Kasuga

CA JAPAN 1904 to 1914

2702-0 KASUGA Class

Displacement	7,628 ts	*Length*	357 ft	Ansaldo, Genoa	
Complement	600	*Beam*	62 ft	*Launched*	10/22/1902
Scrapped 1948		*Draft*	24 ft	*Completed*	01/07/1904

SEEKRIEG 5

SHIP LOG SHEET

Version 1/12/2006

1 x 25cm/40.3 — 32

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	14,485 yds	29.0"	10.0"	500.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1S1	None		COM	HE
AA 0.0	Level S	Ammunition	80 rpg	80	

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	7	7	4	5	3	4	3
10 - 18	8	5	5	3	3	2	3	2
19 - 27	6	4	4	2	3	2	2	1
28 - 36	5	3	3	2	2	1	2	1
37 - 45	5	3	3	2	2	1	2	1

AP — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	4.0	3.7	3.1	2.6							
Rge	S	S	S	M	M	L	L							
H	0.2	0.5	0.8	1.1	1.5	1.8	2.5							
V	11.9	9.7	7.8	6.4	5.3	4.7	4.1							

2 x 20cm/45 No. 2 EOC — 24

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	14,505 yds	29.0"	8.0"	250.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	2S1	None		COM	HE
AA 0.0	Level S	Ammunition	100 rpg	200	

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	9	6	6	3	4	2	3	2
10 - 18	6	4	4	2	3	2	2	1
19 - 27	5	3	3	2	2	1	2	1
28 - 36	4	2	2	1	2	1	1	1
37 - 45	4	2	2	1	2	1	1	1

AP — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	4.0	3.7	3.1	2.5							
Rge	S	S	S	M	M	L	L							
H	0.9	0.2	0.4	0.6	1.0	1.3	2.0							
V	8.9	6.9	5.3	4.1	3.3	2.9	2.5							

14 x 15cm/40 EOC Z — 16

Max ROF		Range		Shell Size/Weight	
6.0	sh/min	11,082 yds	22.2"	6.0"	100.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
2	2Y1	None		COM	HE
AA 0.0	Level S	Ammunition	150 rpg	2100	

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	7	4	4	3	3	2	2	1
10 - 18	5	3	3	2	2	1	2	1
19 - 27	4	2	2	1	2	1	1	1
28 - 36	3	2	2	1	1	1	1	1
37 - 45	3	2	2	1	1	1	1	1

AP — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.6	6.2	5.0	4.0	3.3	3.0								
Rge	S	S	M	M	L	L								
H	0.1	0.2	0.4	0.6	0.9	1.0								
V	6.5	4.6	3.3	2.6	2.2	2.1								

Coal (ts)	1190	Oil (ts)	0	Radius (nm/kts)		Search Radar	ASW MORTARS/ATW	DEPTH CHARGES	
Engines	2-shaft VTE			5500	10	None	0	Rack	0
Boilers	8					None	None	Ammo	0

Crew	Sea	BR	Targ Sz	Ops
			1	

Captain

AIRCRAFT

Aircraft	0	Catapult	0

Torpedo mounts: 2, 1, 4, 3

TORPEDOES

TT	4	Ammo	8
18" Mk V*			
Damage Class	H		
Settings			
2,000/26			
3,000/21			
4,000/18			

MINES: 0

RAPID FIRE BATTERIES

RF1	10	3"/40 12pdr QF			
Max Rg	7,990	16.0"	5	4	
Eff Rg	3,596	7.2"	8	6	
RF 16	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA S	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

RF2	6	3pdr QF Mk I			
Max Rg	7,900	15.8"	5	4	
Eff Rg	3,555	7.1"	8	6	
RF 8	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA L	Port	4	3	2	1	1
	Stbd	4	3	2	1	1

RF3	None
Max Rg	
Eff Rg	
RF Port	
Stbd	
AA Port	
Stbd	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Kasuga

TIER	DP
1/70	159
2/80	317
3/75	476
4/85	635
5/80	794
6/90	936
7/85	1079
8/95	1222
9/90	1365
10	1508
10	1603

DP	1587
KTS	20

Engine Rm	2	20	11	0	0	0	0
Prop/Shaft	2	20	10	0	0	0	0
Boiler Rm	4	20	18	12	5	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed Increase	00-08 kt	09-11 kt	12+ kt
	3.0	2.0	1.0

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		4

Fuel Code	CL1D

ARMOR	0.83	Actual
1H DECK	1.2	1.5
2H TURRET	2.9	3.5
3H SUPERSTR	1.3	1.6
4V CON	5.0	6.0
5V BELT MID	5.0	6.0
6V BELT END	0.0	0.0
7V BARBETTE	5.0	6.0
8V TURRET	5.0	6.0
9V SUPERSTR	2.0	2.4

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
SECONDARY BATTERY																					
																				B2D	Directed fire as range permits
																				B2L	Local control as range permits
																				B2P	Split fire
																				B2C	Change target
																				B2B	Barrage fire as range permits
TERTIARY AND RF BATTERY																					
																				B3D	Directed fire as range permits
																				B3L	Local Control as range permits
																				B3P	Split fire
																				B3C	Change target
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity	T#	Fire	Current Severity

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kasuga

CA JAPAN 1915 to 1924

2702-1 KASUGA Class

Displacement	7,628 ts	*Length*	357 ft	Ansaldo, Genoa	
Complement	600	*Beam*	62 ft	*Launched*	10/22/1902
Scrapped 1948		*Draft*	24 ft	*Completed*	01/07/1904

SEEKRIEG 5

SHIP LOG SHEET

Version 1/12/2006

Captain

1 x 25cm/40.3 — 32

Max ROF	Range	Shell Size/Weight
2.0 sh/min	14,485 yds 29.0"	10.0" 500.0 lbs.

Fire Control	FC Radar	AP	SAP
1 1Q2	None +0	COM	HE

AA 0.0 Level S Ammunition 80 rpg 80

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

AP — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	4.0	3.7	3.1	2.6							
Rge	S	S	S	M	M	L	L							
H	0.2	0.5	0.8	1.1	1.5	1.8	2.5							
V	11.9	9.7	7.8	6.4	5.3	4.7	4.1							

2 x 20cm/45 No. 2 EOC — 24

Max ROF	Range	Shell Size/Weight
2.0 sh/min	16,135 yds 32.3"	8.0" 250.0 lbs.

Fire Control	FC Radar	AP	SAP
1 2S2	None +0	COM	HE

AA 0.0 Level S Ammunition 100 rpg 200

T Kts	Short		Medium		Long		Extreme	
0 - 9	9	6	6	4	5	3	4	2
10 - 18	7	4	4	3	3	2	3	2
19 - 27	5	3	4	2	3	2	2	1
28 - 36	5	3	3	2	2	1	2	1
37 - 45	4	3	3	2	2	1	2	1

APC — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	4.0	3.7	3.1	2.4	2.2						
Rge	S	S	S	M	M	L	L	L						
H	0.1	0.3	0.4	0.6	0.8	1.1	1.8	2.2						
V	9.5	7.4	5.7	4.4	3.6	3.2	3.0	2.9						

14 x 15cm/40 EOC Z — 16

Max ROF	Range	Shell Size/Weight
6.0 sh/min	11,082 yds 22.2"	6.0" 100.0 lbs.

Fire Control	FC Radar	AP	SAP
2 2Y1	None +0	COM	HE

AA 0.0 Level S Ammunition 150 rpg 2100

T Kts	Short		Medium		Long		Extreme	
0 - 9	7	4	4	3	3	2	2	1
10 - 18	5	3	3	2	2	1	2	1
19 - 27	4	2	2	1	2	1	1	1
28 - 36	3	2	2	1	1	1	1	1
37 - 45	3	2	2	1	1	1	1	1

AP — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.6	6.2	5.0	4.0	3.3	3.0								
Rge	S	S	M	M	L	L								
H	0.1	0.2	0.4	0.6	0.9	1.0								
V	6.5	4.6	3.3	2.6	2.2	2.1								

Coal (ts)	1190	Oil (ts)	0
Engines	2-shaft VTE		
Boilers	12 Kampon		

Radius (nm/kts)	
5500	10

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	

2 1 4 3

TORPEDOES

TT	4	Ammo	8

18" Mk VI*

Damage Class H

Settings

4,000/35

MINES

0

RAPID FIRE BATTERIES

RF1 10 — 3"/40 12pdr QF

Max Rg	7,990	16.0"	5	4
Eff Rg	3,596	7.2"	8	6

RF 16	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA S	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

RF2 6 — 3pdr QF Mk I

Max Rg	7,900	15.8"	5	4
Eff Rg	3,555	7.1"	8	6

RF 8	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA L	Port	4	3	2	1	1
	Stbd	4	3	2	1	1

RF3 — None

Max Rg	
Eff Rg	

RF	Port					
	Stbd					
AA	Port					
	Stbd					

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Kasuga

TIER	DP
1/70	159
2/80	317
3/75	476
4/85	635
5/80	794
6/90	936
7/85	1079
8/95	1222
9/90	1365
10	1508
10	1603

DP	1587
KTS	20

Engine Rm	2	20	11	0	0	0	0
Prop/Shaft	2	20	10	0	0	0	0
Boiler Rm	4	20	18	12	5	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed Increase	00-08 kt	09-11 kt	12+ kt
	3.0	2.0	1.0

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		4

Fuel Code	CL1D

ARMOR	0.83	Actual
1H DECK	1.2	1.5
2H TURRET	2.9	3.5
3H SUPERSTR	1.3	1.6
4V CON	5.0	6.0
5V BELT MID	5.0	6.0
6V BELT END	0.0	0.0
7V BARBETTE	5.0	6.0
8V TURRET	5.0	6.0
9V SUPERSTR	2.0	2.4

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
SECONDARY BATTERY																					
																				B2D	Directed fire as range permits
																				B2L	Local control as range permits
																				B2P	Split fire
																				B2C	Change target
																				B2B	Barrage fire as range permits
TERTIARY AND RF BATTERY																					
																				B3D	Directed fire as range permits
																				B3L	Local Control as range permits
																				B3P	Split fire
																				B3C	Change target
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity	T#	Fire	Current Severity

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Nisshin

CA JAPAN 1904 to 1914

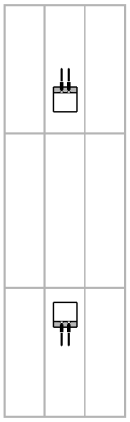
2703-0 NISSHIN Class

Displacement	7,698 ts	*Length*	357 ft	Ansaldo, Genoa	
Complement	600	*Beam*	62 ft	*Launched*	02/09/1903
Target 1936		*Draft*	24 ft	*Completed*	01/07/1904

SEEKRIEG 5

SHIP LOG SHEET

Version 1/12/2006



4 x 20cm/45 No. 2 EOC — 24

Max ROF	Range	Shell Size/Weight
2.0 sh/min	14,505 yds 29.0"	8.0" 250.0 lbs.

Fire Control	FC Radar	AP	SAP
2 2S1	+ 0 None	COM	HE

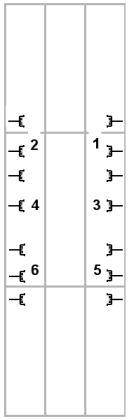
AA	0.0	Level	S	Ammunition	100 rpg	400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	9	6	6	3	4	2	3	2
10 - 18	6	4	4	2	3	2	2	1
19 - 27	5	3	3	2	2	1	2	1
28 - 36	4	2	2	1	2	1	1	1
37 - 45	4	2	2	1	2	1	1	1

AP PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	4.0	3.7	3.1	2.5							
Rge	S	S	S	M	M	L	L							
H	0.9	0.2	0.4	0.6	1.0	1.3	2.0							
V	8.9	6.9	5.3	4.1	3.3	2.9	2.5							



14 x 15cm/40 EOC Z — 16

Max ROF	Range	Shell Size/Weight
6.0 sh/min	11,082 yds 22.2"	6.0" 100.0 lbs.

Fire Control	FC Radar	AP	SAP
2 2Y1	+ 0 None	COM	HE

AA	0.0	Level	S	Ammunition	150 rpg	2100

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	7	4	4	3	3	2	2	1
10 - 18	5	3	3	2	2	1	2	1
19 - 27	4	2	2	1	2	1	1	1
28 - 36	3	2	2	1	1	1	1	1
37 - 45	3	2	2	1	1	1	1	1

AP PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.6	6.2	5.0	4.0	3.3	3.0								
Rge	S	S	M	M	L	L								
H	0.1	0.2	0.4	0.6	0.9	1.0								
V	6.5	4.6	3.3	2.6	2.2	2.1								

Coal (ts)	1190	Oil (ts)	0
Engines	2-shaft VTE		
Boilers	8		

Radius (nm/kts)	
5500	10

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	

2 1 4 3

TORPEDOES

TT	4	Ammo	8

18" Mk V*

Damage Class	H

Settings

2,000/26

3,000/21

4,000/18

MINES

0			

RAPID FIRE BATTERIES

RF1	10	3"/40 12pdr QF				
Max Rg	7,990	16.0"	5	4		
Eff Rg	3,596	7.2"	8	6		

RF						
16	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF2	6	3pdr QF Mk I				
Max Rg	7,900	15.8"	5	4		
Eff Rg	3,555	7.1"	8	6		

RF						
8	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	4	3	2	1	1
L	Stbd	4	3	2	1	1

RF3		None				
Max Rg						
Eff Rg						

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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TIER	DP
1/70	159
2/80	319
3/75	478
4/85	638
5/80	797
6/90	940
7/85	1084
8/95	1227
9/90	1371
10	1514
10	1610

DP	1594
KTS	20

Engine Rm	2	20	11	0	0	0	0
Prop/Shaft	2	20	10	0	0	0	0
Boiler Rm	4	20	18	12	5	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed Increase	00-08 kt	09-11 kt	12+ kt
	3.0	2.0	1.0

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		4

Fuel Code	CL1D

ARMOR	0.83	Actual
1H DECK	1.2	1.5
2H TURRET	2.9	3.5
3H SUPERSTR	1.3	1.6
4V CON	5.0	6.0
5V BELT MID	5.0	6.0
6V BELT END	0.0	0.0
7V BARBETTE	5.0	6.0
8V TURRET	5.0	6.0
9V SUPERSTR	2.0	2.4

Nisshin

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
SECONDARY BATTERY																					
																				B2D	Directed fire as range permits
																				B2L	Local control as range permits
																				B2P	Split fire
																				B2C	Change target
																				B2B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity	T#	Fire	Current Severity

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity

Nisshin

CA **JAPAN** 1915 to 1924

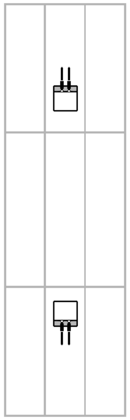
2703-1 NISSHIN Class

Displacement	7,698 ts	*Length*	357 ft	Ansaldo, Genoa	
Complement	600	*Beam*	62 ft	*Launched*	02/09/1903
Target 1936		*Draft*	24 ft	*Completed*	01/07/1904

SEEKRIEG 5

SHIP LOG SHEET

Version 1/12/2006



4 x 20cm/45 No. 2 EOC — 24

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	16,135 yds	32.3"	8.0"	250.0 lbs.

Fire Control		FC Radar	+ 0	AP	SAP
2	2S2	None		COM	HE

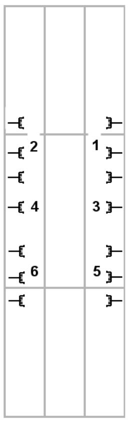
AA	0.0	Level	S	Ammunition	100 rpg	400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	9	6	6	4	5	3	4	2
10 - 18	7	4	4	3	3	2	3	2
19 - 27	5	3	4	2	3	2	2	1
28 - 36	5	3	3	2	2	1	2	1
37 - 45	4	3	3	2	2	1	2	1

APC — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	4.0	3.7	3.1	2.4	2.2						
Rge	S	S	S	M	M	L	L	L						
H	0.1	0.3	0.4	0.6	0.8	1.1	1.8	2.2						
V	9.5	7.4	5.7	4.4	3.6	3.2	3.0	2.9						



14 x 15cm/40 EOC Z — 16

Max ROF		Range		Shell Size/Weight	
6.0	sh/min	11,082 yds	22.2"	6.0"	100.0 lbs.

Fire Control		FC Radar	+ 0	AP	SAP
2	2Y1	None		COM	HE

AA	0.0	Level	S	Ammunition	150 rpg	2100

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	7	4	4	3	3	2	2	1
10 - 18	5	3	3	2	2	1	2	1
19 - 27	4	2	2	1	2	1	1	1
28 - 36	3	2	2	1	1	1	1	1
37 - 45	3	2	2	1	1	1	1	1

AP — PENETRATION TABLE

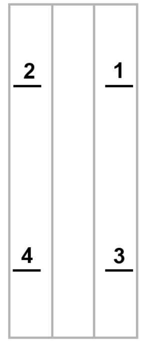
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.6	6.2	5.0	4.0	3.3	3.0								
Rge	S	S	M	M	L	L								
H	0.1	0.2	0.4	0.6	0.9	1.0								
V	6.5	4.6	3.3	2.6	2.2	2.1								

Coal (ts)	1190	Oil (ts)	0	Radius (nm/kts)		Search Radar	ASW MORTARS/ATW	DEPTH CHARGES	
Engines	2-shaft VTE			5500	10	None	0	Rack	0
Boilers	12 Kampon					None	None	Ammo	0

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0	Catapult	0



TORPEDOES

TT	4	Ammo	8
18" Mk VI*			
Damage Class	H		
Settings			
4,000/35			

MINES

0

RAPID FIRE BATTERIES

RF1	10	3"/40 12pdr QF			
Max Rg	7,990	16.0"	5	4	
Eff Rg	3,596	7.2"	8	6	
RF 16	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA S	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

RF2	6	3pdr QF Mk I			
Max Rg	7,900	15.8"	5	4	
Eff Rg	3,555	7.1"	8	6	
RF 8	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA L	Port	4	3	2	1	1
	Stbd	4	3	2	1	1

RF3		None
Max Rg		
Eff Rg		
RF	Port	
	Stbd	
AA	Port	
	Stbd	

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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7/85	1084
8/95	1227
9/90	1371
10	1514
10	1610

DP	1594
KTS	20

Engine Rm	2	20	11	0	0	0	0
Prop/Shaft	2	20	10	0	0	0	0
Boiler Rm	4	20	18	12	5	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed Increase	00-08 kt	09-11 kt	12+ kt
	3.0	2.0	1.0

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		4

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7V BARBETTE	5.0	6.0
8V TURRET	5.0	6.0
9V SUPERSTR	2.0	2.4

Nisshin

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E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity	T#	Fire	Current Severity

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity