







# Brandenburg

BB GERMANY 1904 to 1915  
0402-1 BRANDENBURG Class

Displacement 10,500 ts  
Complement 581  
Stricken 05/13/1919

Length 373 ft | A G Vulcan, Stettin  
Beam 64 ft | Launched 09/21/1891  
Draft 25.9 ft | Completed 11/19/1893



## SHIP LOG SHEET

Version 2/18/2009

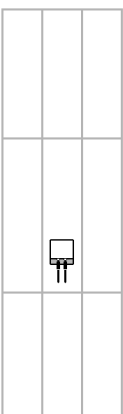


4 x 28cm MRKL/40 C/92 33

Max ROF	Range	Shell Size/Weight	
1.5 sh/min	15,900 yds 31.8"	11.0"	529.0 lbs.
Fire Control	FC Radar	AP	SAP
2 1R1	+ 0	COM	HE
AA	0.0	Level	S
Ammunition	60 rpg 240		

FIRE CONTROL TABLE					
T Kts	Short	Medium	Long	Extreme	
0 - 9	11	7	7	4	5 3 4 2
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	4	3	3	2	2 1 1 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	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.2	0.4	0.6	0.8	1.1	1.5	2.5	2.9						
V	11.5	8.9	6.9	5.5	4.7	4.2	3.5	3.3						

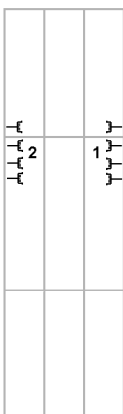


2 x 28cm MRKL/35 C/92 33

Max ROF	Range	Shell Size/Weight	
1.5 sh/min	15,655 yds 31.3"	11.0"	529.0 lbs.
Fire Control	FC Radar	AP	SAP
1 2Y1	+ 0	COM	HE
AA	0.0	Level	S
Ammunition	100 rpg 200		

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	3.0	3.0	3.0	3.0	3.0	2.9	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8						
V	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6						



8 x 10.5cm SKL/35 C/91 11

Max ROF	Range	Shell Size/Weight	
11.0 sh/min	12,117 yds 24.2"	4.1"	38.4 lbs.
Fire Control	FC Radar	AP	SAP
2 2Y1	+ 0	COM	HE
AA	2.3	Level	S
Ammunition	100 rpg 800		

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

SAP	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	7.3	5.7	4.5	3.5	2.8	2.2	2.2							
Rge	S	S	M	L	L	E	E							
H	0.1	0.2	0.3	0.4	0.7	1.1	1.2							
V	2.4	1.7	1.3	1.1	0.9	0.7	0.7							

Coal (ts)	1000	Oil (ts)	110	Radius (nm/kts)	4300 10	Search Radar	None	ASW MORTARS/ATW		DEPTH CHARGES	Rack
Engines	2 vertical 3-cyl TE				2180 14	None				Ammo	
Boilers	12 cylindrical					None					

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT			
Aircraft	0	Catapult	0

TORPEDOES			
TT	5	Ammo	10
45cm C/03			
Damage Class	G		
Settings			
1,640/31			
3,280/26			
MINES			

RAPID FIRE BATTERIES			
RF1	8	8.8cm SKL/30	
Max Rg	8,701	17.4"	5 4
Eff Rg	3,915	7.8"	8 6

RF	Port	4	3	2	1	1
24	Stbd	4	3	2	1	1

AA	Port	9	7	5	3	1
S	Stbd	9	7	5	3	1

RF2	None					
Max Rg						
Eff Rg						

RF	Port					
0	Stbd					

AA	Port					
S	Stbd					

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
S	Stbd					

AA	Port					
S	Stbd					

Captain

Excellent sea boat with very easy motion and 30% speed loss under hard rudder. Using 28cm M1901 APC shell.

T#	BTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS





# Kurfurst Friedrich Wilhelm

**BB GERMANY** 1894 to 1904  
**0404-0 BRANDENBURG Class**

Displacement  
 Complement  
 Sunk 08/08/1915

10,500 ts Length 373 ft Imperial Dockyard, Wilhelmshaven  
 568 Beam 64 ft Launched 06/30/1891  
 Draft 25.9 ft Completed 04/29/1894



## SHIP LOG SHEET

Version 2/18/2009

Captain \_\_\_\_\_

Excellent sea boat with very easy motion and 30% speed loss under hard rudder. Wet at high speed in head sea with severe pitching.



### 4 x 28cm MRKL/40 C/92

33

<b>Max ROF</b> 1.5 sh/min		<b>Range</b> 16,109 yds 32.2"		<b>Shell Size/Weight</b> 11.0" 529.0 lbs.	
<b>Fire Control</b> 1 1Y1		<b>FC Radar</b> + 0 None		<b>AP</b> SAP <b>COM</b> HE	
<b>AA</b> 0.0	<b>Level</b> S	<b>Ammunition</b> 60 rpg 240			

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	9 5	5 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	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		
<b>ROF</b>	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.1								
<b>Rge</b>	S	S	S	M	M	L	L	E								
<b>H</b>	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8								
<b>V</b>	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6								

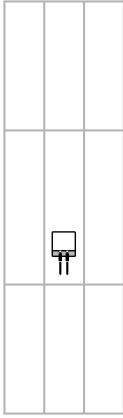
<b>Crew</b>	<b>Sea</b>	<b>BR</b>	<b>Targ Sz</b>	<b>Ops</b>
			1	

AIRCRAFT			
Aircraft	0	Catapult	0

2	1	<b>TORPEDOES</b>	
		<b>TT</b> 6	<b>Ammo</b> 16
		45cm C45/91S	
4	3	<b>Damage Class</b>	<b>G</b>
		<b>Settings</b>	
		550/33	
		1,300/27	
6	5	<b>MINES</b>	

RAPID FIRE BATTERIES					
<b>RF1</b>	8	8.8cm SKL/30 C/86			
<b>Max Rg</b>	7,633	15.3"	4	3	
<b>Eff Rg</b>	3,435	6.9"	6	5	
<b>RF</b>	<b>Port</b>	4	3	2	1
<b>18</b>	<b>Stbd</b>	4	3	2	1
<b>AA</b>	<b>Port</b>	0	0	0	0
<b>S</b>	<b>Stbd</b>	0	0	0	0



### 2 x 28cm MRKL/35 C/92

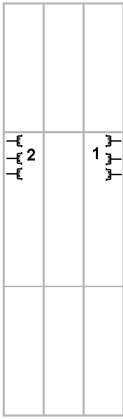
33

<b>Max ROF</b> 1.5 sh/min		<b>Range</b> 15,655 yds 31.3"		<b>Shell Size/Weight</b> 11.0" 529.0 lbs.	
<b>Fire Control</b> 1 2Y1		<b>FC Radar</b> + 0 None		<b>AP</b> SAP <b>COM</b> HE	
<b>AA</b> 0.0	<b>Level</b> S	<b>Ammunition</b> 100 rpg 200			

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		
<b>ROF</b>	3.0	3.0	3.0	3.0	3.0	2.9	2.3	2.2								
<b>Rge</b>	S	S	M	M	M	L	L	L								
<b>H</b>	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8								
<b>V</b>	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6								

<b>RF2</b>	None				
<b>Max Rg</b>					
<b>Eff Rg</b>					
<b>RF</b>	<b>Port</b>				
<b>0</b>	<b>Stbd</b>				
<b>AA</b>	<b>Port</b>				
	<b>Stbd</b>				
<b>RF3</b>	None				
<b>Max Rg</b>					
<b>Eff Rg</b>					
<b>RF</b>	<b>Port</b>				
	<b>Stbd</b>				
<b>AA</b>	<b>Port</b>				
	<b>Stbd</b>				



### 6 x 10.5cm SKL/35 C/91

11

<b>Max ROF</b> 11.0 sh/min		<b>Range</b> 11,811 yds 23.6"		<b>Shell Size/Weight</b> 4.1" 38.4 lbs.	
<b>Fire Control</b> 2 2Y1		<b>FC Radar</b> + 0 None		<b>AP</b> SAP <b>COM</b> HE	
<b>AA</b> 0.0	<b>Level</b> S	<b>Ammunition</b> 100 rpg 600			

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		

SAP		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		
<b>ROF</b>	7.2	5.6	4.3	3.5	2.8	2.3										
<b>Rge</b>	S	M	M	L	L	E										
<b>H</b>	0.1	0.2	0.4	0.6	0.9	1.3										
<b>V</b>	3.1	2.1	1.8	1.5	1.2	1.0										

<b>Coal (ts)</b> 1000	<b>Oil (ts)</b> 110	<b>Radius (nm/mts)</b>	<b>Search Radar</b>	<b>ASW MORTARS/ATW</b>	<b>DEPTH CHARGES</b>
<b>Engines</b> 2 vertical 3-cyl TE		4300 10	None		Rack
<b>Boilers</b> 12 cylindrical		2180 14	None		Ammo





# Kurfurst Friedrich Wilhelm

BB GERMANY 1905 to 1910  
0404-1 BRANDENBURG Class

Displacement	10,500 ts	Length	373 ft	Imperial Dockyard, Wilhelmshaven	
Complement	581	Beam	64 ft	Launched	06/30/1891
Sold to Turkey	09/12/1910	Draft	25.9 ft	Completed	04/29/1894

# SEEKRIEG 5

## SHIP LOG SHEET

Version 2/18/2009



### 4 x 28cm MRKL/40 C/92 33

Max ROF		Range		Shell Size/Weight	
1.5	sh/min	15,900 yds	31.8"	11.0"	529.0 lbs.

Fire Control		FC Radar		+ 0	
2	1R1	None			

AA	0.0	Level	S	Ammunition	60 rpg	240
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#### 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	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.2	0.4	0.6	0.8	1.1	1.5	2.5	2.9						
V	11.5	8.9	6.9	5.5	4.7	4.2	3.5	3.3						

### FIRE CONTROL TABLE

T Kts	Short	Medium	Long	Extreme					
0 - 9	11	7	4	5	3	4	2		
10 - 18	8	5	3	2	3	2	3	2	
19 - 27	6	4	2	3	2	2	2	1	
28 - 36	5	3	2	2	1	2	1	2	1
37 - 45	4	3	2	2	1	1	1	1	1

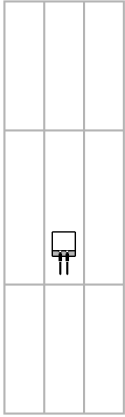
Crew	Sea	BR	Targ Sz	Ops
			1	

### AIRCRAFT

Aircraft	0	Catapult	0
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Captain

Excellent sea boat with very easy motion and 30% speed loss under hard rudder. Using 28cm M1901 APC shell.



### 2 x 28cm MRKL/35 C/92 33

Max ROF		Range		Shell Size/Weight	
1.5	sh/min	15,655 yds	31.3"	11.0"	529.0 lbs.

Fire Control		FC Radar		+ 0	
1	2Y1	None			

AA	0.0	Level	S	Ammunition	100 rpg	200
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#### 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	3.0	3.0	3.0	3.0	3.0	2.9	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8						
V	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6						

### FIRE CONTROL TABLE

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

TORPEDOES			
TT	5	Ammo	10

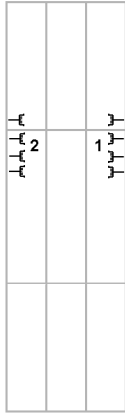
45cm C/03			
Damage Class	G		
Settings			
1,640/31			
3,280/26			

### MINES

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### RAPID FIRE BATTERIES

RF1	8	8.8cm SKL/30				
Max Rg	8,701	17.4"	5	4		
Eff Rg	3,915	7.8"	8	6		
RF	Port	4	3	2	1	1
24	Stbd	4	3	2	1	1
AA	Port	9	7	5	3	1
S	Stbd	9	7	5	3	1



### 8 x 10.5cm SKL/35 C/91 11

Max ROF		Range		Shell Size/Weight	
11.0	sh/min	11,811 yds	23.6"	4.1"	38.4 lbs.

Fire Control		FC Radar		+ 0	
2	2Y1	None			

AA	0.0	Level	S	Ammunition	100 rpg	800
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#### SAP 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	7.2	5.6	4.3	3.5	2.8	2.3								
Rge	S	M	M	L	L	E								
H	0.1	0.2	0.4	0.6	0.9	1.3								
V	3.1	2.1	1.8	1.5	1.2	1.0								

### FIRE CONTROL TABLE

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

RF2	None					
Max Rg						
Eff Rg						
RF	Port					
0	Stbd					
AA	Port					
	Stbd					
RF3	None					
Max Rg						
Eff Rg						
RF	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	1000	Oil (ts)	110	Radius (nm/kts)	Search Radar		ASW MORTARS/ATW		DEPTH CHARGES			
Engines	2 vertical 3-cyl TE			4300	10	None				Rack		
Boilers	12 cylindrical			2180	14	None				Ammo		

T#	BTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND5	HITS











# Weissenburg

BB GERMANY 1904 to 1910  
0403-1 BRANDENBURG Class

Displacement 10,500 ts Length 373 ft A G Vulcan, Stettin  
Complement 581 Beam 64 ft Launched 12/14/1891  
Sold to Turkey 09/12/1910 Draft 25.9 ft Completed 10/14/1894

# SEEKRIEG 5

## SHIP LOG SHEET

Version 2/18/2009



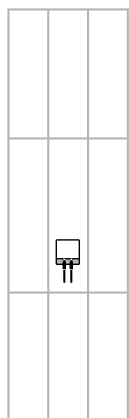
### 4 x 28cm MRKL/40 C/92

33

Max ROF		Range		Shell Size/Weight	
1.5	sh/min	15,900 yds	31.8"	11.0"	529.0 lbs.
Fire Control		FC Radar		+ 0	
1	1R1	None		AP	SAP
				COM	HE
AA	0.0	Level	S	Ammunition	60 rpg 240

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	11	7	7	4	5	3
10 - 18	8	5	5	3	3	2
19 - 27	6	4	4	2	3	2
28 - 36	5	3	3	2	2	1
37 - 45	4	3	3	2	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	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.2	0.4	0.6	0.8	1.1	1.5	2.5	2.9						
V	11.5	8.9	6.9	5.5	4.7	4.2	3.5	3.3						



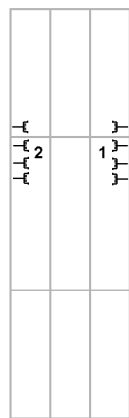
### 2 x 28cm MRKL/35 C/92

33

Max ROF		Range		Shell Size/Weight	
1.5	sh/min	15,655 yds	31.3"	11.0"	529.0 lbs.
Fire Control		FC Radar		+ 0	
1	2Y1	None		AP	SAP
				COM	HE
AA	0.0	Level	S	Ammunition	100 rpg 200

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	7	4	4	3	3	2
10 - 18	5	3	3	2	2	1
19 - 27	4	2	2	1	2	1
28 - 36	3	2	2	1	1	1
37 - 45	3	2	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	3.0	3.0	3.0	3.0	3.0	2.9	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8						
V	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6						



### 8 x 10.5cm SKL/35 C/91

11

Max ROF		Range		Shell Size/Weight	
11.0	sh/min	11,811 yds	23.6"	4.1"	38.4 lbs.
Fire Control		FC Radar		+ 0	
2	2Y1	None		AP	SAP
				COM	HE
AA	0.0	Level	S	Ammunition	100 rpg 800

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

SAP		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	7.2	5.6	4.3	3.5	2.8	2.3								
Rge	S	M	M	L	L	E								
H	0.1	0.2	0.4	0.6	0.9	1.3								
V	3.1	2.1	1.8	1.5	1.2	1.0								

Crew	Sea	BR	Targ Sz	Ops
			1	

Captain

Excellent sea boat with very easy motion and 30% speed loss under hard rudder. Using 28cm M1901 APC shell.

AIRCRAFT				
Aircraft	0	Catapult	0	

TORPEDOES			
TT	5	Ammo	10
45cm C/03			
Damage Class	G		
Settings			
1,640/31			
3,280/26			
MINES			

### RAPID FIRE BATTERIES

RF1	8	8.8cm SKL/30				
Max Rg	8,701	17.4"	5	4		
Eff Rg	3,915	7.8"	8	6		
RF	Port	4	3	2	1	1
	Stbd	4	3	2	1	1
AA	Port	9	7	5	3	1
	Stbd	9	7	5	3	1

RF2	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					
AA	Port					
	Stbd					

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	1000	Oil (ts)	110	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	2 vertical 3-cyl TE			4300	10	None			Rack		
Boilers	12 cylindrical			2180	14	None			Ammo		





# Worth

BB GERMANY 1893 to 1902  
0401-0 BRANDENBURG Class

Displacement 10,500 ts  
Complement 568  
Stricken 05/13/1919

Length 373 ft  
Beam 64 ft  
Draft 25.9 ft  
Germania Dockyard, Kiel  
Launched 08/06/1892  
Completed 10/31/1893



## SHIP LOG SHEET

Version 2/18/2009



### 4 x 28cm MRKL/40 C/92

33

Max ROF		Range		Shell Size/Weight	
1.5	sh/min	16,109 yds	32.2"	11.0"	529.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1Y1	None		COM	HE
AA	0.0	Level	S	Ammunition	60 rpg 240

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	9	5	5	3	4	2
10 - 18	6	4	4	2	3	2
19 - 27	5	3	3	2	2	1
28 - 36	4	2	2	1	2	1
37 - 45	3	2	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	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.1						
Rge	S	S	S	M	M	L	L	E						
H	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8						
V	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6						

### 2 x 28cm MRKL/35 C/92

33

Max ROF		Range		Shell Size/Weight	
1.5	sh/min	15,655 yds	31.3"	11.0"	529.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	2Y1	None		COM	HE
AA	0.0	Level	S	Ammunition	100 rpg 200

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	7	4	4	3	3	2
10 - 18	5	3	3	2	2	1
19 - 27	4	2	2	1	2	1
28 - 36	3	2	2	1	1	1
37 - 45	3	2	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	3.0	3.0	3.0	3.0	3.0	2.9	2.3	2.2						
Rge	S	S	M	M	M	L	L	L						
H	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8						
V	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6						

### 6 x 10.5cm SKL/35 C/91

11

Max ROF		Range		Shell Size/Weight	
11.0	sh/min	11,811 yds	23.6"	4.1"	38.4 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
2	2Y1	None		COM	HE
AA	0.0	Level	S	Ammunition	100 rpg 600

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

SAP		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	7.2	5.6	4.3	3.5	2.8	2.3								
Rge	S	M	M	L	L	E								
H	0.1	0.2	0.4	0.6	0.9	1.3								
V	3.1	2.1	1.8	1.5	1.2	1.0								

Crew	Sea	BR	Targ Sz	Ops
			1	
AIRCRAFT				
Aircraft	0		Catapult	0

2		1		TORPEDOES	
				TT	6
				Ammo	16
				45cm C45/91S	
				Damage Class	G
				Settings	
				550/33	
				1,300/27	
				MINES	

RAPID FIRE BATTERIES					
RF1	8	8.8cm SKL/30 C/86			
Max Rg	7,633	15.3"	4	3	
Eff Rg	3,435	6.9"	6	5	
RF	Port	4	3	2	1
18	Stbd	4	3	2	1
AA	Port	0	0	0	0
S	Stbd	0	0	0	0

RF2	None				
Max Rg					
Eff Rg					
RF	Port				
0	Stbd				
AA	Port				
	Stbd				

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

Captain

Excellent sea boat with very easy motion and 30% speed loss under hard rudder. Wet at high speed in head sea with severe pitching.

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

Coal (ts)	1000	Oil (ts)	110	Radius (nm/kts)	Search Radar	ASW MORTARS/ATW	DEPTH CHARGES
Engines	2 vertical 3-cyl TE			4300 10	None		Rack
Boilers	12 cylindrical			2180 14	None		Ammo





**Worth**  
**BB GERMANY** 1903 to 1915  
**0401-1 BRANDENBURG Class**

Displacement 10,500 ts | Length 373 ft | Germania Dockyard, Kiel  
 Complement 581 | Beam 64 ft | Launched 08/06/1892  
 Stricken 05/13/1919 | Draft 25.9 ft | Completed 10/31/1893



**SHIP LOG SHEET**

Version 2/18/2009



**4 x 28cm MRKL/40 C/92**

**33**

Max ROF		Range		Shell Size/Weight	
1.5 sh/min		15,900 yds	31.8"	11.0" 529.0 lbs.	
Fire Control		FC Radar		AP	SAP
1 1R1		None		COM	HE
AA		Level	S	Ammunition	
0.0				60 rpg 240	

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	11	7	7	4	5	3
10 - 18	8	5	5	3	3	2
19 - 27	6	4	4	2	3	2
28 - 36	5	3	3	2	2	1
37 - 45	4	3	3	2	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	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.2							
Rge	S	S	M	M	M	L	L	L							
H	0.2	0.4	0.6	0.8	1.1	1.5	2.5	2.9							
V	11.5	8.9	6.9	5.5	4.7	4.2	3.5	3.3							

**2 x 28cm MRKL/35 C/92**

**33**

Max ROF		Range		Shell Size/Weight	
1.5 sh/min		15,655 yds	31.3"	11.0" 529.0 lbs.	
Fire Control		FC Radar		AP	SAP
1 2Y1		None		COM	HE
AA		Level	S	Ammunition	
0.0				100 rpg 200	

FIRE CONTROL TABLE						
T Kts	Short	Medium	Long	Extreme		
0 - 9	7	4	4	3	3	2
10 - 18	5	3	3	2	2	1
19 - 27	4	2	2	1	2	1
28 - 36	3	2	2	1	1	1
37 - 45	3	2	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	3.0	3.0	3.0	3.0	3.0	2.9	2.3	2.2							
Rge	S	S	M	M	M	L	L	L							
H	0.4	0.7	1.0	1.2	1.5	1.9	3.1	3.8							
V	8.0	6.4	5.1	4.2	3.6	3.4	2.7	2.6							

**8 x 10.5cm SKL/35 C/91**

**11**

Max ROF		Range		Shell Size/Weight	
11.0 sh/min		12,117 yds	24.2"	4.1" 38.4 lbs.	
Fire Control		FC Radar		AP	SAP
2 2Y1		None		COM	HE
AA		Level	S	Ammunition	
2.3				100 rpg 800	

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

SAP		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	7.3	5.7	4.5	3.5	2.8	2.2	2.2								
Rge	S	S	M	L	L	E	E								
H	0.1	0.2	0.3	0.4	0.7	1.1	1.2								
V	2.4	1.7	1.3	1.1	0.9	0.7	0.7								

Crew	Sea	BR	Targ Sz	Ops
			1	

Captain

Excellent sea boat with very easy motion and 30% speed loss under hard rudder. Using 28cm M1901 APC shell.

**AIRCRAFT**

Aircraft	0	Catapult	0
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**TORPEDOES**

TT	5	Ammo	10
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45cm C/03

Damage Class	G
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Settings

1,640/31

3,280/26

**MINES**

**RAPID FIRE BATTERIES**

RF1	8	8.8cm SKL/30			
Max Rg	8,701	17.4"	5	4	
Eff Rg	3,915	7.8"	8	6	

RF	Port	4	3	2	1	1
	Stbd	4	3	2	1	1

AA	Port	9	7	5	3	1
	Stbd	9	7	5	3	1

**RF2** None

Max Rg				
Eff Rg				

RF	Port					
	Stbd					

AA	Port					
	Stbd					

**RF3** None

Max Rg				
Eff Rg				

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	1000	Oil (ts)	110	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	2 vertical 3-cyl TE			4300	10	None				Rack	
Boilers	12 cylindrical			2180	14	None				Ammo	

