



Large Caliber Ammunition

> Mortar Ammunition 60 mm



TECHNICAL DATA	HE 60mm M73	HE 60mm M90	HE 60mm M91
Length	286 mm	410 mm	410 mm
Weight	1350 g	2100 g	2100 g
Maximum Pressure	413 bar	422 bar	610 bar
Muzle Velocity (min-max)	74 - 193 m/s		
Range (min-max)	94 - 2537 m	90 - 5200 m	90 - 5200 m
Killing range - radius	11 m	14 m	14 m

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> Mortar Ammunition 60 mm



TECHNICAL DATA	SMK 60mm M73	SMK 60mm M91
Length	286 mm	395 mm
Weight	1350 g	2100 g
Weight of Smoke Charge (WP)	190 g	300 g
Maximum Pressure	422 bar	610 bar
Muzle Velocity (min-max)	74-193 m/s	
Range (min-max)	94-2537 m	90-5200 m

> Mortar Ammunition 60 mm



TECHNICAL DATA	ILL 60mm M67	ILL 60mm M91	PRACTICE 60mm M62	
Length	330 mm	495 mm	Length of Mortar Shell-launcher	202 mm
Weight	1270 g	2100 g	Mass of Mortar Shell-launcher	1080 g
Maximum Pressure	422 bar	640 bar	Projectile Length	193 mm
Muzle Velocity (min-max)	117-210 m/s		Projectile Mass	235 g
Range (min-max)	200-2450 m	90-4000 m	Range (min-max)	50-280 m
Killing Range - Radius	180 000 Cd	400 000 Cd		

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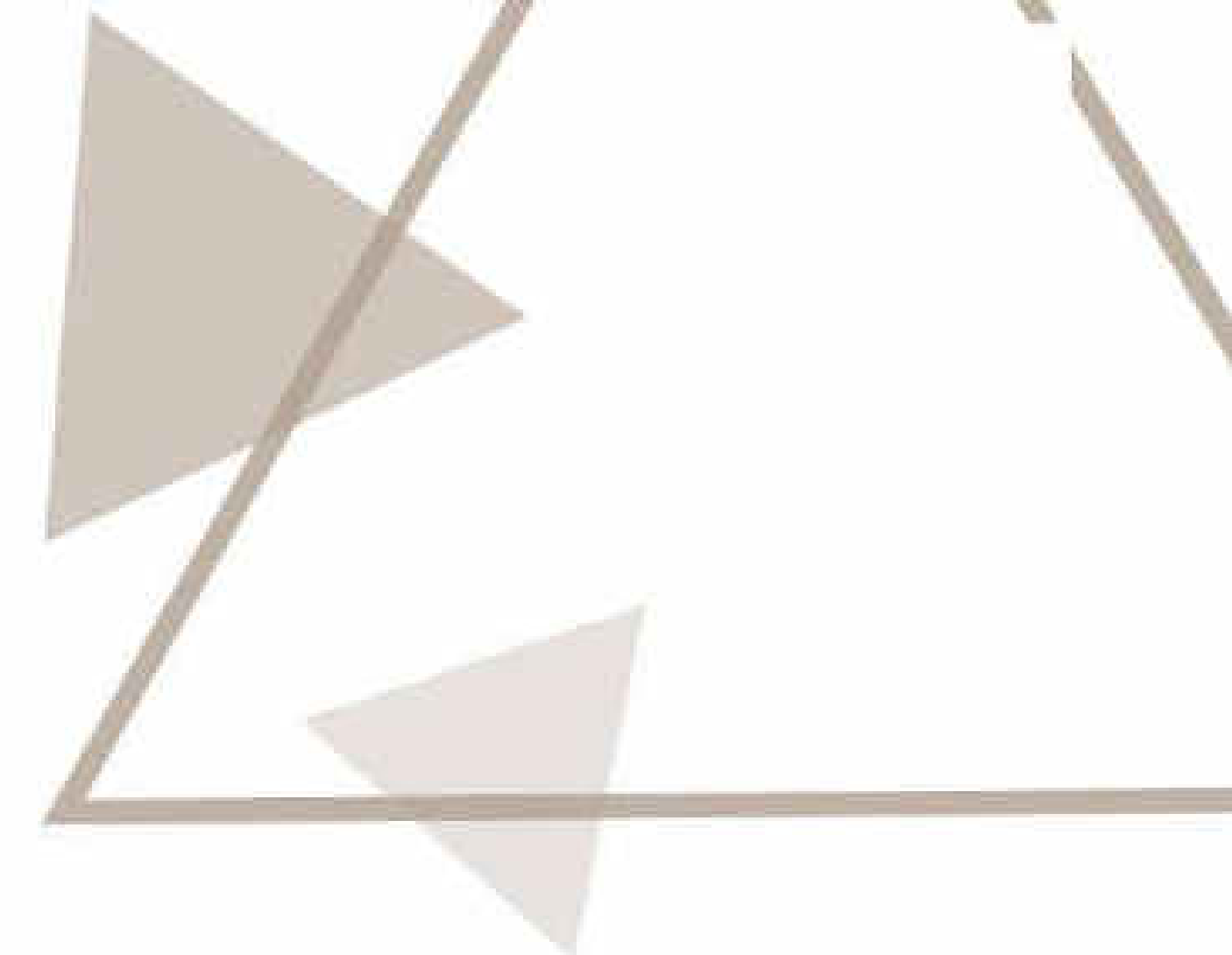
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> Mortar Ammunition 81/82 mm



TECHNICAL AND BALLISTIC DATA	HE 81mm M71	HE 81mm M72	HE 81mm M72P1	HE 81mm M	HE 81mm M86
Length	375 mm	375 mm	375 mm	480 mm	480 mm
Weight	4100 g	3050 g	3050 g	3800 g	4100 g
Maximum Pressure	588 bar	588 bar	588 bar	590 bar	610 bar
Muzle Velocity (min-max)	73-297 m/s	72-283 m/s	72-283 m/s	80-318 m/s	
Range (min-max)	90-5426 m	88-5070 m	88-5070 m	110-6050m	160-6700 m
Killing Range - Radius	14 m	14 m	14 m	18 m	18 m

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> Mortar Ammunition 81/82 mm



TECHNICAL DATA	HE 81mm M91	HE 82mm M68P1	HE 82mm M71	HE 82mm M7	HE 82mm M74
Length	470 mm		375 mm	480 mm	375 mm
Weight	4100 g	3120 g	4100 g	3050 g	3050 g
Maximum Pressure	420 bar	420 bar	420 bar	420 bar	420 bar
Muzle Velocity (min-max)		69-265 m/s	73-297 m/s	72-283 m/s	70-284 m/s
Range (min-max)	160-6700 m	79-4218 m	90-5426 m	88-5070 m	84-4943 m
Killing Range - Radius	18 m	14 m	16 m	16 m	16 m

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> Mortar Ammunition 81/82 mm



TECHNICAL DATA	HE 82mm M86	HE 82mm M91
Length	470 mm	470 mm
Weight	4100 g	3120 g
Maximum Pressure	610 bar	588 bar
Muzle Velocity (min-max)		69-265 m/s
Range (min-max)	160-6700 m	79-4218 m
Killing Range - Radius	18 m	14 m

> Mortar Ammunition 81/82 mm



TECHNICAL DATA	SMK 81/82mm M71	SMK 81mm M72	SMK 81/82mm M89	SMK 82mm M74
Length	438 mm	375 mm	470 mm	375 mm
Weight	4100 g	3050 g	4100 g	3050 g
Maximum Pressure	630 g	600 g	630 g	600 g
Muzle Velocity (min-max)	590 bar	588 bar	610 bar	588 bar
Range (min-max)	73-297 m/s	72-283 m/s		70-284 m/s
Killing Range - Radius	90-5426 m	88-5070 m	160-6700 m	84-4943 m

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> Mortar Ammunition 81/82 mm



TECHNICAL DATA	ILL 81/82mm M67	PRACTICE 81/82mm M62	
Length	410 mm	Length of Mortar Shell-launcher	287 mm
Weight	2950 g	Mass of Mortar Shell-launcher	2480 g
Maximum Pressure	420 bar	Projectile Length	193 mm
Muzle Velocity (min-max)	130-244 m/s	Projectile Mass	235 g
Range (min-max)	300-3645 m		
Intensity of Illumination	500 000 Cd		

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> Mortar Ammunition 120 mm



TECHNICAL DATA	HE 120mm M62P3	HE 120mm M91	HE 120mm M93LR	HE 120 mm M15 LR
Length	613 mm	800 mm	800 mm	816 mm
Weight	12600 g	14200 g	14200 g	14750 g
Maximum Pressure	981 bar	922 bar	1250 bar	1250 bar
Muzle Velocity (min-max)	121-322 m/s	NA	NA	NA
Range (min-max)	300-6464 m	250-7200 m	250-9400 m	400-8250 m
Killing Range - Radius	NA	22 m	22 m	NA

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> Mortar Ammunition 120 mm



TECHNICAL AND BALLISTIC DATA	SMK 120mm M64P1	SMK 120mm M84	SMK 120mm M15 LR	ILL 120mm M15 LR	ILL 120mm M84
Length	600 mm	800 mm	826 mm	817 mm	670 mm
Weight	12400 g	10350 g	14750 g	13500 g	10350 g
Weight of Smoke Charge (WP)	2450 g	1200 g	NA	NA	NA
Maximum Pressure	960 bar	570 bar	570 bar	570 bar	570 bar
Muzzle Velocity (min-max)	123-302 m/s	137-303 m/s	266 m/s	266 m/s	266 m/s
Range (min-max)	255-6464 m	88-5850 m	80-7500 m	NA	NA

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> Mortar Ammunition 120 mm



TECHNICAL DATA	ILL 120mm M87	PRACTICE 120mm M63	
Length	670 mm	Length of Mortar Shell-launcher	508 mm
Weight	10700 g	Mass of Mortar Shell-launcher	11600 g
Maximum Pressure	650 bar	Projectile Length	280 mm
Muzle Velocity (min-max)	137-303 m/s	Projectile Mass	400 g-
Range (min-max)	2000-6070 m/s		
Intensity of Illumination	1 000 000 Cd		

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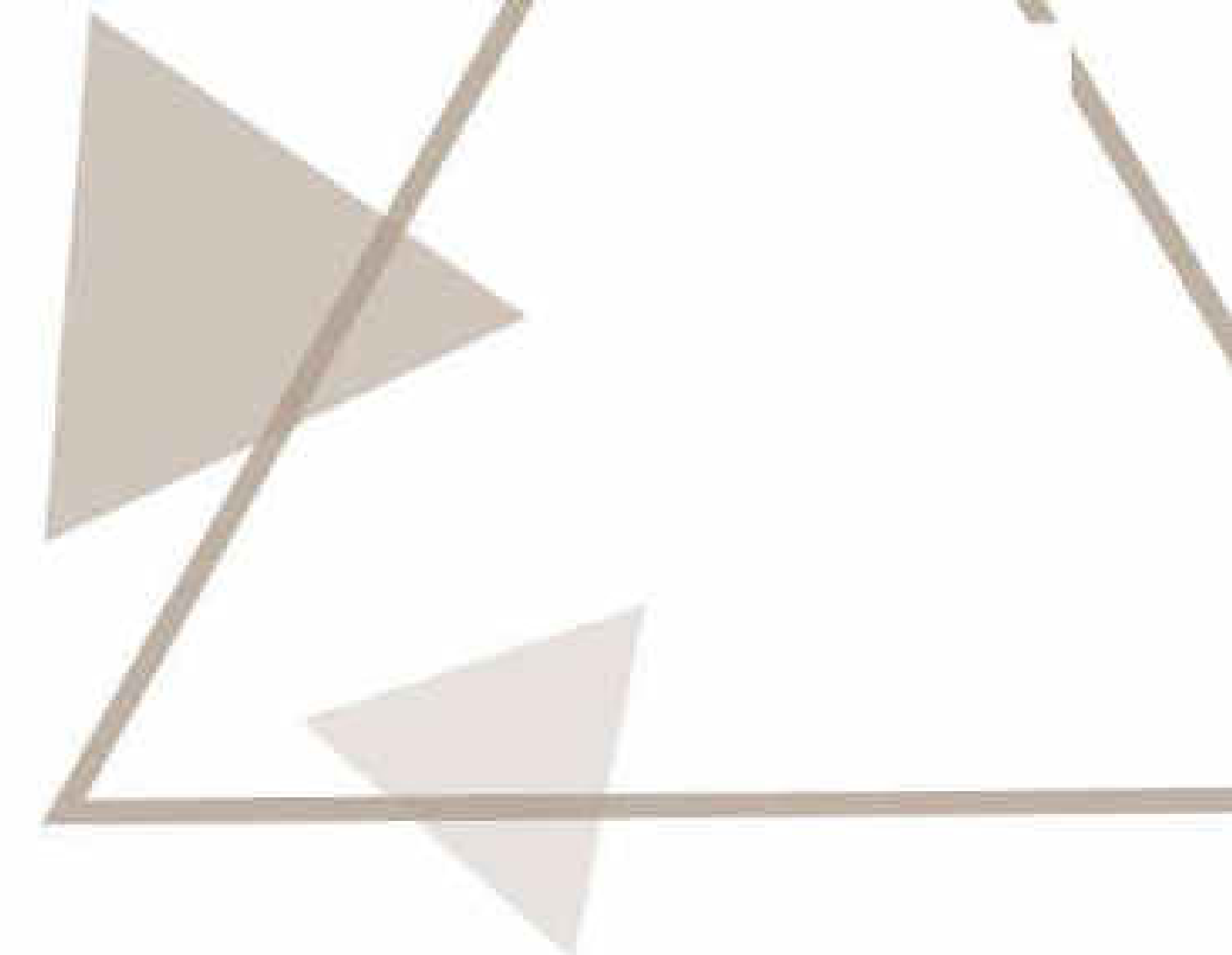
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> Artillery Ammunition 105 mm



TECHNICAL AND BALLISTIC DATA	HE 105mm M1	SMK 105mm M1 semi-xed	ILL 105mm M314A3	HE 105mm ER	HE 105mm ER BB
Length	790 mm	790 mm	795 m	795 m	850 mm
Weight	18150 g	19100 g	18600 g	19100 g	18500 g
Maximum Preassure	2010 bar	2300 bar	2200 bar	2630 bar	2650 bar
Muzle Velocity	205-494 m/s	472 m/s	494 m/s	630 m/s	680 m/s
Range	3700-11500 m	11620 m	11500 m	150-00 m	18200 m

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> Artillery Ammunition 122 mm



TECHNICAL DATA	HE 122mm TF-462	SMK 122mm M88	HE 122mm M76
Length	785 mm	600 mm	600 mm
Weight	27000 g	21900 g	21800 g
Weight of Smoke Charge (WP)		1842 g	
Maximum Pressure	2450 bar	422 bar	306 bar
Muzzle Velocity	565 m/s	735 m/s	690 m/s
Range	12840 m	17 300 m	17 000 m

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> Artillery Ammunition 155 mm



TECHNICAL AND BALLISTIC DATA	HE 155mm M107	SMK 155mm M110A2	HE 155mm ER M88	ILL 155mm M485A2
Length	655 mm	605 mm	859 mm	700 mm
Weight	40800-42900 g	44600 g	47500 g	42000 g
Maximum Preassure	684.3 m/s	574 m/s	897 m/s	575 m/s
Muzle Velocity	18100 m	14800 m	39000 m	14000 m
Range	NA	7000 g	NA	NA

> Tank Ammunition 125 mm



TECHNICAL AND BALLISTIC DATA	HE 125mm M86P1	HEAT SHELL 125mm M88	HE SHELL 125mm M88	HE 125mm M86P1 PRACTICE	HEAT 125mm M88 PRACTICE	HEAT 125mm APFSDS M88 PRACTICE
Length	676 mm	676 mm	590 mm	676 mm	678 mm	678 mm
Weight	23000 g	11820 g	5800 g	23000 g	19500 g	10500 g
Maximum Pressure	3432 bar	2900 bar	4440 bar	3432 bar	2900 bar	4440 bar
Muzzle Velocity	850 m/s	905 m/s	1785 m/s	850 m/s	905 m/s	1785 m/s
Eective Range	12200 m	4000 m	2000 m	4000 m	4000 m	2000 m
Fuse Type	UTIU M85	UT-PE M87	UT-PE M87	UTIU M85	NA	UT-PE M8

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