

# ***A and A Game Engineering Stations Manned and Ready***

## **Game data file for Germany - World War 2**

This data file contains precalculated game data for ships of the above nation.

Each record shows the class name, ship type, and construction date, followed by the vessel's base game data in the same layout as that used in the rules.

This is followed by the armament, again in the same layout, though the presentation is slightly different.

The final section shows, on the left, the ships in the class, which may also show a date from, or until which that ship's values are valid.

In the right hand section you will find details of all the other equipment carried and used in the game. Note that there may be asterisks or other marks which cross reference between the ships on the left and the special data on the right. Again, ship specific equipment and values are shown. Most special game data is headed with a bullet point.

All information in this document is (c) A A Game Engineering and is for use with our rule sets. It may not be used for any other purpose without our express agreement.

Data for the following ship classes is included in this document

BB	Bismarck
BB	Tirpitz (1942)
BC	Scharnhorst
BBL	Deutschland
CA	Hipper (1st group)
CA	Hipper (2nd group)
CL	Karlsruhe ('K')
CL	Leipzig
CL	Nuernberg
DD	Type 1934
DD	Type 1934A
DD	Type 1936
DD	Type 1936A (1940)
DD	Type 1936A (1941 Z28)
DD	Type 1936A (1942)
DD	Type 1936A (Mob) (1941)
TB	Type 1923
TB	Type 1924
TB	Type 1935 (1939/40)
TB	Type 1937 (1941)
TB	Type 1939 (1942-1944)

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

### Germany

<b>Bismarck</b>	1936	110	29	+2	5 RB	8	5	2746
BB	Battleship	43	12	10	5	11	11	5
8x15" SKC/34 (L/48) — AT2: B(x2).S(x2)		15	5	14	12	10	9	7
12x5.9" SKC/28 (L/52) — AT2: PB(x3).SB(x3)		3	5	5	3	2	1	0
16x4.1" SKC/33 (L/60) DP — S2: PB(x4).SB(x4)		2	4	4	2	1	0	—
Bismarck		Scout Planes: 4; SRAA: 4; DP: 6						
<b>Tirpitz (1942)</b>	1936	110	29	+2	5 RB	8	5	2814
BB	Battleship	43	12	10	5	11	11	5
8x15" SKC/34 (L/48) — AT2: B(x2).S(x2)		15	5	14	12	10	9	7
12x5.9" SKC/28 (L/52) — AT2: PB(x3).SB(x3)		3	5	5	3	2	1	0
16x4.1" SKC/33 (L/60) DP — S2: PB(x4).SB(x4)		2	4	4	2	1	0	—
6x21" G7a T1 (1938) — TT3: PB.SB		5	3	+1	+1	+0	—	—
Tirpitz		Scout Planes: 4; SRAA: 7; DP: 6						
<b>Scharnhorst</b>	1935	80	32	+2	5 RB	6	4	1684
BC	Battle Cruiser	34	11	10	4	10	11	6
9x11.1" SKC/34 (L/51) — AT3: B(x2).S		9	5	11	9	7	5	4
12x5.9" SKC/28 (L/52) — AT2: PB(x2).SB(x2); S1: PB(x2).SB(x2)		3	5	5	3	2	1	0
14x4.1" SKC/33 (L/60) DP — S2: PB(x3).SB(x3).CB		2	4	4	2	1	0	—
6x21" G7a T1 (1938) — TT3: PB.SB		5	3	+1	+1	+0	—	—
Scharnhorst, Gneisenau		Scout Planes: 3; SRAA: 3; DP: 5 <ul style="list-style-type: none"> <li>• Scharnhorst: No Torpedoes before February 1942 (cost -38); SRAA 5 from February 1942 (Channel Dash) (cost +20)</li> <li>• Gneisenau: No torpedoes (cost -38); SRAA 4 from February 1942 (cost +10)</li> </ul>						
<b>Deutschland</b>	1929	24	28	+0	4 RB	3	3	795
BBL	"Pocket Battleship"	15	9	4	2	6	6	0
6x11.1" SKC/28 (L/49) — AT3: B.S		6	5	11	8	6	5	4
8x5.9" SKC/28 (L/52) — S1: PB(x4).SB(x4)		3	5	5	3	2	1	0
6x4.1" SKC/33 (L/60) DP — S2: PB.CB.SB		2	4	4	2	1	0	—
8x21" G7a T1 (1938) — TT4: SLP.SLS		5	3	+1	+1	+0	—	—
Deutschland (later Luetzow), Admiral Scheer, Admiral Graf Spee		Scout Planes: 2; SRAA: 3; DP: 3 <ul style="list-style-type: none"> <li>• Luetzow: SRAA 4 from 1944 (cost +10)</li> <li>• Scheer: SRAA 5 from 1944 (cost +20)</li> </ul>						
<b>Hipper (1st group)</b>	1935	28	33	+0	4 RB	3	4	639
CA	Heavy Cruiser	15	10	4	2	6	6	0
8x8" SKC/34 (L/56) — AT2: B(x2).S(x2)		4	5	8	6	4	3	2
12x4.1" SKC/33 (L/60) DP — S2: PB(x3).SB(x3)		2	4	4	2	1	0	—
12x21" G7a T1 (1938) — TT3: PB(x2).SB(x2)		5	3	+1	+1	+0	—	—
Admiral Hipper, Bluecher		Scout Planes: 3; SRAA: 3; DP: 5 <ul style="list-style-type: none"> <li>• Admiral Hipper: SRAA 5 from 1942 (cost +20)</li> </ul>						

Class Name Type	Date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

### Germany

<b>Hipper (2nd group)</b>	1936	31	33	+ 0	5 RB	3	4	655
CA Heavy Cruiser		17	10	4	2	6	6	0
8x8" SKC/34 (L/56) — AT2: B(x2),S(x2)		4	5	8	6	4	3	2
12x4.1" SKC/33 (L/60) DP — S2: PB(x3),SB(x3)		2	4	4	2	1	0	—
12x21" G7a T1 (1938) — TT3: PB(x2),SB(x2)		5	3	+1	+1	+0	—	—
Prinz Eugen		Scout Planes: 3; SRAA: 3; DP: 5 • SRAA 4 from December 1941 (cost +10), 5 in 1942 (cost +20)						
<b>Karlsruhe ('K')</b>	1926	12	32	- 1	4 RB	2	3	354
CL Light Cruiser		8	8	3	2	5	2	0
9x5.9" SKC/25 (L/57) — AT3: B.S(x2)		3	5	6	4	2	1	0
12x21" G7a T1 (1938) — TT3: PB(x2),SB(x2)		5	3	+1	+1	+0	—	—
Koenigsberg, Karlsruhe, Koeln		Scout Planes: 2; SRAA: 4 • Koeln: aircraft and 2xTT3 removed in 1942 (cost -38); SRAA 5 in 1944 (cost +10 in addition to adjustment from 1942)						
<b>Leipzig</b>	1928	12	32	- 1	4 RB	2	3	354
CL Light Cruiser		8	8	3	1	5	2	0
9x5.9" SKC/25 (L/57) — AT3: B.S(x2)		3	5	6	4	2	1	0
12x21" G7a T1 (1938) — TT3: PB(x2),SB(x2)		5	3	+1	+1	+0	—	—
Leipzig		Scout Planes: 2; SRAA: 4 • 1941: 2 x TT3 removed (cost -38) • 1944: SRAA 6, all TT and aircraft removed (overall cost -8 in addition to 1941 alterations)						
<b>Nuernberg</b>	1934	14	32	- 1	4 RB	2	3	372
CL Light Cruiser		8	8	6	1	5	4	0
9x5.9" SKC/25 (L/57) — AT3: B.S(x2)		3	5	6	4	2	1	0
12x21" G7a T1 (1938) — TT3: PB(x2),SB(x2)		5	3	+1	+1	+0	—	—
Nuernberg		Scout Planes: 2; SRAA: 5 • June 1940: 2 x TT3 removed (cost -38) • August 1942: aircraft removed, SRAA 6 (cost +10 in addition to earlier adjustment) • 1944: SRAA 7 (cost +10 in addition to earlier adjustment)						
<b>Type 1934</b>	1935	3	38	- 2	3 RB	1	2	196
DD Destroyer		3	6	0	0	0	0	0
5x5" SKC/34 (L/42) — S1: B(x2),CB.S(x2)		4	4	4	3	1	0	—
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z1 Leberecht Maass, Z2 Georg Thiele, Z3 Max Schultz, Z4 Richard Beitzen		SRAA: 2						
<b>Type 1934A</b>	1936	3	38	- 2	3 RB	1	2	196
DD Destroyer		3	6	0	0	0	0	0
5x5" SKC/34 (L/42) — S1: B(x2),CB.S(x2)		4	4	4	3	1	0	—
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z5 Paul Jacobi, Z6 Theodor Riedel, Z7 Hermann Schoemann, Z8 Bruno Heinemann, Z9 Wolfgang Zenker, Z10 Hans Lody, Z11 Bernd von Arnim, Z12 Erich Giese, Z13 Erich Koellner, Z14 Friedrich Ihn, Z15 Erich Steinbrinck, Z16 Friedrich Eckoldt		SRAA: 2						

<i>Class Name</i>	<i>Date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Type</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

**Germany**

<b>Type 1936</b>	1937	4	40	- 2	3 RB	1	2	211
DD Destroyer		4	6	0	0	0	0	0
5x5" SKC/34 (L/42) — S1: B(x2),CB.S(x2)		4	4	4	3	1	0	—
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z17 Diether von Roeder, Z18 Hans Luedemann, Z19 Hermann Kuenne, Z20 Karl Galster, Z21 Wilhelm Heidkamp, Z22 Anton Schmitt		SRAA: 2						
<b>Type 1936A (1940)</b>	1939	5	39	- 2	3 RB	1	2	193
DD Destroyer		5	6	0	0	0	0	0
4x5.9" Tbsts KC/36 (L/46) — S1: B.CB.S(x2)		3	5	5	3	2	1	0
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z23 to Z27, Z29, Z30		SRAA: 2						
		• Z23 to Z25, Z27 to Z30: SRAA 3 from 1942 (cost +10)						
		• Z23, Z24, Z25, Z29 had twin turret fitted later.						
<b>Type 1936A (1941 Z28)</b>	1939	5	39	- 2	3 RB	1	2	193
DD Destroyer		5	6	0	0	0	0	0
4x5.9" Tbsts KC/36 (L/46) — S1: B.CB.S(x2)		3	5	5	3	2	1	0
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z28		SRAA: 2						
		• SRAA 3 from 1942 (cost +10)						
<b>Type 1936A (1942)</b>	1939	5	39	- 2	3 RB	1	2	218
DD Destroyer		5	6	0	0	0	0	0
5x5.9" Tbsts KC/36 (L/46) — UT2: B; S1: CB, S(x2)		3	5	5	3	2	1	0
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z23 (Feb 1942), Z24, Z25 (late 1942), Z29 (1945)		SRAA: 3						
		• Twin turret was fitted at dates shown by names.						
		• Z24: SRAA 4 in June 1944 (cost +10)						
		• Z25 and Z29: SRAA 4 in 1945 (cost +10)						
<b>Type 1936A (Mob) (1941)</b>	1941	5	39	- 2	3 RB	1	2	208
DD Destroyer		5	6	0	0	0	0	0
5x5.9" Tbsts KC/36 (L/46) — UT2: B; S1: CB, S(x2)		3	5	5	3	2	1	0
8x21" G7a T1 (1938) — TT4: CB(x2)		5	3	+1	+1	+0	—	—
Z31 to Z34, Z37 to Z39		SRAA: 2						
		• SRAA in all from 1943: 3 (cost +10)						
		• Z31 lost 5.9" UT2 in 1945, replaced with 4.1" gun in S1 mounting.						
<b>Type 1923</b>	1926	2	34	- 3	3 RB	1	1	111
TB Torpedo Boat		2	4	0	0	0	0	0
3x4.1" SKC/28 (L/51) — S1: B.S(x2)		2	4	4	2	1	0	—
6x21" G7a T1 (1938) — TT3: CB(x2)		5	3	+1	+1	+0	—	—
Moewe, Greif, Seeadler, Albatros, Kondor, Falke		SRAA: 1						

<i>Class Name</i>	<i>Date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Type</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

**Germany**

<b>Type 1924</b>	1927	2	35	- 3	3 RB	1	1	112
TB	Torpedo Boat	2	4	0	0	0	0	0
3x4.1" SKC/28 (L/51) — S1: B.S(x2)		2	4	4	2	1	0	—
6x21" G7a T1 (1938) — TT3: CB(x2)		5	3	+1	+1	+0	—	—
Wolf, Iltis, Jaguar, Leopard, Luchs, Tiger		<i>SRAA: 1</i> • <i>SRAA 2 from 1943/44 (cost +10)</i>						
<b>Type 1935 (1939/40)</b>	1938	2	36	- 3	3 RB	1	1	128
TB	Torpedo Boat	2	4	0	0	0	0	0
1x4.1" SKC/32 (L/46) DP — S1: S		2	3	3	2	1	—	—
6x21" G7a T1 (1938) — TT3: CB(x2)		5	3	+1	+1	+0	—	—
T1 to T12		<i>SRAA: 3; DP: 1</i> • <i>1943: 1xTT3 removed in some ships (overall cost -23)</i>						
<b>Type 1937 (1941)</b>	1939	2	36	- 3	3 RB	1	1	128
TB	Torpedo Boat	2	4	0	0	0	0	0
1x4.1" SKC/32 (L/46) DP — S1: S		2	3	3	2	1	—	—
6x21" G7a T1 (1938) — TT3: CB(x2)		5	3	+1	+1	+0	—	—
T13 to T21		<i>SRAA: 3; DP: 1</i>						
<b>Type 1939 (1942-1944)</b>	1941	3	33	- 2	3 RB	1	1	179
TB	Torpedo Boat	3	5	0	0	0	0	0
4x4.1" SKC/32 (L/46) DP — S1: B.CB.S(x2)		2	3	3	2	1	—	—
6x21" G7a T1 (1938) — TT3: CB(x2)		5	3	+1	+1	+0	—	—
T22 to T36		<i>SRAA: 4; DP: 3</i>						