPSV MARKSMAN		雷达	387C9B17D869DE04		
M53/59 PRAGA			266BDE9A6210C605		
STROP 1			424DDF7907000000		
STROP 2			434DDF7907000000		
PGZ-80			CBA27541A2D6BE07		
PGZ-88		雷达	4942461A00000000		
PGZ-95	PGZ-04	雷达	93D4180A19690000		2004
SERGEI			AECADE6A07000000		
SERGEI MOD			4E76B92A7BAB1D00		
SPAT BOV 3			0498310000000000		
SPAT BOV 30			0101660C00000000		
SPAT FOKA		雷达	300D0D01E12D5A07		
TYPE 80 SPAAG			15162D8BD6050900		
ZSU-23-4 SHILKA			1566C2B1DB760500		
M1992 SPAAG			D1B268DDA028C205		
URAL ZU-23-2			C3407CE46FCA6605		
ZSU-23-4V1 SHILKA		雷达	6D278005317C1D09		
ZSU-23-4MZ BIRYUSA		雷达	B7CB5C05317C1D09		
2K22 TUNGUSKA		雷达	B8CECEBA370CD500		
2K22 TUNGUSKA	2K22 TUNGUSKA	雷达	3A3BEBDE350CI	1986	2002
ZSU-23-4V1 SZYŁKA		雷达,波兰	261CBB6D07000000		
SOPEL			B15AD31D00000000		
AMX-13 OEIL NOIR		雷达	4BE31082782D0000		
BTR-152 TCM			57E30D86C0790C00		
HOVET		雷达,20mm Vulc	B9BAD31200000000		
MACHBET		雷达,20mm Vulc	6DAE9E2D6A5E0000		
KM163		20mm Vulcan	55C6118770550000		
K263		雷达,20mm Vulc	55C611C750010000		
M163 VULCAN		20mm Vulcan	9DB380C2421CC205		
M163 PIVADS		雷达,20mm Vulc	9DB38093461CC205		
CENTURION MARKSMAN		雷达	A68CC3B779614B03		

CHEETAH PRTL	雷达	16D69AB9AAB60D00
CHEETAH PRTL A1	雷达	98B0B466AEAA6D03
FLAKPZ. GEPARD	雷达	E96DD66A04000000
FLAKPZ. GEPARD A1	雷达	C292DE66AD460000
FLAKPZ. GEPARD A2	雷达	C392DE66AD460000
FV434 FALCON		341A9B5041142004
CHIEFTAIN MARKSMAN	雷达	D5379B320EDF2600
CHALLENGER MARKSMAN	雷达	D5379B320EDFE605

GMC M450		81515CCD15010000
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K30 BIHO	雷达	55C6D1ADCB044405
LVKV fm/43		4421AF3BBC5B0000
VEAK 40	雷达	41512D0F08000000
LVKV 90	雷达	81B2C3BB05000000

M42 AAG		D4ADE6B8EE0CC505
GUNTANK		F9AC4748A2D6BE07
NM45		1966141706000000
OTOMATIC	雷达	CDE42D57E6650000
VAB VDAA	20mm, 2450m	CBE280CC02020000
YSTERVARK		5F365A4E455A9A08
BOSVARK		4DD641A1D5705708
ROOIKAT ZA-35	雷达	92338914C38DD405

原价格	降价	价格	单位类型	武器名	新武器名
40		10	30 高炮		
45		20	25 高炮		
50		10	40 高炮		
85		10	75 高炮		
15			15 高炮		
25		5	20 高炮		
25			25 高炮		
60		10	50 高炮		
20		5	15 高炮		
30		10	20 高炮		
60		10	50 高炮		
25			25 高炮		
35			35 高炮		
70		10	60 高炮		
15			15 高炮		
30		10	20 高炮		
30		10	20 高炮		
40		10	30 高炮		
55		10	45 高炮		
25			25 高炮		
30		10	20 高炮		
55		10	45 高炮		
15			15 高炮		
35		10	25 高炮		
50		10	40 高炮		
85		10	75 高炮		
100		10	90 高炮		
35		10	25 高炮		
45		10	35 高炮		
35		10	25 高炮		
25		10	15 高炮		
40		15	25 高炮		
60		15	45 高炮		
25		5	20 高炮		
40		15	25 高炮		
25		5	20 高炮		
40		15	25 高炮		
50		10	40 高炮		

45	10	35 高炮
55	10	45 高炮
45	10	35 高炮
55	10	45 高炮
65	10	55 高炮
30	10	20 高炮
60	10	50 高炮
70	10	60 高炮
10		10 高炮

55	15	40 高炮
10		10 高炮
40		40 高炮
50		50 高炮

15		15 高炮
55	10	45 高炮
15		15 高炮
80	10	70 高炮
30	10	20 高炮
15		15 高炮
15		15 高炮
60	10	50 高炮

武器Hash值	卡数	工厂索引	隐蔽值
			8

8
8

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数据录入： 正方形， OO

单位名	新单位名	备注
PATRIOT	PATRIOT PAC-3	美国 (120->130)
ITO 96	ITO 96-9M317	芬兰(85->110, 04300->03200)
9K37 BUK-M1	9K37 BUK-M1-2	苏联(85->110, 04300->03200)

RSPVO NEVA M1T		南斯拉夫(95->90) (光电)
M727 I-HAWK HEOS		荷兰 (75->80)(50光电)
EOTS I-Hawk (PIP II)		丹麦 (75->80)(50光电)
M727 I-HAWK PIP III		美国(80->85, 射后不理)
FRP ROLAND 2	FRP M727 I-HAWK PIP III	西德

NASAMS		挪威
RSPVO NEVA M1		南斯拉夫(90->80)
MAZ-543 NEWA-SC		波兰(90->80)
WZT-1 NEWA-SC		波兰
9K37 BUK	9K37 BUK-M1	苏联(->75)
KUB-M4		捷克 (65 acc)
HQ-61C		C国
NOAH		挪威(04300->06400)
SHENAV II		以色列(70->75)(55% acc)
M727 I-HAWK PIP II		韩国(70->80)
M727 I-HAWK PIP II		荷兰(70->80)
SHENAV		以色列 (60->75)(50% acc)
M727 I-HAWK		美国
M727 I-HAWK		韩国
M727 I-HAWK		荷兰
M/727 I-HAWK		丹麦
KAIRYOU HAWK		日本

ROOIKAT ZA-HVM		南非
AMX-30 ROLAND 3		法国(04300->06400)
FRR ROLAND 3		西德(04300->06400)
FRP ROLAND 3		西德(04300->06400)

OSA-AKM		捷克
Fla-Kom OSA-AKM		东德
9K33M3 ROMB		波兰

9K33 OSA-AKM		苏联
Fla-Kom TOR-M1	Fla-Kom TOR-M1	东德(80->65)
9K331 TOR-M1	9K331 TOR-M1	苏联
PŎN'GAE-2		朝鲜
ITO 79		芬兰
RBS 67 HAWK		瑞典
M/727 HAWK		丹麦
RZP KUB-M		波兰
RSPVO KUB-M		南斯拉夫
KUB-M		捷克
Fla-Kom KUB-M		东德
OSA-AK		捷克
Fla-Kom OSA-AK		东德
9K33 OSA-AK		苏联
9K33M2 ROMB		波兰
TRACKED RAPIER 2000	TRACKED RAPIER 2000	英国、澳大利亚
TRACKED RAPIER 2000	TRACKED RAPIER 2000	

下方列标题为关键词（请勿改动）

蓝色表示该单位在MOD中相比原版中有价格变动

单位Hash值	基础价格	价格	原年代	年代
39EDDEB9A9010000	130	120		1990
8792791300000000	110	100		1993
C205EB0C42540A00	110	100		1984

9E7099BB8A010000	95	90		
1636689306F3A604	90	85		
306F4A9D973D0000	90	85		
8406F3A6840CC805	90	85		
8B9571B79ADEE605	90	85	1981	1995

DDB5740B06000000	85	80		
97B9AB58066A1D07	80	75		
26AF62446190CB05	80	75		
26AF628247860000	80	75		
B0CE2044A5000000	75	70		

64535CA75E010000	75	70		
C2B14900000000000	60	55	1988	
D2926100000000000	70	65		
D3B49BB3DA760000	65	60		
9306F3A6840CC805	65	60		
823669306F4A0000	65	60		
BB39AB6D07000000	60	55		
306F4A1332201700	60	55		
1CCC9BD2840CC805	60	55		
18CC9BED840CC805	60	55		
0ECC9BD2840CC805	60	55		
DA42C1BC294D0000	60	55		

4B434961B5911807	70	65		
83832D56C6010000	60	55		
5C6A72B0C9993104	65	60		
849571B79ADEE605	65	60		

57B52C5D06000000	55	50		
57B52C5DB6381C00	55	50		
A74C73C445109502	55	50		

57B52C5D46109502	55	50		
8BC3DDB407000000	55	50	1991	1997
5DC77D37ED010000	55	50	1986	1995
E6AE62C620741506	55	50		
0A92791300000000	55	50		
306F4AC8D1311C00	50	50		
306F4AC8805C0000	50	50		
A75E0D4235000000	50	50		
17F35519A8751C00	50	50		
A75E0D4235FC2800	50	50		
A75E0D423598E90D	50	50		
D5B2741900000000	45	45		
D5B274D9E2700000	45	45		
D5B2741941540A00	45	45		
D5B2741913721A00	45	45		
4B07DDAA5B9B1C00	45	45	2000	
CBD241B7EAD62607	45	45	2000	

橙色表示该Hash值

原型	单位类型	基础数量(菜鸟)	基础数量(受训)	基础数量(硬汉)	基础数量(老兵)
新增	重防空	0	2	0	1
	重防空	0	3	2	0
	重防空	0	3	2	0
	重防空	0	3	2	0
	重防空	0	4	3	0
	重防空	0	4	3	0
	重防空	0	4	3	0
	重防空	0	6	4	0
	重防空	0	4	3	0
	重防空	0	4	3	0
重防空	重防空	0	6	4	0
	重防空	0	6	4	0
	重防空	0	6	4	0
	重防空	0	4	3	0
	重防空	0	4	3	0
	重防空	0	4	3	0
	重防空	0	6	4	0
	重防空	0	6	4	0
	重防空	0	6	4	0
	重防空	0	6	4	0
重防空	重防空	0	6	4	0
	重防空	0	6	4	0
	重防空	0	6	4	0
重防空	重防空	0	6	4	0
	重防空	0	6	4	0
	重防空	0	6	4	0

重防空	0	6	4	0
重防空	0	4	3	0
重防空	0	4	3	0
重防空	0	6	4	0
重防空	0	6	4	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	8	6	0
重防空	0	6	4	0
重防空	0	6	4	0

直在MOD中对应的名称有变化

基础数量(精英)	武器名	武器Hash值
0	MIM-104C	45205CD305000000
0	9M38M1	C295109702000000
0	9M38M1	C295109702000000
0	V-600PT	9E16040708000000
0	HEOS I-HAWK	5DF6480000000000
0	EOTS I-Hawk (PIP II)	9D973D0000000000
0	MIM-23B I-Hawk PIP III	306FB68406000000
0	Roland 2	433A9B31CD010000
0	AIM-120A AMRAAM	4B3008D7B4000000
0	V-600P	4170800000000000
0	V-600P	4170800000000000
0	V-600P	4170800000000000
0	9M38	9712900000000000
0	3M9M3	C57510C4A5000000
0	HQ-61C	C2B1490000000000
0	MIM-23B I-Hawk	306FB61300000000
0	MIM-23B I-Hawk PIP II	306FB61A00000000
0	MIM-23B I-Hawk PIP II	306FB61A00000000
0	MIM-23B I-Hawk PIP II	306FB61A00000000
0	MIM-23B I-Hawk	306FB61300000000
0	Roland 3	443A9B31CD010000
0	Roland 3	443A9B31CD010000
0	Roland 3	443A9B31CD010000
0	9M33M3	C345109702000000
0	9M33M3	C345109702000000
0	9M33M3	C345109702000000

θ 9M33M3	C345109702000000
θ 9K330	0141540A00000000
θ 9K330	0141540A00000000
θ V-600P	4170800000000000
θ V-600P	4170800000000000
θ MIM-23A Hawk	306F4A0000000000
θ MIM-23A Hawk	306F4A0000000000
θ 3M9	07415C0A00000000
θ 9M33M2	C3455C0A00000000
θ Rapier	B7EAD62607000000

	国家	单位名	新单位名	备注/原因	单位Hash值
红	美国	F/A-18E SUPERHORNET		AIM-120 X6	
蓝	美国	F-15C EAGLE		AIM-120 X4	
蓝	美国	F-16C BLOCK 52		AIM-120 X4	
蓝	美国	F-15D		AIM-120 X4, MOD新增	
蓝	荷兰	F-16A MLU		AIM-120 X4	
蓝	荷兰	F-16A BLOCK 15 OCU		AIM-120 X2	
蓝	西德	F-4F KWS		AIM-120 X3	
蓝	挪威	F-16AM		AIM-120 X4	
蓝	瑞典	JAS-39 GRIPEN		AIM-120 X4	
蓝	丹麦	F-16A MLU		AIM-120 X4	
蓝	韩国	KF-16C		AIM-120 X6	
蓝	韩国	KF-16C BLOCK 52D		AIM-120 X4	
蓝	英国	EUROFIGHTER TYPHOON		AIM-120 X4	

红	芬兰	F-18C		AIM-120 X6
红	芬兰	MiG-29 9.13		R-77 X2
红	苏联	Su-27Pu	Su-30	R-77 X6
红	苏联	Su-27K	Su-33	R-77 X6
红	苏联	Su-27M	Su-35	R-77 X4
红	苏联	YAK-141		R-77 X2
红	苏联	MiG-29M		R-77 X4
红	东德	MiG-29 9-13S		R-77 X2

原年代	年代	原价格	价格	单位类型
	1994	180		
	1987	170		
	1988	160		
		160->180		
	1992	160		
	1995	145		
	1992	140		
	1995	150		
	1996	150		
	1994	130		
	1994	160		
	1994	175		
	1995	170		
		125		
		180		
		165		
		200		
		140		
		145		
		150		

价格从低到高 每条线是该数量的最低价格

价格	基础数量(菜鸟)	基础数量(受训)	基础数量(硬汉)	基础数量(老兵)	
坦克价格	坦克基础数量(菜鸟)	坦克基础数量(受训)	坦克基础数量(硬汉)	坦克基础数量(老兵)	
5	0	24	18	0	
25	0	20	16	0	
40	0	16	12	0	
50	0	14	10	0	
60	0	12	8	0	
70	0	10	7	0	
90	0	8	6	0	
110	0	7	5	0	
125	0	6	4	0	
140	0	5	4	0	
150	0	4	3	0	
165	0	3	2	0	
180	0	2	0	1	

基础数量(精英)

坦克基础数量(精英)

步战车价格

步战车基础数量(+) 步战车基础数量(+)

0 [0,24,18,0,0],#5

15 24

20

0 [0,20,16,0,0],#25

25 20

16

0 [0,16,12,0,0],#40

35 16

12

0 [0,14,10,0,0],#50

40 14

10

0 [0,12,8,0,0],#60

55 12

8

0 [0,10,7,0,0],#70

0 [0,8,6,0,0],#90

0 [0,7,5,0,0],#110 #None in Vanilla

0 [0,6,4,0,0],#125 #110 in Vanilla

0 [0,5,4,0,0],#140 #125 in Vanilla

0 [0,4,3,0,0],#150 #140 in Vanilla

0 [0,3,2,0,0],#165 #150 in Vanilla

0 [0,2,0,1,0]]#180 #165 in Vanilla

步战车基础数量(基础)	步战车基础数量(精英)	侦察车辆价格	侦察车辆基础数量
16	12	8	35 0
12	8	6	60 0
8	6	4	80 0
7	5	4	0 0
6	4	3	0 0
			0 0 0
			0 0 0
			0 0 0
			0

侦察车辆基础数量	侦察车辆基础数量	侦察车辆基础数量	侦察车辆基础数量(精英)	主炮坦歼使用坦克 导弹坦歼价格
6	4	0	0	
5	4	0	0	
4	3	0	0	20
		0	0	25
		0	0	
		0	0	30
		0	0	40
		0	0	55
		0	0	
		0	0	
		0	0	
		0	0	
		0	0	

分界线

导弹坦歼基础数量 **导弹坦歼基础数量** **导弹坦歼基础数量** **导弹坦歼基础数量** **导弹坦歼基础数量(精英)**

0 0 0

0 0 0

0 20 16 0 0

0 16 12 0 0

0 0 0

0 12 8 0 0

0 8 6 0 0

0 6 4 0 0

0 0 0

0 0 0

0 0 0

0 0 0

0 0 0

舰艇分界线

舰艇价格	舰艇基础数量(菜鸟)	舰艇基础数量(受益)	舰艇基础数量(硬核)	舰艇基础数量(老鸟)	舰艇基础数量(精英)
30	12	10	8	7	6
40	8	7	6	5	4
50	7	6	5	4	3
55	6	5	4	0	3
100	5	0	4	0	3
120	4	0	3	0	2
150	3	0	2	0	1
210	0	2	0	0	1
400	0	0	1	0	0

高炮分界线

高炮价格	高炮基础数量(菜鸟)	高炮基础数量(受伤)	高炮基础数量(硬汉)	高炮基础数量(老鸟)
10	0	16	12	0
30	0	12	8	0
40	0	10	7	0
50	0	8	6	0
60	0	6	4	0
80	0	5	4	0
100	0	4	3	0

高炮基础数量(精英)	重防空分界线				
	重防空价格	重防空基础数量(↓)	重防空基础数量(↑)	重防空基础数量(↑↑)	重防空基础数量(↑↑↑)
0	10	0	10	8	
0	40	0	8	6	
0	55	0	6	4	
0	85	0	4	3	
0	110	0	3	2	
0	130	0	2	0	

重防空基础数量(重防空基础数量(精英))	0	0	榴弹炮分界线		
			榴弹炮价格	榴弹炮基础数量(少)	榴弹炮基础数量(多)
0	0	10	0	10	
0	0	60	0	8	
0	0	70	0	6	
0	0	80	0	4	
0	0	110	0	3	
1	0	135	0	2	

榴弹炮基础数量(基础)	榴弹炮基础数量(精英)	火箭炮基础数量(基础)	火箭炮分界线	火箭炮价格	火箭炮基础数量(精英)
8	0	0		80	0
6	0	0		90	0
4	0	0		110	0
3	0	0		170	0
2	0	0			
0	1	0			

火箭炮基础数量(基础)	火箭炮基础数量(精英)	火箭炮基础数量(精英)	火箭炮基础数量(精英)	攻击直升机分界线
4	3	0	0	攻击直升机价格
3	2	0	0	20
2	0	1	0	30
0	1	0	0	40
				50
				70
				90
				100

攻击直升机基础数 攻击直升机基础数 攻击直升机基础数 攻击直升机基础数 攻击直升机基础数量(精英)

0	9	7	0	0
0	8	6	0	0
0	7	5	0	0
0	6	4	0	0
0	5	4	0	0
0	4	3	0	0
0	3	2	0	0

轰炸机高度原版统一为525m

军械库顺序	单位类型	国家	单位名	价格	飞行速度
44 炸鸡	波兰	Su-7BKL	100	750	
47 炸鸡	苏联	YAK-38	70	600	
31 炸鸡	东德	MiG-21M	70	1000	
15 炸鸡	朝鲜	F-5	60	750	
27 炸鸡	捷克	L-29RS DELFIN	50	600	
79 多用途机	以色列	NETZ	135	1000	
72 多用途机	法国	MIRAGE 5F	100	900	
8 炸鸡	法国	ETENDARD IVM	45	600	
35 炸鸡	苏联	MiG-25RBT	105	1000	
33 炸鸡	东德	MiG-23BN	95	1000	
78 多用途机	苏联	MiG-29M	145	900	
32 炸鸡	苏联	MiG-21SMT	60	1000	
20 炸鸡	芬兰	J 35F	90	900	
36 炸鸡	南斯拉夫	N-62 SUPER GA	60	600	
10 炸鸡	挪威	CF-104	65	750	
11 炸鸡	澳洲	F-111C	140	1000	
55 多用途机	美国	F-15D EAGLE	160	1000	
61 多用途机	挪威	F-16A FIGHTING	125	1000	
70 多用途机	以色列	LAVI	150	1000	
46 炸鸡	南非	CANBERRA B(1)	110	750	
9 炸鸡	丹麦	F 35 DRAKEN W	120	900	
57 多用途机	荷兰	F-16A BLOCK 5	120	1000	
64 多用途机	澳大利亚	F/A-18A HORNE	125	1000	
83 多用途机	西德	TORNADO IDS	115	1000	
7 炸鸡	加拿大	CF-116 FREEDOM	70	750	
52 多用途机	美	AV-8A HARRIER	60	600	
2 炸鸡	美	A-6A INTRUDER	75	750	
14 炸鸡	韩国	F-4D PEACE PHANTOM	120	900	
75 多用途机	南非	CHEETAH E	120	900	
76 多用途机	澳大利亚	MIRAGE 111O(A)	65	900	
1 炸鸡	美	A-4F SKYHAWK	45	600	
63 多用途机	美国	F-4S PHANTOM	120	900	
6 炸鸡	澳洲	MB-339CB	90	750	
38 炸鸡	以色列	KFIR C.2	100	900	
16 炸鸡	韩国	F-5A	80	750	
39 炸鸡	丹麦	STARFIGHTER	80	750	
3 炸鸡	美	A-7E CORSAIR II	75	750	
17 炸鸡	日本	F-86F KYOKKO	60	750	
4 炸鸡	西德	ALPHA JET A	50	600	
5 炸鸡	澳洲	BAC STRIKEMASTER	50	600	
45 炸鸡	南非	VAMPIRE FB-52	50	600	

13 炸鸡	美	F-111F AARDVAC	120	1000
56 多用途机	丹麦	F-16A BLOCK 5	115	1000
53 多用途机	加拿大	CF-18 HORNET	125	1000
60 多用途机	美国	F-16C FIGHTING	140	1000
74 多用途机	南非	MIRAGE F1AZ	95	900
59 多用途机	美国	F-16A FIGHTING	100	1000
50 多用途机	韩国	A-37B DRAGON	70	600
65 多用途机	英国	HARRIER GR.5	100	750
18 炸鸡	英国	HARRIER GR.1	50	600
12 炸鸡	美	F-111E AARDVAC	130	1000
62 多用途机	日本	F-4EJ KAI	125	900
0 炸鸡	瑞典	A 32A LANSEN	60	750
82 多用途机	英国	TORNADO GR.1	130	1000
19 炸鸡	苏联	IL-102	180	750
34 炸鸡	东德	MiG-25RBF	140	1000
77 多用途机	苏联	MiG-29S	130	900
48 炸鸡	苏联	YAK-38M	70	600
25 炸鸡	南斯拉夫	L-15M	75	1000
67 多用途机	TG	J-7C	70	1000
66 多用途机	芬兰	HAWK 51	60	900
30 炸鸡	东德	MiG-17PF	55	750
42 炸鸡	波兰	Su-7B	60	750
28 炸鸡	捷克	L-39ZO ALBATROS	50	600
69 多用途机	捷克	L-39ZA ALBATROS	60	600
41 炸鸡	苏联	Su-24M	130	900
21 炸鸡	南斯拉夫	J-22 ORAO	70	750
43 炸鸡	波兰	Su-7BM	70	750
29 炸鸡	东德	MiG-17F	50	750
26 炸鸡	捷克	L-29R DELFIN	30	600
40 炸鸡	捷克	Su-22M4	100	750
68 多用途机	TG	J-7H	80	1000
58 多用途机	荷兰	F-16A BLOCK 1C	120	1000
80 多用途机	荷兰	NF-5A	90	750
37 炸鸡	荷兰	NF-5B	90	750
73 多用途机	法国	MIRAGE F1CT	145	900
22 炸鸡	南斯拉夫	NJ-22 ORAO	80	750
51 多用途机	朝鲜	A-5I	80	750
24 炸鸡	英国	JAGUAR GT.1	60	1000
54 多用途机	挪威	F-104G STARFIG	60	750
71 多用途机	法国	MIRAGE IIIC	100	900
81 多用途机	TG	Q-5IA	90	750
23 炸鸡	TG	J-5	60	750

Mk 20 Rockeye	12
Mk 20 Rockeye	12
Mk 20 Rockeye	8
Mk 20 Rockeye	6
Mk 20 Rockeye	6
Mk 20 Rockeye	4
Mk 20 Rockeye	2
Mk 82 Snakeye	2
MC/GP Mk.10	4
MC/GP Mk.10	2
M117	12
M117	8
M/58 Balk	3
IBL-755	4
FAB 500	14
FAB 500	8
FAB 500	4
FAB 500	4
FAB 500	2
BL-755	2
FAB 500	2
FAB 250	30
FAB 250	8
FAB 250	8
FAB 250	4
FAB 250	2
FAB 1000	2
FAB 1000	1
CBU-87	4
CBU-24	5
BLU1/B	5
BLG-66 Beluga	6
BL-755	6
BL-755	4
BL-755	2
BL-755	2
Bidons speciaux	6
250-1(CLUS)	4
250-1	2

射程

2156.454873

1725.163898

7423.923386

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静止精度

移动精度

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0.15	0.15

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0.2	0.1
0.2	0.2

0.25	0.05
0.25	0.1
0.25	0.15
0.25	0.25

0.3	0.05
0.3	0.1
0.3	0.15
0.3	0.2
0.3	0.3

0.35	0.05
	0.1
	0.2
	0.25
	0.35

0.35	0.05
0.35	0.1
0.35	0.2
0.35	0.25
0.35	0.35

0.4	0.05
0.4	0.1
0.4	0.15
0.4	0.2
0.4	0.25

0.4	0.3
0.4	0.35
0.4	0.4

0.45	0.05
0.45	0.1
0.45	0.15
0.45	0.2
0.45	0.25
0.45	0.3
0.45	0.35
0.45	0.4
0.45	0.45

0.5	0.05
0.5	0.1
0.5	0.15
0.5	0.2
0.5	0.25
0.5	0.3
0.5	0.35
0.5	0.4
0.5	0.45
0.5	0.5

0.55	0.05
0.55	0.1
0.55	0.15
0.55	0.25
0.55	0.3
0.55	0.35
0.55	0.4
0.55	0.45
0.55	0.5
0.55	0.55

0.6	0.05
0.6	0.1
0.6	0.15
0.6	0.2
0.6	0.25
0.6	0.3
0.6	0.35
0.6	0.4
0.6	0.45
0.6	0.5
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0.6	0.6

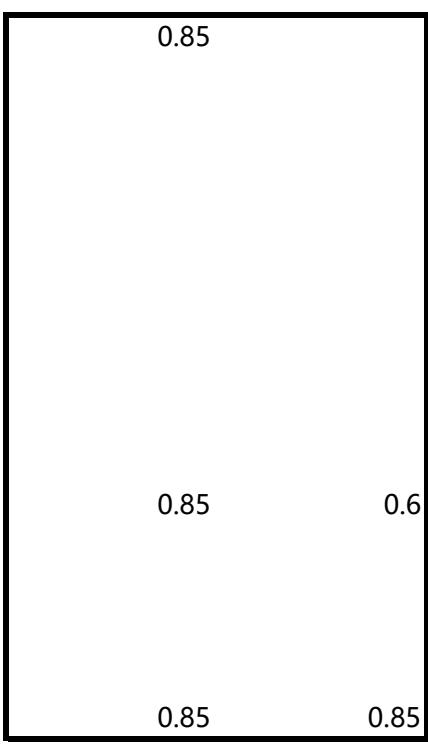
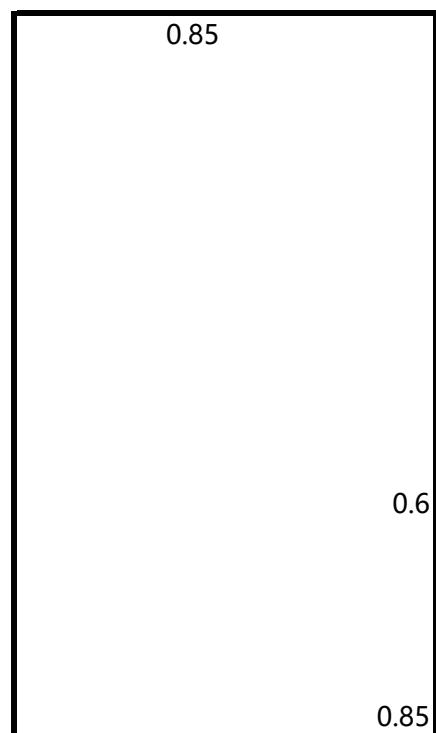
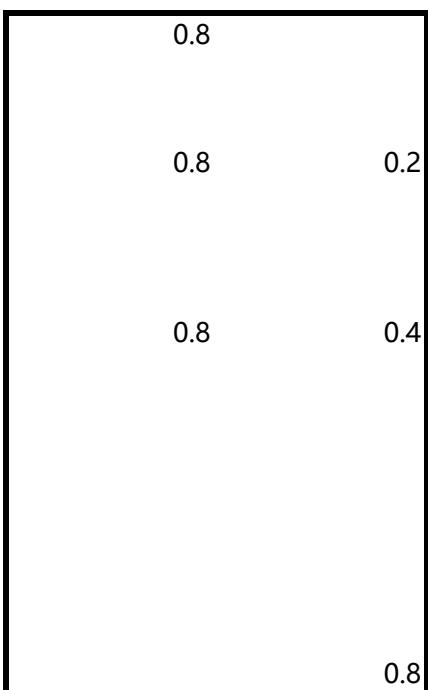
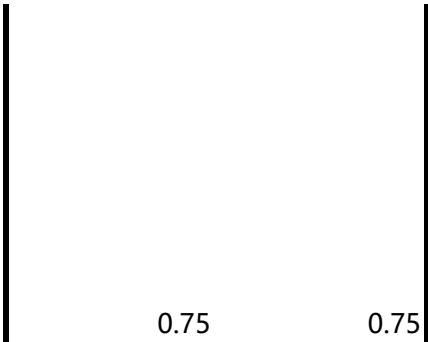
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0.6	0.3

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0.6	0.4
0.6	0.45
0.6	0.5
0.6	0.55
0.6	0.6

0.65	0.05
0.65	0.3
0.65	0.35
0.65	0.45
0.65	0.5
0.65	0.55
0.65	0.6
0.65	0.65

0.7	0.05
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0.75



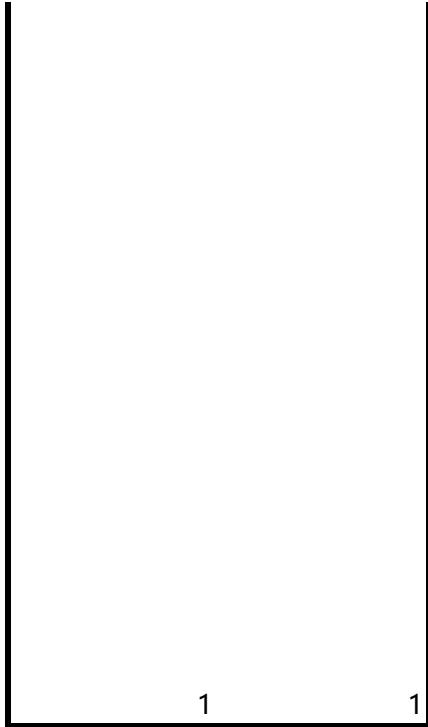
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0.95

0.2

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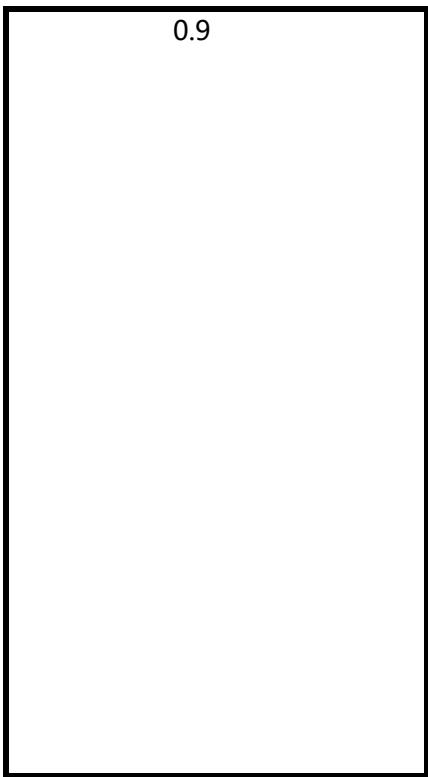
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0.1	
0.2	

0.4	0.05
0.1	
0.15	
0.2	
0.25	
0.3	
0.35	
0.4	
0.5	

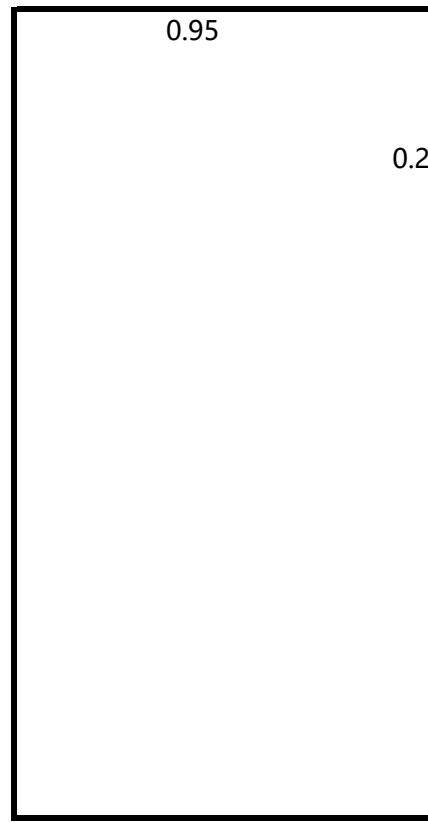
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0.1	
0.15	
0.2	
0.25	
0.3	
0.35	
0.4	
0.45	

0.65	0.05
0.3	
0.35	
0.45	
0.5	
0.55	
0.6	
0.65	

null	0.7	0.05
	0.35	
	0.4	
	0.5	
	0.6	
	0.65	
	0.7	



0.9



0.95

0.2

0.25	0.05
0.1	
0.15	
	0.25

0.5	0.05
0.1	
0.15	
0.2	
0.25	
0.3	
0.35	
0.4	
0.45	
0.5	

0.75

0.75
0.85

1

1

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口径名	口径Hash值	新口径名	武器类型名
57mm	B28C1800000000000		HE Bomb
40mm	B21C1400000000000		Retarded HE Bom
40mm radar	A9C9C97250000000		Laser Guided HE
37mm	B28C1000000000000		Napalm Bomb
37mm radar	A9C9C93242000000		AT Cluster Bom
35mm	B26C1000000000000		
35mm radar	A9C9C9B241000000		Howitzer
30mm	B21C1000000000000		Mortar
30mm radar	A9C9C97240000000		MLRS
27mm	B28C0C00000000000		
25mm	B26C0C00000000000		ATGM
25mm radar	A9C9C9B231000000		AGM
23mm	B24C0C00000000000		Anti-Radar
23mm radar	A9C9C93231000000		
20mm	B21C0C00000000000		AAM
20mm radar	A9C9C97230000000		SAM

7,62mm	B23C1C2502000000	Naval Gun
7,7mm	B28C940800000000	Naval Auto-cann
5,45mm	B26C14A501000000	Autocannon
7,92mm	B23C282502000000	Twin Autocanno
76mm	B27C2000000000000	Quad Autocann
100mm	B21C0402000000000	Gatling Gun
105mm	B26C0402000000000	CIWS
114mm	B25C0802000000000	SSM
115mm	B26C0802000000000	Main Gun
120mm	B21C0C02000000000	Naval SAM
125mm	B26C0C02000000000	HMG
127mm	B28C0C02000000000	MMG
130mm	B21C1002000000000	Howitzer
152mm	B23C1802000000000	LAW
240mm	B21C1403000000000	SAW
雷达	B7999A1C000000000	
半主动雷达	B7999AB7D9010000	Mortar
红外	A97A9BF73A4F0000	
70mm 特殊	DEF248B21C200000	70mm KE
82mm	B23C2400000000000	

83mm B24C2400000000000
93mm B24C2800000000000
73mm HEAT DEF248B24C200000
80mm HEAT DEF248B21C240000
82mm HEAT DEF248B23C240000
83mm HEAT DEF248B24C240000
105mm HEAT DEF248B26C040200
130mm HEAT DEF248B21C100200
Napalm 726CD62606000000

122mm B23C0C02000000000
70mm B21C2000000000000

Electro-optica B189BA794DC70F00
Antiradar A979BBF96C020000

93mm HEAT B24C2800000000001
132mm HEAT DEF248B21C100202
80mm FAE DEF248B21C240001
83mm FAE DEF248B24C240001
105mm FAE DEF248B26C040201
130mm FAE B21C100200000001
122mm FAE B23C0C0200000001

20mm CIWS A9C9C97230000001
30mm CIWS A9C9C97240000001
37mm CIWS A9C9C93242000001
40mm CIWS A9C9C97250000001

武器类型Hash值	武器类型代码
A74C330000000000	HEBombTypeArme = "A74C330000000000"
A74C33B9CA010000	RetardedHEBombTypeArme = "A74C33B9CA010000"
32E3EA116E5A0000	LGBTTypeArme = "32E3EA116E5A0000"
A74C33B589010000	NapalmBombTypeArme = "A74C33B589010000"
A74C337ADC000000	ATClusterBombTypeArme = "A74C337ADC000000"
B7FAE72E4F4B0000	HowitzerTypeArme = "B7FAE72E4F4B0000"
B799DFF405000000	MortarTypeArme = "B799DFF405000000"
E8AC9B56C95D0000	MLRSTypeArme = "E8AC9B56C95D0000"
57E42D000000000000	ATGMTYPEArme = "57E42D000000000000"
57B400000000000000	AGMTYPEArme = "57B400000000000000"
DC0200000000000000	AntiRadarTypeArme = "DC0200000000000000"
D7B20000000000000	AAMTypeArme = "D7B20000000000000"
D7D20100000000000	SAMTypeArme = "D7D20100000000000"
B31E95BB89010000	NavalGunTypeArme = "B31E95BB89010000"
74AE2FE56E620000	NavalAutocannonTypeArme = "74AE2FE56E620000"
F46CA274AE2F0000	AutocannonTypeArme = "F46CA274AE2F0000"
74AE2FE5ECF21E00	TwinAutocannonTypeArme = "74AE2FE5ECF21E00"
74AE2F656AEA1B00	QuadAutocannonTypeArme = "74AE2F656AEA1B00"
ECECC6B919010000	GatlingGunTypeArme = "ECECC6B919010000"
5D3835000000000000	CIWSTypeArme = "5D3835000000000000"
57D70100000000000	SSMTypeArme = "57D701000000000000"
B31E95B36B5E0000	MainGunTypeArme = "B31E95B36B5E0000"
D7D295BB89010000	
D125010000000000	
D175010000000000	
B7FAE72E4F4B0000	
E162010000000000	
E1D2010000000000	
B799DFF405000000	

单位主要类型	单位主要类型Hash值	新武器名	新武器Hash值
MBT:<45	42852D5E192D1E00	93mm HEAT	B24C280000000001
MBT:45-85	43852D5E192D1E00	132mm HEAT	DEF248B21C100202
MBT:>85	44852D5E192D1E00	80mm FAE	DEF248B21C240001
Artillery: Howitze	A3C72D65B4780000	83mm FAE	DEF248B24C240001
Air Defence: Miss	D7D295D1E2010000	105mm FAE	DEF248B26C040201
Air Defence: Gun	D1B2685D192D1E00	130mm FAE	B21C100200000001
Artillery: MLRS	1D675D65B4780000	122mm FAE	B23C0C0200000001
Flamethrower	92772D1654468B07	20mm CIWS	A9C9C97230000001
Ship: Coastal sui	DAD7795D53468B07	30mm CIWS	A9C9C97240000001
		37mm CIWS	A9C9C93242000001
		40mm CIWS	A9C9C97250000001

<<<----from 130mm HEAT

	燃烧	子母弹	HE	HE
苏联	TOS-1	BM-30	BM-21	BM-27
	BM-24			
TG	PHL-63, PHL-70	PHL-81		
NK	BM-24		BM-21	
波兰	BM-24M		BM-21	RM-70
东德	BM-24	BM-27	BM-21	RM-70
芬兰	RM-70	BM-21		BM-27
南斯拉夫	M-77 ORANJ	RM-70, ORKAN	Plamen	
美国		ATACMS		
德国		M270	LARS	LARS-2
法国			M270	
日韩			75 MSSR	K136
英国		M270		
荷兰			LANCE	
挪威		M270		
以色列	MAR240	LAR-160	MAR290	
南非	107火	BATELEUR	VALKIRI	

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