

BRITAIN								#		Fire Control Dates		MAIN BTTY						SEC BTTY						TER BTTY						Belt		Deck		TF		TT		SB		TB		Speed	TORPEDO		MNTS		Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Type	Class	Navv	Date	HULL	SS	FLT	Turrets	DCT	AFC	Cal	FP	Ver	Hor	Pen	Rng	(Kvds)	Types	Load	Cal	FP	Ver	Hor	Pen	Rng	(Kvds)	Types	Load	Cal	FP	Ver	Hor	Pen	Rng	(Kvds)	Types	Load	Cal	FP	Ver	Hor	Pen	Rng	(Kvds)	Types	Load	Factor	Armor	Factor	Armor	PR	PR	Knts	Mnts	_per	Dmg	Value																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
AC	Cressy	RN	1902	34	14	27	2/12/12	---	---	9.2"	4	3	3	15.0	A,C	12			6"	4	2	2	12.6	C,H	6			3"	2	0	0	8.0	H	3			2	2	2	2	2	0	21	2	1	8	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
AC	Drake	RN	1903	37	15	29	2/16/14	---	---	9.2"	4	3	3	15.0	A,C	12			6"	4	2	2	12.6	C,H	6			3"	2	0	0	8.0	H	3			2	2	2	2	2	0	24	2	1	8	7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
AC	Monmouth	RN	1904	31	12	24	12/10/-	---	---	6"	6	2	2	14.6	C,H	11			3"	2	0	0	8.0	H	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</

GERMANY							#	Fire Control Dates			MAIN BTTY							SEC BTTY							TER BTTY							Belt	Deck	TF	TT				Speed	TORPEDO MNTS			Point																				
Type	Class	Navy	Date	HULL	SS	ELT	Turrets	DCT	AEC	Cal	EP	Ver	Hor	Rng	(Ktyds)	Types	Ammo	Load	Cal	EP	Ver	Hor	Rng	(Ktyds)	Types	Ammo	Load	Cal	EP	Ver	Hor	Rng	(Ktyds)	Types	Ammo	Load	Factor	Armor	Factor	Armor	Factor	SB	PR	TB	Knts	Mnts	# per	Dmg	Value														
AC	Prinz Adalbert	KM	1904	31	12	24	2/10/12	---	---	8.3"	6	3	3	18.2	A	7			5.9"	3	2	2	2	15.2	C.H	7		3.5"	3	1	0	9.8	H	7			2	1	2	2	2	0	20	4	1	10	4																
AC	Roon	KM	1905	31	13	25	2/10/14	---	---	8.3"	6	3	3	18.2	A	7			5.9"	3	2	2	2	15.2	C.H	14		3.5"	3	1	0	10.6	H	7			2	1	2	2	2	0	21	4	1	10	4																
AC	Scharnhorst	KM	1907	35	14	27	6/6/18	1912	---	8.3"	7	3	3	18.2	A	7			5.9"	2	2	2	2	13.4	C.H	14		3.5"	3	1	0	10.6	H	5			2	1	2	2	2	0	23	4	1	10	4																
AC	Blucher	KM	1910	43	17	33	6/8/16	1913	---	8.3"	8	3	3	20.8	A	7			5.9"	3	2	2	2	16.2	C.H	12		3.5"	3	1	0	11.6	H	6			3	1	3	2	2	0	25	4	1	12	6																
BB	Nassau	KM	1910	49	20	44	6/12/16	1911	---	11.1"	11	4	4	20.6	A	8			5.9"	3	2	2	2	16.2	C.H	11		3.5"	3	1	0	11.6	H	13			5	2	4	3	2	0	20	6	1	10	9																
BB	Helgoland	KM	1912	55	22	49	6/14/14	1915	---	12"	12	5	4	17.6	A.C	11			5.9"	4	2	2	2	16.2	C.H	11		3.5"	3	1	0	11.6	H	13			5	2	4	3	2	0	21	6	1	12	10																
BB	Kaiser	KM	1913	57	23	51	5/14/8	1915	---	12"	13	5	4	17.6	A.C	11			5.9"	4	2	2	2	16.2	C.H	12		3.5"	2	1	0	11.6	H	13			6	3	5	3	2	0	21	5	1	12	10																
BB	Konig	KM	1915	59	24	53	5/14/6	1915	---	12"	13	5	4	20.2	A.C	12			5.9"	4	2	2	2	15.8	C.H	12		3.5"	2	1	0	11.6	H	13			6	3	5	3	2	0	21	5	1	12	12																
BB	Bayern	KM	1916	61	24	55	4/16/8	1916	---	15"	16	7	6	22.2	A	13			5.9"	4	2	2	2	15.8	C.H	12		3.5"	2	0	0	12.8	H	18			6	4	6	5	2	0	22	5	1	12	16																
BC	Von Der Tann	KM	1911	51	20	44	4/10/16	1912	---	11.1"	11	4	4	20.6	A	9			5.9"	3	2	2	2	16.2	C.H	14		3.5"	3	1	0	11.6	H	13			4	2	4	2	2	0	26	4	1	12	9																
BC	Moltke	KM	1912	55	22	49	5/12/12	1913	---	11.1"	13	4	4	19.6	A	9			5.9"	3	2	2	2	16.2	C.H	12		3.5"	3	1	0	11.6	H	13			4	2	4	2	2	0	27	4	1	12	9																
BC	Seydlitz	KM	1913	58	23	52	5/12/12	1913	---	11.1"	13	4	4	19.6	A	10			5.9"	3	2	2	2	16.2	C.H	12		3.5"	3	1	0	11.6	H	13			5	2	4	3	2	0	27	4	1	12	10																
BC	Derfflinger	KM	1915	60	24	54	4/12/14	1915	---	12"	13	5	4	17.6	A.C	11			5.9"	3	2	2	2	15.8	C.H	11		3.5"	1	1	0	11.6	H	16			5	2	4	3	2	0	26	4	1	12	11																
BC	Hindenburg	KM	1917	60	24	54	4/14/4	1917	---	12"	13	5	4	22.2	A.C	11			5.9"	4	2	2	2	15.8	C.H	11		3.5"	1	0	0	11.6	H	16			5	2	4	3	2	0	27	4	1	12	11																
CL	Hela	KM	1896	15	6	11	4/-/-	---	---	3.5"	3	1	0	7.2	H	6																																															
CL	Gazelle	KM	1901	17	7	12	10/-/-	---	---	4.1"	4	1	0	12.8	C.H	3																																															
CL	Bremen	KM	1904	20	8	14	10/-/-	---	---	4.1"	4	1	0	12.8	C.H	3																																															
CL	Konigsberg-I	KM	1908	21	8	15	10/-/-	1913	---	4.1"	4	1	0	13.4	C.H	3																																															
CL	Dresden	KM	1909	22	9	16	10/-/-	1914	---	4.1"	4	1	0	12.8	C.H	3																																															
CL	Kolberg	KM	1910	23	9	17	12/-/-	1914	---	4.1"	4	1	0	13.8	C.H	3																																															
CL	Magdeburg	KM	1912	26	10	19	12/-/-	1913	---	4.1"	4	1	0	13.8	C.H	3																																															
CL	Karlsruhe	KM	1914	27	11	19	12/-/-	1914	---	4.1"	4	1	0	13.8	C.H	3																																															
CL	Graudenz	KM	1915	27	11	19	7/-/-	1915	---	4.1"	4	1	0	13.8	C.H	3																																															
CL	Pillau	KM	1915	24	10	18	8/-/-	1915	---	5.9"	4	2	2	16.8	C.H	9																																															
CL	Wiesbaden	KM	1915	28	11	20	8/-/-	1915	---	5.9"	4	2	2	16.8	C.H	9																																															
CL	Kolberg-16	KM	1916	23	9	17	6/-/-	1916	---	5.9"	4	2	2	16.8	C.H	3																																															
CL	Konigsberg-II	KM	1916	29	12	21	8/-/-	1916	---	4.1"	4	2	2	19.2	C.H	3																																															
CL	Stralsund	KM	1916r	26	10	19	7/-/-	1916	---	5.9"	4	2	2	16.8	C.H	9																																															
CL	Coln	KM	1918	29	12	21	8/-/-	1918	---	5.9"	4	2	2	19.2	C.H	9																																															
DD	G169	KM	1908	9	4	6	2/-/-	---	---	3.5"	2	1	0	9.0	H	3																																															
DD	V180/G192	KM	1909	9	4	6	2/-/-	---	---	3.5"	2	1	0	9.0	H	3																																															
DD	V1/G7	KM	1911	8	3	5	2/-/-	1914	---	3.5"	2	1	0	9.0	H	3																																															
DD	S31 / V25 / G37	KM	1913	10	4	7	3/-/-	1915	---	3.5"	2	1	0	11.6	H	3																																															
DD	G101	KM	1914	14	5	9	4/-/-	1914	---	3.5"	3	1	0	11.6	H	3																																															
DD	B97	KM	1915	15	6	10	4/-/-	1915	---	3.5"	3	1	0	11.6	H	3																																															
DD	G85	KM	1915	12	5	8	3/-/-	1915	---	4.1"	3	1	0	11.6	H	3																																															
DD	V43	KM	1915	12	5	8	3/-/-	1915	---	3.5"	3	1	0	11.6	H	3																																															
DD	V67	KM	1915	12	5	8	3/-/-	1915	---	3.5"	3	1	0	11.6	H	3																																															
DD	S49	KM	1916r	10	4	7	3/-/-	1916	---	4.1"	3	1	0	11.6	H	3																																															
DD	V125 / S131	KM	1917	12	5	8	3/-/-	1917	---	4.1"	3	1	0	12.8	H	3																																															
OB	Braunschweig	KM	1904	42	17	38	2/14/18	---	---	11"	6	4	4	20.4	A	14			6.7"	5	2	2	2	16.2	C.H	12		3.5"	3	1	0	10.6	H	15			3	2	3	2	2	0	18	6	1	8	5																
OB	Wittelsbach	KM	1904	40	16	36	2/18/12	---	---	9.5"	5	3	3	18.4	A	9			5.9"	4	1	1	1	15.2	C.H	13		3.5"	3	1	0	7.6	H	15			3	2	2	2	2	0	17	6	1</																		

ITALY							Fire Control			MAIN BTTY										SEC BTTY										TER BTTY										Belt	Deck	TF	TT	SB	TB	Speed	TORPEDO MNTS			Point
Type	Class	Navy	Date	HULL	SS	FLT	#	Turrets	Dates	AFC	Cal	FP	Ver	Hor	Rng	Types	Ammo	Ver	Hor	Rng	Types	Ammo	Cal	FP	Ver	Hor	Rng	Types	Ammo	Ver	Hor	Rng	Types	Ammo	Factor	Factor	Factor	Factor	PR	PR	Knts	Mnts	#per	Dmg	Value					
AC	Vittor Pisani	RM	1899	26	11	21	12/4/-	---	---	---	6"	5	1	1	11.4	C,H	9	4.7"	2	1	1	10.6	C,H	7																										
AC	Garibaldi	RM	1901	28	11	22	1/1/14	---	---	---	10"	3	3	3	14.6	A	17	8"	2	3	3	11.4	A,H	13																										
AC	Pisa	RM	1910	33	13	26	2/4/16	1916	---	---	10"	6	4	4	14.6	A	13	7.5"	3	2	3	19.2	C,H	13																										
AC	San Giorgio	RM	1910	35	14	27	2/4/18	1916	---	---	10"	6	4	4	24.4	A	13	7.5"	3	2	3	19.2	C,H	13																										
BB	Dante Alighieri	RM	1913	48	19	43	4/16/13	1917	---	---	12"	14	5	4	26.2	A	17	4.7"	3	1	1	12.0	C,H	8																										
BB	Conte Di Cavour	RM	1914	51	20	46	5/18/13	1915	---	---	12"	15	5	4	21.8	A	17	4.7"	3	1	1	12.0	C,H	10																										
BB	Andrea Doria	RM	1916	51	21	46	5/16/13	1916	---	---	12"	15	5	4	21.8	A	17	6"	4	2	2	13.6	C,H	8																										
CL	Libia	RM	1913	22	9	16	2/8/-	1916	---	---	6"	2	2	2	11.4	C,H	8	4.7"	2	1	1	13.8	C,H	5																										
CL	Quarto	RM	1913	20	8	14	6/6/-	1916	---	---	4.7"	3	1	1	12.1	C,H	4	3"	1	0	0	9.0	H	3																										
CL	Bixio	RM	1914	22	9	16	6/6/-	1915	---	---	4.7"	3	1	1	12.1	C,H	4	3"	1	0	0	9.0	H	3																										
CL	Campania	RM	1917	19	8	14	6/2/-	1917	---	---	6"	3	2	2	11.4	C,H	9	3"	1	0	0	9.0	H	3																										
DD	Soldati Series	RM	1908	6	3	4	4/-/-	1916	---	---	3"	2	0	0	9.2	H	3																																	
DD	Ardito	RM	1912	9	4	6	1/4/-	1917	---	---	4.7"	1	1	1	10.6	C,H	3	3"	1	0	0	8.2	H	3																										
DD	Indomito	RM	1912	9	4	6	1/4/-	---	---	---	4.7"	1	1	1	10.6	C,H	3	3"	1	0	0	8.2	H	3																										
DD	Audace	RM	1914r	10	4	7	1/4/-	---	---	---	4.7"	1	1	1	10.6	C,H	3	3"	1	0	0	8.2	H	3																										
DD	Pilo	RM	1915	10	4	7	4/2/-	1915	---	---	3"	2	0	0	9.2	H	3	3"	1	0	0	6.4	H	3																										
DD	Poerio	RM	1915	12	5	8	6/-/-	1916	---	---	4"	3	1	0	12.8	C,H	6																																	
DD	Mirabello	RM	1916	15	6	10	8/-/-	1917	---	---	4"	3	1	0	12.8	C,H	6																																	
DD	Aquila	RM	1917	15	6	10	3/4/-	1917	---	---	6"	3	2	2	11.4	C,H	6	3"	1	0	0	9.0	H	3																										
DD	La Masa	RM	1917	10	4	7	4/2/-	1917	---	---	4"	3	1	0	12.8	C,H	4	3"	1	0	0	8.2	H	3																										
DD	Sitori	RM	1917	10	4	7	6/-/-	1917	---	---	4"	3	1	0	12.8	C,H	4																																	
OB	Regina Elena	RM	1908	38	15	34	2/6/16	1916	---	---	12"	4	4	3	21.8	A	32	8"	4	3	3	19.8	A,H	13																										
RUSSIA							Fire Control			MAIN BTTY										SEC BTTY										TER BTTY										Belt	Deck	TF	TT	SB	TB	Speed	TORPEDO MNTS			Point
Type	Class	Navy	Date	HULL	SS	FLT	#	Turrets	Dates	AFC	Cal	FP	Ver	Hor	Rng	Types	Ammo	Ver	Hor	Rng	Types	Ammo	Cal	FP	Ver	Hor	Rng	Types	Ammo	Ver	Hor	Rng	Types	Ammo	Factor	Factor	Factor	Factor	PR	PR	Knts	Mnts	#per	Dmg	Value					
AC	Dmitri Donskoi	RU	1895r	20	8	16	6/10/-	---	---	---	6"	5	1	1	7.6	A,H	11	4.7"	4	1	1	7.0	C,H	6																										
AC	Rurik	RU	1896	37	15	29	4/16/6	---	---	---	8"	3	2	2	9.2	A,C,H	25	6"	4	1	1	12.0	A,H	7																										
AC	Rossia	RU	1897	39	16	30	4/16/12	---	---	---	8"	3	2	2	14.0	A,C,H	25	6"	4	1	1	12.0	A,H	7																										
AC	Vladimir Monomakh	RU	1898r	26	10	20	5/8/-	---	---	---	6"	4	1	1	6.0	A,H	11	4.7"	3	1	1	7.0	C,H	6																										
AC	Admiral Nakhimov	RU	1899r	31	13	25	4/10/-	---	---	---	8"	5	2	3	9.2	A,C,H	25	6"	2	1	1	8.0	A,H	5																										
AC	Bayan	RU	1903	29	12	22	2/8/20	---	---	---	8"	3	2	2	17.6	A,C,H	10	6"	3	2	2	17.0	A,H	7																										
AC	Gromoboi	RU	1906r	36	14	28	4/16/24	1916	---	---	8"	4	2	2	14.0	A,C,H	13	6"	5	2	2	12.0	A,H	12																										
AC	Rurik-11	RU	1911r	40	16	32	2/4/20	1915	---	---	10"	5	3	3	15.2	A,H	17	8"	4	2	2	16.8	A,C,H	11																										
BB	Gangut	RU	1914	52	21	47	4/16/-	1914	1914	---	12"	14	5	4	25.4	A,C,H	19	4.7"	4	1	1	15.2	C,H	11																										
BB	Imperatritsa Mariya	RU	1915	51	21	46	4/20/4	1915	---	---	12"	15	5	4	25.4	A,C,H	15	5.1"	5	1	1	16.6	C,H	11																										
CL	Svietlana	RU	1897	22	9	16	6/-/-	---	---	---	6"	5	1	1	12.0	A,H	10																																	
CL	Varyag	RU	1900	28	11	20	12/12/-	---	---	---	6"	5	2	2	12.0	A,H	10	3"	2	0	0	8.4	C,H	6																										
CL	Askold	RU	1901	26	10	19	12/12/-	---	---	---	6"	6	2	2	12.0	A,H	10	3"	2	0	0	8.4	C,H	7																										
CL	Novik	RU	1901	19	8	14	6/-/-	---	---	---	4.7"	4	1	1	10.8	C,H	7																																	

AUSTRIA-HUNGARY							#	Fire Control			MAIN BTTY							SEC BTTY							TER BTTY							Belt	Deck	TF	TT				Speed	TORPEDO MNTS			Point									
Type	Class	Navy	Date	HULL	SS	FLT	Turrets	DCT	AFC	Cal	FP	Pen	Hor	Rng	(Kvds)	Types	Ammo	Load	Cal	FP	Pen	Hor	Rng	(Kvds)	Types	Ammo	Load	Cal	FP	Pen	Hor	Rng	(Kvds)	Types	Ammo	Load	Factor	Factor	Factor	Factor	PR	TB	PR	Knts	Mnts	# per	Dmg	Value				
AC	Kaiser Karl IV	AH	1900	26	10	20	2/8/-	---	---	9.4"	4	4	4	4	19.8	A,H	8	5.9"	3	1	1	1	10.8	C,H	6	5.9"	3	2	3	2	3	17.8	A	11	5.9"	2	1	1	10.8	C,H	7	3	2	3	2	2	0	22	2	1	8	3
AC	Sankt Georg	AH	1905	28	11	22	1/5/4	1915	---	9.4"	4	4	4	4	21.0	A,H	8	7.5"	3	2	3	2	3	17.8	A	11	5.9"	3	1	1	1	16.4	C,H	13	2.6"	1	0	0	9.2	H	10	4	2	4	2	2	0	20	2	1	10	11
BB	Tegetthoff	AH	1914r	48	19	43	4/12/18	1914	---	12"	14	5	4	4	21.8	A	13	5.9"	3	1	1	1	16.4	C,H	13	2.6"	1	0	0	0	9.2	H	10	4	2	4	2	2	2	0	20	2	1	10	11							
CL	Zenta	AH	1900	16	7	12	8/-/-	1916	---	4.7"	5	1	0	10.8	C,H	3																																				
CL	Admiral Spaun	AH	1910	20	8	15	7/-/-	1915	---	3.9"	3	1	0	12.0	H	3																																				
CL	Saida	AH	1914	22	9	16	9/-/-	1914	---	3.9"	3	1	0	12.0	H	3																																				
DD	Magnet	AH	1905r	6	3	4	2/-/-	---	---	2.8"	2	0	0	8.8	H	3																																				
DD	Huszar	AH	1912r	6	3	4	6/-/-	1914	---	2.6"	2	0	0	8.8	H	3																																				
DD	Tatra	AH	1912	10	4	7	2/6/-	1914	---	3.9"	2	1	0	12.0	H	3	2.6"	1	0	0	0	8.8	H	2																												
DD	Warasdiner	AH	1914	10	4	7	2/4/-	1915	---	2.6"	2	1	0	12.0	H	3	2.6"	1	0	0	0	8.8	H	2																												
OB	Habsburg	AH	1903	29	12	26	2/12/10	---	---	9.4"	5	3	3	3	10.0	A,H	8	7.5"	3	2	3	3	10.8	A	12	2.8"	1	0	0	0	8.8	H	5	3	1	4	2	2	0	19	2	1	8	3								
OB	Erzherzog Karl	AH	1906	35	14	31	2/12/12	1915	---	9.4"	5	3	3	3	21.0	A,H	8	7.5"	4	2	3	3	17.8	A	12	2.8"	2	0	0	0	8.8	H	11	3	2	4	2	2	0	20	2	1	8	4								
OB	Radetzky	AH	1911	40	16	36	2/4/20	1914	---	12"	8	5	4	4	21.8	A	13	9.4"	4	3	3	3	19.8	A,H	10	3.9"	3	1	0	12.0	H	6	4	2	4	2	2	2	20	3	1	8	6									
UNITED STATES							#	Fire Control			MAIN BTTY							SEC BTTY							TER BTTY							Belt	Deck	TF	TT				Speed	TORPEDO MNTS			Point									
Type	Class	Navy	Date	HULL	SS	FLT	Turrets	DCT	AFC	Cal	FP	Pen	Hor	Rng	(Kvds)	Types	Ammo	Load	Cal	FP	Pen	Hor	Rng	(Kvds)	Types	Ammo	Load	Cal	FP	Pen	Hor	Rng	(Kvds)	Types	Ammo	Load	Factor	Factor	Factor	Factor	PR	TB	PR	Knts	Mnts	# per	Dmg	Value				
AC	Pennsylvania	US	1906	39	16	31	2/14/18	1916	---	8"	4	2	2	2	17.4	A,C	19	6"	5	2	2	2	13.8	A,C	11	3"	3	0	0	0	9.0	C	6	2	1	2	1	1	0	22	2	1	8	5								
AC	Tennessee	US	1907	40	16	32	2/16/22	1915	---	10"	5	3	3	3	18.2	A,C	10	6"	5	2	2	2	13.8	A,C	11	3"	4	0	0	0	9.0	C	6	2	2	4	2	2	0	22	4	1	8	6								
BB	Delaware	US	1910	47	19	43	5/14/-	1915	---	12"	11	5	4	4	19.8	A,C	21	5"	3	1	1	1	13.4	C	11																											
BB	South Carolina	US	1910	42	17	38	4/22/-	1915	---	12"	10	5	4	4	19.8	A,C	21	3"	3	0	0	0	9.0	C	9																											
BB	Florida	US	1911	48	19	43	5/16/-	1914	1917	12"	11	5	4	4	19.8	A,C	21	5"	4	1	1	1	14.0	C	9																											
BB	Arkansas	US	1912	52	21	47	6/21/-	1914	1917	12"	12	5	4	4	23.0	A,C	21	5"	5	1	1	1	14.0	C	9																											
BB	New York	US	1914	55	22	49	5/21/-	---	1917	14"	12	6	6	6	23.4	A,C	24	5"	5	1	1	1	14.0	C	10																											
BB	Nevada	US	1916	55	22	49	4/21/-	---	1916	14"	12	6	6	6	23.4	A,C	24	5"	5	1	1	1	15.8	C	10																											
BB	Pennsylvania	US	1916	58	23	53	4/22/-	---	1916	14"	14	6	6	6	23.4	A,C	24	5"	5	1	1	1	15.8	C	10																											
BB	New Mexico	US	1918	59	24	53	4/22/-	---	1918	14"	14	6	6	6	25.0	A,C	24	5"	4	1	1	1	15.8	C	10																											
CL	Denver	US	1904	19	8	14	10/-/-	1916	---	5"	5	1	1	1	13.4	C	5																																			
CL	Saint Louis	US	1906	34	13	24	14/18/-	1915	---	6"	8	2	1	1	13.8	A,C	6	3"	3	0	0	0	8.0	H	6																											
CL	Chester	US	1908	22	9	16	2/6/-	1916	---	5"	2	1	1	1	16.6	C	5	3"	2	0	0	0	10.2	C	3																											
DD	Monaghan	US	1911	9	4	6	5/-/-	1917	---	3"	3	0	0	0	10.2	C	2																																			
DD	Cassin	US	1912	12	5	8	4/-/-	1916	---	4"	3	1	0	15.8	C	5																																				
DD	O'Brien	US	1914	12	5	8	4/-/-	1916	---	4"	3	1	0	15.8	C	5																																				
DD	Tucker	US	1915	12	5	8	4/-/-	1916	---	4"	3	1	0	15.8	C	5																																				
DD	Sampson	US	1916	12	5	8	4/-/-	---	---	4"	3	1	0	15.8	C	5																																				
DD	Caldwell	US	1917	12	5	8	4/-/-	---	---	4"	3	1	0	15.8	C	5																																				
DD	Wickes	US	1918	12	5	8	4/-/-	---	---	4"	3	1	0	15.8	C	5																																				
OB	Vermont	US	1907	42	17	38	2/4/12	---	---	12"	6	5	4	4	19.8	A,C	13	8"	4	2	3	3	22.4	A,C	22	7"	4	2	1	1	16.4	A,C	9	4	1	4	2	3	2	18	4	1	8	7								
OB	Mississippi	US	1908	38	15	35	2/4/8	---	---	12"	6	5	4	4	19.8	A,C	16	8"	3	2	3	3	22.4	A,C	22	7"	3	2	1	1	16.4	A,C	9	3	1	4	1	3	2	17	2	1	8	6								

**Notes:** \* Increased Elevation allowed these guns to fire out to Range 5 from 1916 on.  
**Ammo Types:** A= Armor Piercing, C= Common/SAP, H= High Explosive  
**DCT** = Year of Director Control Tower (DCT) fitting ("---" means either was not fitted before war's end or was never fitted)  
**AFC** = Year of Automatic Fire Control (AFC) system fitting (such as Pollen / Ford 'clock' systems and Dreyer tables)

USA		Gun										RADAR FIT			#	MAIN BTTY										Ammo		Ammo		SEC BTTY										Ammo		Ammo		TER BTTY										Ammo		Ammo		Belt	Deck	TF	TT	SB	TB	#			Torps/	Torp	Speed																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Type	Class	Navy	Year	HULL	SS	FLT	Acc	40-41	42-43	44-45	Turrets	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Armor	Armor	Armor	Armor	PR	PR	TPS	Mnts	Mnt	Dam	Knts	PV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
BB	Colorado	USN	1923	58	23	56	A	S1	F1	F2	4/14/8	16"	17	8	8	34.0	A,H	21	5"	3	0	1	15.8	A,C	12	5"	3	0	1	15.4	A,C	12	5"	3	0	1	14.4	H	10	6	5	8	5	2	0	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

*Note: RN Torpedoes have a "15" FP rating from 1944+ (Torpex warheads)*



JAPAN							Gun	RADAR FIT			#	MAIN BTTY						Ammo	Ammo	SEC BTTY						Ammo	Ammo	TER BTTY						Ammo	Ammo	Belt	Deck	TF	TT	SB	TB	#	Torps/	Torp	Speed																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Type	Class	Navy	Year	HULL	SS	FLT	Acc	40-41	42-43	44-45	Turrets	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Cal	FP	V	Pen	H	Pen	Rng	Types	Load	Armor	Armor	Armor	Armor	PR	PR	TPS	Mnts	Mnt	Dam	Knts	PV																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
BB	Nagato	IJN	1936r	62	25	60	G	---	---	F1	4/18/4	16.1"	17	8	7	42.2	A,H	17	5.5"	4	0	2	22.4	C,H	8	5"	3	0	1	16.0	H	10	5	6	6	6	6	2	0	2							25	18																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
BB	Ise	IJN	1937r	58	23	56	A	---	---	F1	6/16/4	14"	15	6	7	31.2	A,H	20	5.5"	4	0	2	20.8	C,H	8	5"	3	0	1	16.0	H	10	5	5	5	5	2	0	1							25	15																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
BB	Fuso	IJN	1941r	58	23	56	A	---	---	F1	6/14/4	14"	15	6	7	38.6	A,H	20	6"	4	1	2	20.6	C,H	12	5"	3	0	1	16.0	H	10	5	5	5	5	2	0	1							24	15																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
BB	Yamato	IJN	1941	82	33	79	E	---	---	F1	3/4/6	18.1"	20	10	8	45.8	A,H	21	6.1"	5	1	3	29.8	A	10	5"	3	0	1	16.0	H	12	9	7	11	7	2	1	2							27	28																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
BB	Yamato-43	IJN	1943r	82	33	79	E	---	---	F1	3/2/12	18.1"	20	10	8	45.8	A,H	21	6.1"	4	1	3	29.8	A	10	5"	5	0	1	16.0	H	12	9	7	11	7	2	1	2							27	28																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
BC	Kongo	IJN	1940r	56	23	51	A	---	S1	F1	4/14/4	14"	12	6	7	38.6	A,H	20	6"	3	1	2	20.6	C,H	12	5"	3	0	1	16.0	H	10	4	4	4	4	2	0	1							30	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
CA	Tone	IJN	1939	40	16	31	A	---	---	F1	4/4	8"	7	2	5	32.2	A,H	10	5"	3	0	2	16.0	H	8																			4	3	15	35	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
CA	Furutaka	IJN	1939r	34	14	27	A	---	---	---	3/4	8"	6	2	5	32.2	A,H	13	4.7"	1	0	1	17.4	C,H	10																						2	4	15	35	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CA	Aoba	IJN	1940r	34	14	27	A	---	---	S1	3/4	8"	6	2	5	31.6	A,H	13	4.7"	1	0	1	17.4	C,H	10																						2	4	15	35	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CA	Mogami	IJN	1940r	40	16	31	A	---	---	F1	5/4	8"	8	2	5	32.2	A,H	10	5"	3	0	2	16.0	H	8																						4	3	15	35	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CA	Takao	IJN	1940r	40	16	31	A	---	---	F1	5/4	8"	8	2	5	31.6	A,H	10	4.7"	3	0	2	17.4	C,H	10																							2	4	15	34	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CA	Myoko	IJN	1941r	40	16	31	A	---	---	F1	5/4	8"	8	2	5	31.6	A,H	10	5"	3	0	2	16.0	C,H	10																							2	4	15	33	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CL	Tenryu	IJN	1919	18	7	13	A	---	---	---	4/-	5.5"	3	0	2	17.4	C,H	18																													2	3	10	33	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CL	Yubari	IJN	1923	18	7	13	A	---	---	---	4/-	5.5"	4	0	2	20.8	C,H	18																													2	2	15	35	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CL	Sendai	IJN	1929r	24	10	17	A	---	---	---	7/2	5.5"	4	0	2	20.8	C,H	18	3"	1	0	0	11.8	H	7																							2	4	15	35	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CL	Kuma	IJN	1939r	24	10	17	F	---	---	S1	7/2	5.5"	4	0	2	19.2	C,H	18																													2	4	10	33	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CL	Nagara	IJN	1939r	24	10	17	F	---	---	---	7/2	5.5"	4	0	2	19.2	C,H	18																													2	4	10	32	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
CL	Katori	IJN	1940	26	10	19	A	---	---	S1	2/1	5.5"	3	0	2	22.4	C,H	15	5"	1	0	2	16.0	H	8																							2	2	10	18	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CL	Kitakami	IJN	1941r	24	10	17	A	---	---	---	4/-	5.5"	3	0	2	19.2	C,H	11																														10	4	15	32	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CL	Agano	IJN	1942	30	12	22	A	---	---	F1	3/2	6"	4	1	2	22.8	C,H	15	3"	1	0	0	14.8	H	7																							2	4	15	35	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CL	Oyodo	IJN	1943	32	13	23	A	---	---	F1	2/4	6.1"	5	1	3	29.8	A	15	3.9"	2	0	1	21.2	H	5																										1	1	1	1	0																																																																																																																																																																																																																																																																																																																																																																																																																																																													</