



WWII British Royal Navy Ship and Gun List

Ship Class	Body Type	Inches of Class 'A' (vertical/ horizontal) armor														
		Tur F	Tur S	Tur R	Tur Top	BB	Belt Eng	Belt Mag	Up Belt	Deck Eng	Deck Mag	2 nd Tur	Low Belt	AB f,a	CT f,a	FCD f,a,t
King George V	R	15	10/8	8	7	15	15^17	16^18	½	6	7	1 1	½^4	11	4,1	1,1,½
Nelson	R	17,19 _{#3}	12/10	10	8	16	2^16 _{L0}	2^17 _{L0}	½	4	6	1½ 1	½^4	12	14,2	1,1,½
Hood	C	15	12/11	11	5	12	12^14	12^14	7	2^4/4½	2½^5	¼ 0	½^4	5	11,1	1,1,½
Repulse	C	9	7	11	4	7	6^8	9^11	3	1½^4	1½^7	¼ 0	½^4	4	3,1	1,1,½
Renown	C	9	7	11	4	7	6^8	6^8	3	3^6	6^9	½ ½	½^4	4	3,1	1,1,½
Royal Sovereign	C	12	11	11	4½	10	13^15	13^15	6	2½^5	1^6	1½ 1	½^4	6	10,1	1,½,½
Queen Elisabeth	C	12	11	11	4	10	13^16	13^16	6	2^4	2^7	2 1	½^4	6	3,1	1,½,½
York	S	1	1	1	1	3	4	5		1½	3	¼ 0	½	4,3	1,½	1,½,¼
Exeter	S	1	1	1	1	3	3½	6		1½	3	¼ 0	½	4,3	1,½	1,½,¼
Kent	S	1	1	1½	1	3	5	5		1½	3	¼ 0	½	3,1	1,1	1,1,¼
Cumberland	S	1	1	1½	1	3	5	5		1½	3	¼ 0	½	3,1	1,1	1,1,¼
Dorsetshire	S	1	1	3	1	3	5	5		1½	3	¼ 0	½	3,1	1,½	1,½,¼
Town Class	S	4	2	2	2	2/4	3½	5		1½	3	¼ 0	½	2½	1,½	½,½,¼
Gloucester	S	4	2	2	2	2/4	4	5		2	3	¼ 0	½	2½	1,½	½,½,¼
Belfast	S	4	2	2	2	2/4	4	5		2	3	¼ 0	½	2½	1,½	½,½,¼
Leander	S	1	1	1	1	1	3½	4		1½	2	¼ 0	½	2½	1,½	½,½,¼
Mod. Leander	S	1	1	1	1	1	3½	4		1½	2	¼ 0	½	2½	1,½	½,½,¼
Arethusa	S	1	1	1	1	1	3	3½		1	3	¼ 0	½	2½	1,½	½,½,¼
Dido	S	½	½	½	½	1	3½	3½		1	2		½	2½	1,½	½,¼
Mod. Dido	S	½	½	½	½	1	3½	4		1	2		½	2½	1,½	½,¼
Fiji	S	2	1	1	2	1	3½	4		2	2		½	2½	1,½	½,¼
Uganda	S	2	1	1	2	1	3½	4		2	2		½	2½	1,½	½,¼
Swiftsure	S	2	1	1	2	1	3½	4		2	2		½	2½	1,½	½,¼
Admiralty Class	S	¼				½	½	½		½	½	-				
'A' and 'B' Classes	S	¼				½	½	½		½	½	-				
'C' and 'D' Classes		¼				½	½	½		½	½	-				
'E' and 'F' Classes		¼				½	½	½		½	½	-				
'G' and 'H' Classes		¼				½	½	½		½	½	-				
'I' Class		¼				½	½	½		½	½	-				
Tribal		¼				½	½	½		½	½	-				
'J' , 'K' , 'N' Classes		¼				½	½	½		½	½	-				
'L' and 'M' Classes		¼				¼	½	½		½	½	-				
'O' and 'P' Classes						½	½	½		½	½	-				
'Q' and 'R' Classes		¼				½	½	½		½	½	-				
'S', 'T', 'U', 'W' Classes		¼				½	½	½		½	½	-				
'Z' and 'Ca' Classes		¼				½	½	½		½	½	-				
Battle Group 1		½				½	½	½		½	½	-				
Battle Group 2		½				½	½	½		½	½	-				

Key:

A/B= Two possible values for this armor, each with a 50/50 chance of occurring.

A^B= Two layers of armor. Roll once for penetration. If resulting penetration equals or surpasses B then full damage happens. If it only equals or surpasses A then nominal damage is imparted.

f, a= forward, or aft conning tower

f, a, t= forward main, aft main or secondary, tertiary or torpedo fire control director

Notes

L0 - Belt Eng extends to location 12. Subsequently lower Belt starts at vertical location 13.



WWII British Royal Navy Ship Data List

Ship Class	British Royal Navy 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							
King George V	14"/45 (2x4,1x2)	1	5.25"/50 (8x2):6	2	<		32:4		4	3	5	a	+1	2	20	5	21	6
Nelson	16"/45 (3x3)	.75	6"/50 (6x2)	2	4.7"/40 (6):5	2.5	20:4	24.5"(2x1)	3	2	5	a	+1		18	5	17	6
Hood	Mk13a15"/42 (4x2)	1	4"/45 (14x1):5	2.5	<		24:4,16:1	21"(6x1)	2	2	5	a	+1		21	5	23	7
Repulse	Mk13a 15"/42 (3x2)	1	4"/45 (4x3)	2.5	4"/45(4x1):5	2.5	16:4	21"(4x2)	2	1	4	a	+1		14	4	23	5
Renown	Mk17b 15"/42 (3x2)	1	4.5"/50(10x2)	2.5			24:4	21"(4x2)	2	1	4	a	+1	2	14	4	22	5
Royal Sovereign	Mk17b 15"/42 (4x2)	1	6"/50 (6x1)	2	4"/45 (4x2):5	2.5	16:4,8:1		3	1	4	a	+1		14	4	17	4
Queen Elizabeth	Mk17b 15"/42 (4x2)	1	6"/45(8x1)	2	4"/45 (4x2):5	2.5	32:4		3	1	4	a	+1		14	4	17	4
York	8"/50 (3x2)	1.75	4"/45 (4x2):5	2.5	<		8:4,8:1	21"(2x3)	2	1	3	a	+1		6	4	24	3
Exeter	8"/50 (3x2)	1.75	4"/45 (4x1):5	2.5	<		2:4	21"(2x3)	2	1	3	a	+1		6	4	24	3
Kent	8"/50 (4x2)	1.75	4"/45 (4x2):5	2.5	<		16:4,4:2		2	1	3	a	+1		6	4	23	3
Cumberland	8"/50 (4x2)	1.75	4"/45 (4x2):5	2.5	<		8:4,4:1		2	1	3	a	+1		6	4	23	3
Dorsetshire	8"/50 (4x2)	1.75	4"/45 (4x2):5	2.5	<		16:4,8:1	21"(2x4)	2	1	3	a1	+1		6	4	24	3
Southampton	6"/50 (4x3)	2	4"/45 (4x2):5	2.5	<		8:4,8:1	21"(2x3)	2	1	3	a1	+1	3	5	4	23	3
Gloucester	6"/50 (4x3)	2	4"/45 (4x2):5	2.5	<		8:4,8:1	21"(2x3)	2	1	3	a	+1	3	5	4	23	3
Belfast	6"/50 (4x3)	2	4"/45 (6x2):5	2.5	<		16:4,8:1	21"(2x3)	2	1	3	a	+1	3	6	4	24	3
Leander	6"/50 (4x2)	2	4"/45 (4x1):5	2.5	<		12:1	21"(2x4)	2	1	3		+1	1	4	3	24	3
Mod. Leander	6"/50 (4x3)	2	4"/45 (4x1):5	2.5	<		12:1	21"(2x4)	2	1	3		+1	1	4	3	24	3
Arethusa	6"/50 (3x2)	2	4"/45 (4x1):5	2.5	<		8:4,8:1	21"(2x3)	1		2		+1	1	3	3	24	3
Dido	5.25"/50 (5x2):6	2	<		<		8:4,8:1	21"(2x3)	1		2				4	3	24	3
Mod. Dido	5.25"/50 (4x2):6	2	<		<		12:4,12:2	21"(2x3)	1		2				4	3	24	3
Fiji	6"/50 (4x3)	2	4"/45 (4x2):5	2.5	<		8:4	21"(2x3)	2	1	3		+1	2	5	3	24	3
Uganda	6"/50 (3x3)	2	4"/45 (4x2):5	2.5	<		12:4	21"(2x3)	2	1	3		+1		6	4	24	3
Swiftsure	6"/50 (3x3)	2	4"/45 (5x2):5	2.5	<		16:4,16:2	21"(2x4)	2	1	3		+1		5	3	24	3
Admiralty 'S' Class	4"/45 (3x1)	2.5					2:4	21"(2x2)			1				1	1	26	1
'A' and 'B' Classes	4.7"/45 (4x1)	2.5	3"/45 (1x1):3	2.5	<		2:4	21"(2x4)			1				2	2	26	1
'C' and 'D' Classes	4.7"/45 (4x1)	2.5					2:4	21"(2x4)			1				2	2	26	1
'E' and 'F' Classes	4.7"/45 (4x1)	2.5					6:1	21"(2x4)			1				2	2	26	1
'G' and 'H' Classes	4.7"/45 (4x1)	2.5					6:1	21"(2x4)			1				2	2	27	1
'I' Class	4.7"/45 (4x1)	2.5					6:2	21"(2x5)			1				2	2	27	1
Class Leaders	4.7"/45 (5x1)	2.5					4:2	21"(2x5)			1				2	2	27	1
Tribal	4.7"/45 (4x2)	2.5					4:4	21"(1x4)			1				2	2	27	1
'J' , 'K' , 'N' Classes	4.7"/45 (3x2)	2.5					4:4	21"(2x5)			1				2	2	26	1
'L' and 'M' Classes	4.7"/50 (3x2)	2.25					4:4	21"(2x4)			1				2	2	26	1
'O' and 'P' Classes	4"/45 (4x1)	2.5					4:4	21"(2x4)			1				2	2	27	1
'Q' and 'R' Classes	4.7"/45 (4x1)	2.5					4:4	21"(2x4)			1				2	2	27	1
'S','T','U','W' Classes	4.7"/45 (4x1)	2.5					2:4	21"(2x4)			1				2	2	27	1
'Z' and 'Ca' Classes	4.5"/45 (4x1):5	2.5	<		<		6:4	21"(2x4)			1				2	2	27	1
Battle Group 1	4.5"/45 (2x2):5	2.5	<		<		8:4	21"(2x4)			1				2	2	26	1
Battle Group 2	4.5"/45 (2x2):5	2.5	4.5"/45 (1x1):5	2.25	<		8:4	21"(2x5)			1				2	2	26	1

Key:

(NxG)= number of turrets or mounts with 'G' number of guns in each.

:B = B is the damage factors inflicted per hit by this AA battery,

C:B = C is the chance to hit aircraft with this weapon. B is the damage factors inflicted to aircraft per hit.

< = See column to the left for guns fulfil this role.

ROF greater than one the number of guns is truncated to whole guns.

ROF=.75 For ROF under 1 the number of guns is rounded. 9=7,8=6,7=5,6=5,5=4,4=3,3=2,2=2,1=1.

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

Radar indicates sets available at the out break of the war or first installed. As time progressed improved sets replaced these. See scenario for specific radar.



WWII British Royal Navy Carrier Data List

Carrier Class	British Royal Navy Carrier Data																		
	High AA	ROF	Low AA	Inches of Class 'A' (vertical/ horizontal) armor								Service		Protection			Radar	Aircraft	Reserve
				Belt Eng	Belt Mag	Up Belt	Deck Eng	Deck Mag	Low Belt	AB f,a	CT	Hang	Lifts	Flash	UW	DC			
Eagle	4"/45 (4):6	2.5	16:4,12:1	2/3	3	1½	¼ ^2	¼ ^1	½^2	2,3					1	3		36	10
Furious	4"/45 (6x2):5	2.5	24:4	2/3	3	¼	1 ^2	1 ^2^3	½^2	2		2	2		1	3		36	11
Courageous	4.7"/40 (4x1)	2.5	24:4	2/3	3	1½	1 ^1¼^2	1 ^2½^3	½^2	2		2	2 cc		1	3		48	11
Ark Royal	4.5"/45 (4x1)	2.5	32:2	4½	4½	1½	1½ ^4	1½ ^5	½^3	2½		2	3 cc		1	3		60	10
Illustrious	4.5"/45 (8x2)	2.5	48:4	4½	4½	4½	3 ^4^4½	3 ^4^4½	½^3	2½		1	2 c		1	3		33	3
Indomitable	4.5"/45 (8x2)	2.5	48:4	4½	4½	1½	3 ^3½^5	3 ^3½^5	½^3	2½		2	2 c		1	3		45	11
Implacable	4.5"/45 (8x2)	2.5	44:4	4½	4½	1½	3 ^3½^5	3 ^3½^5	½^3	2½		2	2 c		1	3		60	11
Unicorn	4"/45 (8):5	2.5	16:4	3	3	½	2 ^2¼^2½	2 ^2¼^4	½^3	2		2	2 c			2		35	7
Colossus			24:4	¼	¼	¼	¼ ^¼^½	¼ ^¼^½	¼	¼		1	2 c			2		37	6
Audacity	4"/45 (1):5	2.5	4:4,4:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		0	0			2		6	5
Activity	4"/45 (2):5	2.5	24:2	¼	¼	¼	¼ ^¼^½	¼ ^¼^½	¼	¼		1	1			2		11	5
Pretoria Castle	4"/45 (4):5	2.5	28:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	1 c			2		15	8
Vindex	4"/45 (2):5	2.5	16:4,16:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	1			2		18	6
Campania	4"/45 (2):5	2.5	16:4,16:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	1			2		18	5
Archer	4"/50(3):5	2.25	15:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	1 c			2		16	5
Avenger	4"/50 (3):5	2.25	19:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	1 c			2		15	5
Attacker	4"/50 (2):5	2.25	8:4,10:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	2 c			2		18	5
Ameer	5"/38 (2):6	2.75	16:4,27:2	¼	¼	¼	¼^¼^½	¼^¼^½	¼	¼		1	2 c			2		18	5

Lifts c Flight deck also equipped with one catapult
Lifts cc Flight deck also equipped with two catapult

16 " / 45 Max 36,400	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																											
				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	2	N	25	33	41	49	57	66	74	83	91	102	113	124	136	149	162	175	190	208	228	248	270	285	298	312	325	341	357	
				-	1	1½	2	2½	3	3½	4	5	6	7	8	9	10	11	12	DAF			1	2	3	4	5	6	7	8	
Over range				0	47	82	113	143	174	204	231	262	290	308	318	327	335	344	355	Over Range			83	116	148	179	208	243	285	334	

15"/42 Mk17b 30,724	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																											
				32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11						
Up to range	AP	3	N	24	33	42	52	62	71	81	91	103	115	128	142	156	171	187	207	229	250	266	280	293	307						
				-	1	1½	2	2½	3	3½	4	5	6	7	8						DAF			1	2	3	4	5	6	7	
Over range				0	47	82	113	143	174	203	225	250	276	293	304						Over Range			76	106	138	168	199	232	275	

15"/42 Mk13a 26,518	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																											
				32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10					
Up to range	AP	3	N	21	28	36	44	52	60	68	76	83	91	103	115	127	138	150	162	175	190	209	226	240	253	265					
				-	1	1½	2	2½	3	3½	4	5	6	7	8					DAF			1	2	3	4	5	6	7		
Over range				0	42	70	101	126	155	181	199	219	238	252	260					Over Range			69	97	123	147	172	201	236		

14"/45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																											
				30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7				
35,300				30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7				
Up to range	AP	3	N	20	30	41	52	62	73	85	97	110	124	139	155	171	189	210	235	258	277	290	305	319	334	351	353				
				-	1	1½	2	2½	3	3½	4	5	6	7	8	9	10	11	12	DAF			1	2	3	4	5	6	7	8	
Over range				0	50	87	119	151	186	216	240	267	293	306	315	323	330	339	349	Over Range			78	110	142	169	205	247	280	328	

8" /50	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																											
				14	13	12	11	10	9	8	7	6	5	4	3½	3	2½	2	1½												
27,400																															
Up to range	SAP	6	N	15	26	38	52	66	80	95	114	137	171	194	216	240	260	273	274												
				-	½	1	1½	2	2½	3	3½	4	5							DAF			1	2	3	4	5	6	7	8	
Over range				0	30	89	151	190	208	221	232	245	268							Over Range			72	96	115	135	153	175	201	235	

8" /50	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																									
				9	8	7	6	5	4	3½	3	2½	2																
27,400																													
Up to range	HE	5	N	5	10	15	20	25	45	65	85	110	274																
				2	2½	3	3½														DAF	1	2	3	4	5	6	7	8
Over range				0	175	201	235														Over Range	72	96	115	135	153	175	201	235

6" /50	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																										
				7	6	5	4	3½	3	2½	2	1½																		
23,300																														
Up to range	SAP	8	N	10	28	52	75	93	113	139	192	233																		
				-	½	1	1½	2	2½	3											DAF	1	2	3	4	5	6	7	8	9
Over range				0	40	117	168	192	210	227											Over Range	65	85	103	118	133	151	173	200	232

6"/50	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																												
				6	5	4	3½	3	2½	2	1½																					
23,300																																
Up to range	HE	7	N	14	25	37	46	55	75	95	233																					
				1½	2	2½	3														DAF			1	2	3	4	5	6	7	8	9
Over range				0	173	200	232														Over Range			65	85	103	118	133	151	173	200	232

5.25"/50	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
21,400				5	4	3½	3	2½	2	1½											
Up to range	SAP	8		27	47	64	85	107	142	214											
				-	½	1	1½	2	2½								DAF	1	2	3	4
Over range				0	40	117	166	185	204								Over Range	62	80	98	113

5.25"/50	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
21,400				4	3½	3	2½	2	1½												
Up to range	HE	7		23	32	57	71	95	210												
				1	1½	2	2½										DAF	1	2	3	4
Over range				0	65	188	211										Over Range	62	80	98	113

4.7"/45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
15,550				4	3½	3	2½	2	1½	1											
Up to range	SAP	9		21	32	43	57	75	101	156											
				-	½	1	1½										DAF	1	2	3	4
Over range				0	46	117	143										Over Range	52	64	77	87

4.7"/45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
15,550				4	3½	3	2½	2	1½	1											
Up to range	HE	8		10	15	28	36	57	75	156											
				1	1½	2	2½										DAF	1	2	3	4
Over range				0	90	135	152										Over Range	52	64	77	87

4.5"/45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
19,000				3½	3	2½	2	1½	1												
Up to range	SAP	9		20	35	57	82	123	190												
				-	½	1	1½										DAF	1	2	3	4
Over range				0	40	121	151										Over Range	56	72	86	102

4.5"/45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
19,000				3½	3	2½	2	1½	1												
Up to range	HE	8		10	20	40	60	75	190												
				1	1½	2											DAF	1	2	3	4
Over range				0	148	169											Over Range	56	72	86	102

4"/45	Shell	Damage	Disp	Range 100 x meters vs Penetration in Inches of Class 'A' (vertical/ horizontal) armor																	
15,000				3½	3	2½	2	1½	1												
Up to range	HE	9		7	15	30	50	70	150												
				1	1½												DAF	1	2	3	4
Over range				0	145												Over Range	50	70	90	100