



5.5" /40	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																							
Max 16,000				3½	3	2½	2	1½	1																		
Up to range				HE	8	15	25	35	60	80	160																
						1	1½	2											DAF	1	2	3	4	5	6	7	8
Range over				0	100	115											Range over	55	67	79	88	99	110	120	135		

4.7" /45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																							
Max 17,500				4	3½	3	2½	2	1½	1																	
Up to range				HE	10	20	32	42	52	65	75	175															
						1	1½	2	2½										DAF	1	2	3	4	5	6	7	8
Range over				0	118	130	170										Range over	48	60	73	81	91	103	118	130	162	

3.9" /65	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																							
Max 19,500				4	3½	3	2½	2	1½	1																	
Up to range				HE	9	18	30	40	50	64	73	195															
						1	1½	2											DAF	1	2	3	4	5	6	7	8
Range over				0	135	170											Range over	51	62	75	86	100	113	130	150	176	

[illegible]

81mm Type 3 mortar Max 2,850	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																				
	HE	12		Minimum range: 3 Maximum range: 28																				
				1/2														DAF	10					
Over range				3														Over Range	3					