Cushing (DD 376)

DD **UNITED STATES** 1942 to 1942

6589-1 MAHAN Class

Displacement	1,488 ts	*Length*	334 ft	Puget Sound Navy Yard	
Complement	158	*Beam*	35 ft	*Launched*	12/31/1935
Sunk 11/13/1942		*Draft*	12.3 ft	*Completed*	08/28/1936

SEEKRIEG 5

SHIP LOG SHEET

Version 12/10/2005

4 x 5"/38 Mk 12 13

Max ROF	Range		Shell Size/Weight	
14.0 sh/min	18,101 yds	36.2"	5.0"	55.2 lbs.

Fire Control			FC Radar	+ 0
1		1F3	None	

AP	SAP
COM	HE

AA	3.1	Level	V	Ammunition	300 rpg	1200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	23	16	18	13	15	11	14	10
10 - 18	18	12	14	10	12	8	10	7
19 - 27	15	11	12	8	10	7	9	6
28 - 36	13	9	10	7	9	6	8	5
37 - 45	12	9	10	7	8	6	7	5

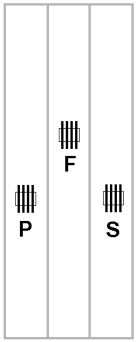
COM — PENETRATION TABLE

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	7.7	6.4	5.2	4.3	3.5	2.9	2.2	1.6	1.5					
Rge	S	S	S	M	M	L	E	E	E					
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.9	2.1					
V	6.6	4.9	3.6	2.8	2.3	1.5	1.4	1.5	1.6					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	12	Ammo	12

21" Mark 15

Damage Class	B

Settings: 6,000/45 | 10,000/33 | 15,000/26

MINES

RAPID FIRE BATTERIES

RF1	6	20mm/70 Mks 1-4			
Max Rg	4,800	9.6"	9	7	
Eff Rg	2,160	4.3"	13	10	

RF						
4	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	23	18	13	8	3
L	Stbd	23	18	13	8	3

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	0	Oil (ts)	522
Engines	2 GE Turbines		
Boilers	4 B&W		

Radius (nm/kts)	
6900	12
4360	20

Search Radar
SC-1
None

ASW MORTARS/ATW			DEPTH CHARGES		
4 K-Guns			Rack	2	
			Ammo	24	

Captain

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

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Cushing (DD 376)

TIER	DP
1/70	70
2/80	140
3/75	210
4/85	280
5/80	351
6/90	414
7/85	477
8/95	540
9/90	603
10	666
10	708

DP	701
KTS	35

Engine Rm	1	35	0	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
45	
Emergency Turn	
60	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-11 kt	12-19 kt	20-25 kt	26-28 kt	29+ kt	
Increase	12.0	9.0	5.0	3.0	1.0	

Crew

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

Fuel Code	DD5B

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

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