



# WWII French Navy Ship and Gun List

Ship Class	Body Type	Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor														
		Tur F	Tur S	Tur R	Tur Top	BB	Belt Eng	Belt Mag	Up Belt	Deck Eng	Deck Mag	2 <sup>nd</sup> Tur	Low Belt	AB	CT f,a	FCD f,a,t
Richelieu	R	18	13	10	7/8	17	14^16/17	14^17	1	1^7	1^7	4½ 3	2	11	15,1	8,1,1
Dunkerque	R	13	10	13	6	14	10^12	10^12	1	5^6	5^6	5 3½	3	10	11,1	6,1,1
Strasbourg	R	14	10	14	6	15	12^14	12^14	1	5^6	5^6	5 3½	3	12	11,1	6,1,1
Bretagne	C	15	6	6	3	11	12^14	12^14	5	2^4	2^4	5 1	3	10	12,1	7,1,1
Algérie	S	4	2½	2½	4	3½	3½^4	4^6	(3½)	1^4	1^4	¼ 0	2	3	4	2½,1,½
Suffren	S	1	1	1	1	1	2	2	(½)	1	1	¼ 0	1	1	1	1,½,½
Duquesne	S	1	1	1	1	1	1	1	(½)	1	1	¼ 0	1	1	1	1,½,½
La Galissonnière	S	4	2	1½	2	3½,2½#3	4^5	4^5	(1)	1½	1½	¼ 0	1	2½	3½	2½,1,½
Émile Bertin	S	1	1	1	1	1	½	1	(½)	1	1	¼ 0	1	1	1	1,½,½
Duguay Trouin	S	1	1	1	1	1	1	1	(½)	1	1	¼ 0	1	1	1	1,½,½
Jeanne D' Arc	S	1	1	1	1	1	½	1	(½)	½	1	¼ 0	1	1	1	1,½,½
Chacal	S	¼				½	¼	½		¼	¼			½		
Guépard	S	½				½	¼	½		¼	¼			½		
Aigle	S	1/8				½	¼	½		¼	¼			½		
Vauquelin	S	1/8				½	¼	½		¼	¼			½		
Le Fantasque	S	½				½	¼	½		¼	¼			½		
Mogador	S	½				½	¼	½		¼	¼			½		
Bourrasque	S	¼				½	¼	½		¼	¼			½		
Le Fortuné	S	¼				½	¼	½		¼	¼			½		
Le Hardi	S	½	¼	¼	¼	½	¼	½		¼	¼			½		

Ship Class	French Navy Capital Ship Data																	
	Main	ROF	Secondary	ROF	Tertiary, High AA	ROF	Low AA	Torpedo	Protection			Radar	Rng Fndr	Planes	Hulls	Engines	Speed	Size
									Flash	UW	DC							
Richelieu	15"/45 (2x4)	1	6"/55 (3x3)	2.25	100 mm (6x2):6	2.25	8:4,16:1		3	3	4		+3S	3	19	5	22	
Dunkerque	13"/50 (2x4)	1	5.1"/45 (3x4,2x2)	2.5			8:4,32:1		3	3	4		+2S	2	14	5	22	5
Strasbourg	13"/50 (2x4)	1	5.1"/45 (3x4,2x2)	2.5			8:4,32:1		2	2	4		+2S	2	15	5	23	5
Bretagne	13.4"/45(2x5)	1	5.45"/55 (14)	1.75			4:4,8:1		2	2	4		+1	4	11	5	15	4
Lorraine	13.4"/45(2x4)	1	5.45"/55 (14)	1.75			8:4,8:1		2	2	4		+1	4	11	5	15	4
Algérie	8"/55 (4x2)	1.75	100 mm (6x2):5	2.25	<		8:4,16:1	21.7" (2x3)	2	2	3		+1	3	6	4	23	3
Suffren	8"/50 (4x2)	1.75	90mm (8x1):4	2.25	<		8:4,12:1	21.7" (4x3)	2	2	3			3	5	4	23	3
Duquesne	8"/50 (4x2)	1.75	75mm (8x1):3	2.25	<		8:4,12:1	21.7" (2x3)	2	2	3			2	6	4	25	3
La Galissonnière	6"/55 (3x3)	2	90mm (4x2):4	2.25	<		8:4,12:1	21.7" (2x2)	1	1	3		+1	4	4	3	23	2
Émile Bertin	6"/55 (3x3)	2	90mm (1x2,2x1):4	2.25	<		8:4,8:1	21.7" (2x3)	1	1	3		+1	2	4	3	25	3
Duguay Trouin	6.1"/50 (4x2)	1.5	75mm (4x1):3	2.25	<		4:1	21.7" (4x3)	1	1	3			2	4	3	24	2
Jeanne D' Arc	6.1"/50 (4x2)	1.5	75mm (4x1):3	2.25	<		4:4,12:1	21.7" (2x1)	1	1	3			2	4	3	18	3
Chacal	5.1"/40 (4x1)	1.75	75mm (2x1):3	2.25	<		8:1	21.7" (2x3)			2				2	2	26	1
Guépard	5.45"/40 (5x1)	1.75					4:4,4:1	21.7" (2x3)			2				2	2	26	1
Aigle	5.45"/40 (5x1)	2					4:4,4:1	21.7" (2x3)			2				2	2	26	1
Vauquelin	5.45"/40 (5x1)	2					4:4,4:1	21.7" (7)			2				2	2	26	1
Le Fantasque	5.45"/50 (5x1)	2.25					4:4,4:1	21.7" (3x3)			2				2	2	30	1
Mogador	5.45"/50 (5x1)	2.25					4:4,4:1	21.7" (10)			2				2	2	29	1
Bourrasque	5.1"/40 (4x1)	1.75					2:4,2:1	21.7" (2x3)			2				1	2	24	1
Le Fortuné	5.1"/40 (4x1)	1.75					2:4,2:1	21.7" (2x3)			2				2	2	24	1
Le Hardi	5.1"/45 (3x2)	2.5					2:4,4:1	21.7" (7)			2				2	2	27	1

Range Findervalue applies to the main battery only. For secondaries the value is one less. For tertiaries it is two less.

15 " /45	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 41,700			35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	
Up to range	AP	3	19	28	37	44	51	59	67	75	84	93	104	114	126	137	147	158	171	186	201	216	236	246	280	311	340	375	408	
			-	1½	2	2½	3	3½	4	5	6	7	8	9	10	11	12	13	DAF			1	2	3	4	5	6	7	8	
Range over			0	82	119	149	180	215	245	274	303	322	337	349	359	369	380	402	Range over			104	140	173	206	238	274	312	376	

13 " /45	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 41,700			31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	
Up to range	AP	4	15	26	37	47	58	70	82	94	106	120	133	146	160	174	189	202	216	227	237	249	262	278	296	332	384	406	417	
			-	1½	2	2½	3	3½	4	5	6	7	8	9	10				DAF			1	2	3	4	5	6	7	8	
Range over			0	105	142	187	224	265	290	320	347	377	389	397	405				Range over			113	153	190	222	255	294	342	405	

13 " /45	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 40,600			16	15	14	13	12	11	10	9	8	7	6	5	4	3½														
Up to range	HE	2	13	26	47	70	94	120	146	174	202	227	249	278	332	406														
			3½	4	5	6	7												DAF			1	2	3	4	5	6	7	8	
Range over			50	255	294	342	405												Range over			113	153	190	222	255	294	342	405	

13.4 " /45	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
			14	13	12	11	10	9	8	7	6	5																		
Max 26,600																														
Up to range	AP	4	30	55	78	102	128	153	172	197	234	266																		
			-	1½	2	2½	3	3½	4	5										DAF			1	2	3	4	5	6	7	
Range over			0	76	107	137	168	195	221	241										Range over			82	104	127	153	182	214	253	

8" /55	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 31,000			15	14	13	12	11	10	9	8	7	6	5	4	3½	3	2½	2	1½	1										
Up to range	AP	7	20	31	43	56	69	83	98	117	137	164	196	222	243	264	279	288	302	310										
			-	½	1	1½	2	2½	3	3½	4	5						DAF			1	2	3	4	5	6	7	8	9	
Range over			0	31	96	166	200	220	237	243	253	271						Range over			93	117	146	162	180	203	227	261	296	

8" /55	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																												
Max 31,000			8	7	6	5	4	3½	3	2½	2																				
Up to range	HE	5	15	31	56	83	117	137	164	196	310																				
			2	2½	3	3½	4													DAF			1	2	3	4	5	6	7	8	9
Range over			0	203	227	261	296													Range over			93	117	146	162	180	203	227	261	296

8" /50	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 30,000			15	14	13	12	11	10	9	8	7	6	5	4	3½	3	2½	2	1½	1										
Up to range	AP	7	15	26	37	51	64	78	93	112	132	158	191	217	239	260	277	287	301	300										
			-	½	1	1½	2	2½	3	3½	4	5							DAF			1	2	3	4	5	6	7	8	9
Range over			0	32	95	166	199	220	231	242	252	270							Range over			91	114	141	159	176	198	222	254	292

8" /50	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																												
Max 30,000			8	7	6	5	4	3½	3	2½	2																				
Up to range	HE	5	13	26	51	78	112	132	158	191	300																				
			2	2½	3	3½	4													DAF			1	2	3	4	5	6	7	8	9
Range over			0	176	198	254	292													Range over			91	114	141	159	176	198	222	254	292

6.1" /50	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 25,000			8	7	6	5	4	3½	3	2½	2	1½	1																	
Up to range	SAP	7	21	36	57	78	98	118	140	181	225	244	250																	
			-	½	1	1½	2	2½												DAF	1	2	3	4	5	6	7	8		
Range over			0	40	119	165	186	207												Range over	62	81	100	114	130	149	165	187		

6.1" /50	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 26,100			6	5	4	3½	3	2½	2	1½																				
Up to range	HE	7	20	30	45	65	75	90	115	261																				
			1½	2	2½															DAF	1	2	3	4	5	6	7	8		
Range over			0	165	187															Range over	62	81	100	114	130	149	165	187		

6" /55	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																										
Max 26,500			9	8	7	6	5	4	3½	3	2½	2	1½	1															
Up to range	AP	8	31	45	60	77	98	118	134	154	191	218	257	265															
			-	½	1	1½	2	2½	3											DAF	1	2	3	4	5	6	7	8	9
Range over			0	45	132	170	193	212	232											Range over	69	91	109	124	142	159	181	210	245

6" /55	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																										
Max 26,500			5	4	3½	3	2½	2	1½																				
Up to range	HE	7	22	45	60	77	98	118	265																				
			1½	2	2½	3														DAF	1	2	3	4	5	6	7	8	9
Range over			0	181	210	245														Range over	69	91	109	124	142	159	181	210	245

5.45 " /55	Shell	Damage	Range 100x meters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																										
Max 16,100			6	5	4	3½	3	2½	2	1½																			
Up to range	SAP	9	14	35	56	73	94	117	154	161																			
			-	½	1															DAF		1	2	3	4	5	6		
Range over			0	39	117															Range over		65	88	105	120	134	149		

5.45"/55			Range 100x meters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																									
Max 16,100	Shell	Damage	4	3½	3	2½	2	1½																				
Up to range	HE	8	15	36	56	76	96	161																				
			1½																	DAF	1	2	3	4	5	6		
Range over			15																	Range over	65	88	105	120	134	149		

5.45"/50	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																										
Max 20,000			6	5	4	3½	3	2½	2	1½																			
Up to range	SAP	8	20	41	63	80	100	124	151	200																			
			-	½	1	1½															DAF	1	2	3	4	5	6	7	8
Range over			0	40	120	167															Range over	66	89	106	122	136	151	170	191

5.45"/50	Shell	Damage	Range 100x meters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																								
Max 20,000			4	3½	3	2½	2	1½																			
Up to range	HE	8	20	41	63	84	105	200																			
			1½	2	2½														DAF	1	2	3	4	5	6	7	8
Range over			15	170	191														Range over	66	89	106	122	136	151	170	191

5.45" /40	Shell	Damage	Range 100xmetres vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
			5	4	3½	3	2½	2	1½																					
Max 16,600																														
Up to range	SAP	9	12	32	48	68	93	122	166																					
			-	½	1	1½															DAF	1	2	3	4	5	6	7		
Range over			0	31	92	149															Range over	62	81	100	114	130	149	165		

5.45" / 40	Shell	Damage	Range 100xmetres vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																								
Max 16,600			4	3½	3	2½	2	1½																			
Up to range	HE	8	6	12	32	57	82	166																			
			1½	2															DAF	1	2	3	4	5	6	7	
Range over			15	165															Range over	62	81	100	114	130	149	165	

5.1" /45	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																									
Max 20,900			5	4	3½	3	2½	2	1½	1																		
Up to range	SAP	9	16	38	45	60	80	105	165	209																		
			-	½	1	1½	2													DAF	1	2	3	4	5	6	7	8
Range over			0	44	130	162	178													Range over	62	81	100	114	130	149	165	187

5.1 " /45	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
			4	3½	3	2½	2	1½	1																					
Max 20,900																														
Up to range	HE	8	8	16	38	60	80	105	209																					
			1	1½	2															DAF	1	2	3	4	5	6	7	8		
Range over			0	82	187															Range over	62	81	100	114	130	149	165	187		

5.1/40	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																											
Max 18,700			5	4	3½	3	2½	2	1½	1																				
Up to range	SAP	9	15	34	40	54	73	95	150	187																				
			-	½	1	1½	2													DAF			1	2	3	4	5	6	7	8
Range over			0	42	124	154	170													Range over			59	77	95	109	124	142	157	178

5.1/40	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																							
Max 18,700			4	3½	3	2½	2	1½	1																	
Up to range	HE	9	7	15	30	45	73	95	187																	
			1	1½	2													DAF	1	2	3	4	5	6	7	8
Range over			0	77	178													Range over	59	77	95	109	124	142	157	178

100mm	Shell	Damage	Range 100xmetres vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																										
Max 15,000			4	3½	3	2½	2	1½	1	½																			
Up to range	SAP	10	15	30	45	65	85	105	125	150																			
			-	½	1															DAF	1	2	3	4	5	6	7	8	9
Range over			0	60	120															Range over	51	62	71	80	87	96	106	119	135

100mm	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																								
Max 15,000			4	3½	3	2½	2	1½	1																		
Up to range	HE	9	10	20	30	50	70	150																			
			1	1½	2													DAF	1	2	3	4	5	6	7	8	9
Range over			0	100	135													Range over	51	62	71	80	87	96	106	119	135

90mm	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																										
			4	3½	3	2½	2	1½	1	½																			
Max 15,000																													
Up to range	SAP	11	6	17	39	56	72	94	114	150																			
			-	¼	½	1														DAF	1	2	3	4	5	6	7	8	9
Range over			0	25	50	140														Range over	44	54	63	71	81	91	104	118	136

90mm	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																								
Max 15,000			4	3½	3	2½	2	1½	1	½																	
Up to range	HE	10	4	12	26	37	48	62	77	150																	
			½	1	1½	2												DAF	1	2	3	4	5	6	7	8	9
Range over			0	59	104	136												Range over	44	54	63	71	81	91	104	118	136

75mm	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																									
Max 14,000			3	2½	2	1½	1	½	¼																			
Up to range	AP	13	10	15	20	30	60	120	140																			
			-	¼	½														DAF	1	2	3	4	5	6	7	8	9
Range over			0	40	100														Range over	41	51	61	69	78	88	100	113	130

75mm	Shell	Damage	Range 100xmeters vs Penetration in Inches of Class 'A' (vertical/ <b>horizontal</b> ) armor																									
Max 14,100			2½	2	1½	1	½																					
Up to range	HE	12	3	6	10	20	141																					
			½	1	1½														DAF	1	2	3	4	5	6	7	8	9
Range over			0	75	130														Range over	41	51	61	69	78	88	100	113	130

Consider all French guns to have high dispersion and can only use wide ladders.