


15.8 APPENDIX 8 - Springboard
World Aquatics Degree of difficulty – Formula and components

Note: Degree of Difficulty (DD) is calculated by adding:

$$A + B + C + D + E = DD$$

A. Somersaults

Level / Somersault(s)	0	½	1	1½	2	2½	3	3½	4	4½
1m	0.9	1.1	1.2	1.6	2.0	2.4	2.7	3.0	3.3	3.8
3m	1.0	1.3	1.3	1.5	1.8	2.2	2.3	2.8	2.9	3.5

B. Flight Position For flying dives add fly position (E) to either (B) or (C) Position

O - 1 Somersault				1½ - 2 Somersaults				2½ Somersaults				3 - 3½ Somersaults				4 - 4½ Somersaults			
Fwd	Back	Rev	Inw	Fwd	Back	Rev	Inw	Fwd	Back	Rev	Inw	Fwd	Back	Rev	Inw	Fwd	Back	Rev	Inw
C = Tuck	0.1	0.1	0.1	-0.3	0	0	0	0	0.1	0	0.2	0	0	0	0.3	0	0.1	0.2	0.4
B = Pike	0.2	0.2	0.2	-0.2	0.1	0.3	0.3	0.3	0.2	0.3	0.2	0.5	0.3	0.3	0.6	0.4	0.4	0.5	0.8
A = Str	0.3	0.3	0.3	0.1	0.4	0.5	0.6	0.8	0.6	0.7	0.6	-	-	-	-	-	-	-	-
D = Free	0.1	0.1	0.1	-0.1	0	-0.1	-0.1	0.2	0	-0.1	-0.2	0.4	0	0	0	-	-	-	-
E = Fly	0.2	0.1	0.1	0.4	0.2	0.2	0.2	0.5	0.3	0.3	0.3	0.7	0.4	-	-	-	-	-	-

Seven of the above components have negative values. Dashes indicate dives that currently are not possible.

C. Twists

Group	½ Twist ½ - 1 Som.	½ Twist 1½ - 2 Som.	½ Twist 2½ Som.	½ Twist 3 - 3½ Som.	1 Twist	1½ Twists ½ - 2 Som.	1½ Twists ½ - 2 Som.	2 Twists	2½ Twist ½ - 2 Som.	2½ Twists 2½ - 3½ Som.	3 Twists	3½ Twists	4 Twists	4½ Twists
Fwd.	0.4	0.4	0.4	0.4	0.6	0.8	0.8	1.0	1.2	1.2	1.5	1.6	1.9	2.0
Back	0.2	0.4	0	0	0.4	0.8	0.7	0.8	1.2	1.1	1.4	1.7	1.8	2.1
Rev.	0.2	0.4	0	0	0.4	0.8	0.6	0.8	1.2	1.0	1.4	1.8	1.8	2.1
Inw.	0.2	0.4	0.2	0.4	0.4	0.8	0.8	0.8	1.2	1.2	1.5	1.6	1.9	2.0

Dives with ½ somersault and twists can only be executed in positions A, B, or C,

Dives with 1 or 1½ somersaults and twists can only be executed in position D,

Dives with 2 or more somersaults and twists can only be executed in positions B or C

D. Approach

Level	Forward ½ - 3½ Som.	Forward 4 - 4½ Som.	Back ½ - 3 Som.	Back 3½ - 4½ Som.	Reverse ½ - 3 Som.	Reverse 3½ - 4½ Som.	Inward ½ - 1 Som.	Inward 1½ - 4½ Som.
1m	0	0.5	0.2	0.6	0.3	0.5	0.6	0.5
3m	0	0.3	0.2	0.4	0.3	0.3	0.3	0.3

E. Unnatural Entry (does not apply to twisting dives)



Group	½ Som.	1 Som.	1½ Som.	2 Som.	2½ Som.	3 Som.	3½ Som.	4 Som.	4½ Som.
Forward / Inward	-	0.1	-	0.2	-	0.2	-	0.2	-
Back / Re-verse	0.1	-	0.2	-	0.3	-	0.4	-	0.4

A value indicates the diver does not see the water before the entry. The component is the same at all levels. (-) indicates the diver does see the water before the entry. The component is the same at all levels.

Examples

Dive	Pos	Height	A	B	C	D	E	DD
207	B	3	2.8	0.3	0.0	0.4	0.4	3.9
207	C	3	2.8	0.0	0.0	0.4	0.4	3.6
5253	B	3	2.2	0.3	0.7	0.2	0	34
5355	B	3	2.2	0.2	1.0	0.2	0	3.7

Dive	Pos	Height	A	B	C	D	E	DD
309	B	3	3.5	0.5	0.0	0.3	0.4	4.7
309	C	3	3.5	0.2	0.0	0.3	0.4	4.4
5255	B	3	2.2	0.3	1.1	0.2	0	3.8
313	C	3	1.5	0.2	0	0.3	0.2	2.2