



Modern Soviet/Russian Guns

23mm	D	S	Pen.	4	3	2.5	2	1.5	1	.5				
API	8	14	Range	125	250	350	500	700	900	1200				
when RoF=ac			To Hit	1 ^{·3.5}	2 ^{·4.6}	3 ^{·5.7}	4 ^{·6.8}	5 ^{·7.9}	6 ^{·8.10}	7 ^{·9.11}	8 ^{·10.12}	9 ^{·11.13}	10 ^{·12.}	11 ^{·13}
			Range	200	250	300	350	400	450	550	675	750	900	1200

30mm 2A42	D	S	Pen.	8	7	6	5	4	3	2.5				
APDS	8	14	Range	50	150	250	500	750	1000	1200				
when RoF=ac			To Hit	1 ^{·3.5}	2 ^{·4.6}	3 ^{·5.7}	4 ^{·6.8}	5 ^{·7.9}	6 ^{·8.10}	7 ^{·9.11}	8 ^{·10.12}	9 ^{·11.13}	10 ^{·12.}	11 ^{·13}
			Range	200	250	300	400	450	500	550	650	750	900	1200
30mm 2A42	D	S	Pen.	10	9	8	7	6	5	4				
APDSFS	8	14	Range	50	150	250	375	650	1000	1200				
when RoF=ac			To Hit	1 ^{·3.5}	2 ^{·4.6}	3 ^{·5.7}	4 ^{·6.8}	5 ^{·7.9}	6 ^{·8.10}	7 ^{·9.11}	8 ^{·10.12}	9 ^{·11.13}	10 ^{·12.}	11 ^{·13}
			Range	200	250	300	400	450	500	550	650	750	900	1200

57mm S-60	D	S	Pen.	12	11	10	9	8	7					
AP	7	11	Range	25	200	450	750	900	1200					
when RoF=8			To Hit	1 ^{·5.8}	2 ^{·6.9}	3 ^{·7.10}	4 ^{·8.11}	5 ^{·9.12}	6 ^{·10.13}	7 ^{·11.14}	8 ^{·12.15}	9 ^{·13}	10 ^{·14}	11 ^{·15}
			Range	200	300	375	425	475	550	600	700	800	925	1200

73mm	D	S	Pen.	30										
HEAT (PG-9)	7	11	Range	all										
when RoF=7			To Hit	1 ^{·5.9}	2 ^{·6.10}	3 ^{·7.11}	4 ^{·8.12}	5 ^{·9.13}	6 ^{·10.15}	7 ^{·11}	8 ^{·12}	9 ^{·13}	10 ^{·14}	
			Range	100	200	300	375	425	500	600	700	800	900	

76.2mm /L51.6	D	S	Pen.	9	8	7	6							
APBC (BR-350B)	6	10	Range	125	425	720	1000							
when RoF=6			To Hit	1 ^{·6.11}	2 ^{·7.12}	3 ^{·8.13}	4 ^{·9.14}	5 ^{·10.15}	6 ^{·11}	7 ^{·12}	8 ^{·13}	9 ^{·14}	10 ^{·15}	11
			Range	200	300	350	400	450	525	575	650	750	850	1000

76.2mm D-56T	D	S	Pen.	9	8	7	6							
APBC (BR-350B)	6	10	Range	25	275	650	1000							
when RoF=7			To Hit	1 ^{·5.9}	2 ^{·6.10}	3 ^{·7.11}	4 ^{·8.12}	5 ^{·9.13}	6 ^{·10.15}	7 ^{·11}	8 ^{·12}	9 ^{·13}	10 ^{·14}	
			Range	150	250	300	350	400	475	550	650	750	850	
76.2mm D-56T	D	S	Pen.	20										
HEAT (BK-350M)	7	10	Range	all										
when RoF=7			To Hit	1 ^{·5.9}	2 ^{·6.10}	3 ^{·7.11}	4 ^{·8.12}	5 ^{·9.13}	6 ^{·10.15}	7 ^{·11}	8 ^{·12}	9 ^{·13}	10 ^{·14}	11 ^{·15}
1960			Range	100	225	275	325	375	450	550	650	750	850	1000

85mm /L54.6	D	S	Pen.	12	11	10	9							
APBC (BR-365)	5	9	Range	350	700	1000	1250							
when RoF=7			To Hit	1 ^{·5.9}	2 ^{·6.10}	3 ^{·7.11}	4 ^{·8.12}	5 ^{·9.13}	6 ^{·10.15}	7 ^{·11}	8 ^{·12}	9 ^{·13}	10 ^{·14}	11 ^{·15}
			Range	200	300	375	425	475	550	600	700	800	925	1250
85mm /L54.6	D	S	Pen.	16	15	14	13	12	11	10	9			
APCR (BR-365P)	7	10	Range	75	175	275	350	450	550	675	750			
when RoF=7			To Hit	1 ^{·5.9}	2 ^{·6.10}	3 ^{·7.11}	4 ^{·8.12}	5 ^{·9.13}	6 ^{·10.15}	7 ^{·11}	8 ^{·12}	9 ^{·13}	10 ^{·14}	
			Range	150	200	275	350	375	425	475	525	600	750	
85mm /L54.6	D	S	Pen.	18										
HEAT (BK-367)	7	10	Range	all										
when RoF=7			To Hit	1 ^{·5.9}	2 ^{·6.10}	3 ^{·7.11}	4 ^{·8.12}	5 ^{·9.13}	6 ^{·10.15}	7 ^{·11}	8 ^{·12}	9 ^{·13}	10 ^{·14}	
1948			Range	125	250	300	350	400	450	550	650	750	850	1000

122mm/L43	D	S	Pen.	20	19	18	17	16	15	14	13	12	11	
APBC (BR-471B)	3	8	Range	100	250	375	500	600	750	900	1100	1275	1400	
when RoF=3			To Hit	1 ^{·9}	2 ^{·10}	3 ^{·11}	4 ^{·12}	5 ^{·13}	6 ^{·14}	7 ^{·15}	8	9	10	11
			Range	200	300	400	450	500	550	625	750	875	1050	1400

125mm 2A46	D	S	Pen.	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20		
APDSFS (BM-9)	6	9	Range	75	175	250	350	450	550	650	775	875	1000	1125	1250	1375	1525	1600		
when RoF=5			To Hit	$1 \cdot 7.13$	$2 \cdot 8.14$	$3 \cdot 9.15$	$4 \cdot 10$	$5 \cdot 11$	$6 \cdot 12$	$7 \cdot 13$	$8 \cdot 14$	$9 \cdot 15$	10	11						
1962			Range	275	375	525	625	700	775	900	1025	1200	1400	1600						
125mm 2A46	D	S	Pen.	42																
HEAT (BK-12)	5	8	Range	all																
when RoF=5			To Hit	$1 \cdot 7.13$	$2 \cdot 8.14$	$3 \cdot 9.15$	$4 \cdot 10$	$5 \cdot 11$	$6 \cdot 12$	$7 \cdot 13$	$8 \cdot 14$	$9 \cdot 15$	10	11						
1962 (laser)			Range	225	275	400	525	600	700	775	900	1050	1250	1400						

125mm 2A46	D	S	Pen.	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23
APDSFS (BM-11)	5	9	Range	50	125	200	275	375	450	550	650	750	850	950	1050	1175	1300	1425	1550	1675
when RoF=6			To Hit	$1 \cdot 7.13$	$2 \cdot 8.14$	$3 \cdot 9.15$	$4 \cdot 10$	$5 \cdot 11$	$6 \cdot 12$	$7 \cdot 13$	$8 \cdot 14$	$9 \cdot 15$	10	11						
1968			Range	300	400	550	650	700	800	900	1050	1200	1400	1675						

125mm 2A46	D	S	Pen.	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	
APDSFS (BM-12)	5	9	Range	75	175	250	350	450	550	650	775	875	1000	1125	1250	1375	1525	1675	1825	
when RoF=6			To Hit	$1 \cdot 6.11$	$2 \cdot 7.12$	$3 \cdot 8.13$	$4 \cdot 9.14$	$5 \cdot 10.15$	$6 \cdot 11$	$7 \cdot 12$	$8 \cdot 13$	$9 \cdot 14$	$10 \cdot 15$	11						
1970			Range	300	400	550	650	700	800	900	1050	1200	1425	1800						

125mm 2A46	D	S	Pen.	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34
APDSFS (BM-22)	5	9	Range	75	175	250	350	450	550	650	775	875	1000	1125	1250	1375	1525	1675	1825	2000
when RoF=6			To Hit	$1 \cdot 6.11$	$2 \cdot 7.12$	$3 \cdot 8.13$	$4 \cdot 9.14$	$5 \cdot 10.15$	$6 \cdot 11$	$7 \cdot 12$	$8 \cdot 13$	$9 \cdot 14$	$10 \cdot 15$	11						
1978			Range	300	400	550	650	700	800	900	1050	1225	1450	2000						
125mm 2A46			Pen.	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
APDSFS (BM-26)	5	9	Range	75	175	250	350	450	550	650	775	875	1000	1125	1250	1375	1525	1675	1825	2000
when RoF=6			To Hit	$1 \cdot 6.11$	$2 \cdot 7.12$	$3 \cdot 8.13$	$4 \cdot 9.14$	$5 \cdot 10.15$	$6 \cdot 11$	$7 \cdot 12$	$8 \cdot 13$	$9 \cdot 14$	$10 \cdot 15$	11						
1983			Range	300	400	550	650	700	800	900	1050	1225	1450	2000						

125mm 2A46	D	S	Pen.	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	
APDSFS (BM-29)	5	9	Range	25	125	225	325	450	550	675	800	925	1075	1225	1375	1525	1700	1875	2000	
when RoF=6			To Hit	$1 \cdot 6.11$	$2 \cdot 7.12$	$3 \cdot 8.13$	$4 \cdot 9.14$	$5 \cdot 10.15$	$6 \cdot 11$	$7 \cdot 12$	$8 \cdot 13$	$9 \cdot 14$	$10 \cdot 15$	11						
1982 DU (rare)			Range	300	425	550	650	700	800	900	1050	1225	1450	2000						

125mm 2A46	D	S	Pen.	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
APDSFS (BM-29M)	5	9	Range	75	175	275	350	450	575	675	775	900	1025	1150	1300	1425	1575	1725	1900	2000
when RoF=6			To Hit	$1 \cdot 6.11$	$2 \cdot 7.12$	$3 \cdot 8.13$	$4 \cdot 9.14$	$5 \cdot 10.15$	$6 \cdot 11$	$7 \cdot 12$	$8 \cdot 13$	$9 \cdot 14$	$10 \cdot 15$	11						
1990			Range	300	425	550	650	700	800	900	1050	1225	1450	2000						

125mm 2A46	D	S	Pen.	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	
APDSFS (BM-48M)	5	9	Range	75	175	275	400	500	625	750	875	1000	1150	1300	1450	1600	1775	1975	2000	
when RoF=6			To Hit	$1 \cdot 6.11$	$2 \cdot 7.12$	$3 \cdot 8.13$	$4 \cdot 9.14$	$5 \cdot 10.15$	$6 \cdot 11$	$7 \cdot 12$	$8 \cdot 13$	$9 \cdot 14$	$10 \cdot 15$	11						
1998			Range	300	425	550	650	700	800	900	1050	1225	1450	2000						