Z28

DD **GERMANY** 1941 to 1944

4142-0 1936A TYPE Class

Displacement	2,596 ts	*Length*	400 ft	Deschimag, Bremen	
Complement	332	*Beam*	39 ft	*Launched*	08/20/1940
Sunk 03/06/1945		*Draft*	14 ft	*Completed*	08/09/1941

SEEKRIEG 5

SHIP LOG SHEET

Version 1/25/2007

4 x 15cm TBK C/36 16

Max ROF	Range	Shell Size/Weight
7.0 sh/min	22,792 yds 45.6"	5.9" 99.9 lbs.

Fire Control	FC Radar	+ 2
1	FuMO 24	
1G3		

AP	SAP
COM	HE

AA	2.9	Level	S	Ammunition	120 rpg	480

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	21	14	16	11	14	9	12	8
10 - 18	16	11	12	8	11	7	9	6
19 - 27	14	9	11	7	9	6	8	5
28 - 36	12	8	9	6	8	5	7	5
37 - 45	11	7	9	6	7	5	7	4

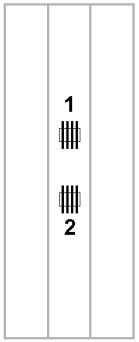
SAPBC PENETRATION TABLE

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	7.8	6.7	5.7	4.9	4.2	3.6	2.9	2.3	1.9	1.7				
Rge	S	S	S	S	M	M	L	L	E	E				
H	0.2	0.3	0.4	0.5	0.5	0.6	0.8	1.3	1.9	2.3				
V	8.3	6.9	5.7	4.7	3.8	3.2	2.2	2.1	1.9	2.0				

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	8	Ammo	16

53cm G7a T1

Damage Class C

Settings

6,500/44

8,800/40

15,300/30

MINES

60

RAPID FIRE BATTERIES

RF1 4 **3.7cm SK L/83 C30**

Max Rg	9,295	18.6"	9	7	
Eff Rg	4,183	8.4"	13	10	

RF						
8	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	9	7	5	3	1
M	Stbd	9	7	5	3	1

RF2 5 **2cm Flak L/65 C30**

Max Rg	5,358	10.7"	9	7	
Eff Rg	2,411	4.8"	13	10	

RF						
3	Port	3	2	1	1	0
	Stbd	3	2	1	1	0
AA	Port	8	6	4	3	1
L	Stbd	8	6	4	3	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

TIER	DP
1/70	93
2/80	185
3/75	278
4/85	370
5/80	463
6/90	546
7/85	630
8/95	713
9/90	796
10	880
10	935

DP	926
KTS	38

Engine Rm	2	38	22	0	0	0	0
Prop/Shaft	2	38	19	0	0	0	0
Boiler Rm	3	38	31	14	0	0	0
			0	0	0	0	0

Standard Turn	
45	
Emergency Turn	
60	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-12 kt	13-21 kt	22-27 kt	28-30 kt	31+ kt	
Increase	13.0	9.0	6.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		2

Fuel Code	F109

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

Z28

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
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	
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

Z28

DD **GERMANY** 1944 to 1945

4142-1 1936A TYPE Class

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Complement	332	*Beam*	39 ft	*Launched*	08/20/1940
Sunk 03/06/1945		*Draft*	14 ft	*Completed*	08/09/1941

SEEKRIEG 5

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AA	2.9	Level	S	Ammunition	120 rpg	480

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SAPBC — 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
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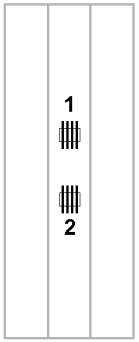
Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



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RF1 — 10 — 3.7cm SK L/83 C30

Max Rg	9,295	18.6"	9	7
Eff Rg	4,183	8.4"	13	10

RF 8	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA M	Port	21	17	12	7	3
	Stbd	21	17	12	7	3

RF2 — 12 — 2cm Flak L/65 C38

Max Rg	5,358	10.7"	9	7
Eff Rg	2,411	4.8"	13	10

RF 4	Port	6	5	3	2	1
	Stbd	6	5	3	2	1
AA L	Port	34	27	19	11	5
	Stbd	34	27	19	11	5

RF3 — None

Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	0	Oil (ts)	804
Engines	Wagner GT		
Boilers	6 Wagner		

Radius (nm/kts)	
2900	19

Search Radar
FuMO 63/Hohentwiel-K
None

ASW MORTARS/ATW			DEPTH CHARGES			
4xK Guns			Rack	2		
			Ammo	64		

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