**S1 Table.** Crack growth step for both weld reinforcement.  a) 2mm b) 3mm

| Length (mm) | Step |
|-------------|------|
| 0 | 0 |
| 0.09541 | 1 |
| 0.22489 | 2 |
| 0.30673 | 3 |
| 0.38422 | 4 |
| 0.50865 | 5 |
| 0.62435 | 6 |
| 0.73153 | 7 |
| 0.84189 | 8 |
| 0.94424 | 9 |
| 1.0568 | 10 |
| 1.16827 | 11 |
| 1.27759 | 12 |
| 1.42002 | 13 |
| 1.50025 | 14 |
| 1.55097 | 15 |
| 1.68644 | 16 |
| 1.79619 | 17 |
| 1.91052 | 18 |
| 1.96575 | 19 |
| 2.10688 | 20 |
| 2.24374 | 21 |
| 2.31797 | 22 |
| 2.58942 | 23 |
| 2.89497 | 24 |
| 3.08993 | 25 |
| 3.22074 | 26 |
| 3.4156 | 27 |

| Length (mm) | Step |
|-------------|------|
| 0 | 0 |
| 0.10685 | 1 |
| 0.23429 | 2 |
| 0.33135 | 3 |
| 0.44169 | 4 |
| 0.55268 | 5 |
| 0.66344 | 6 |
| 0.77863 | 7 |
| 0.88588 | 8 |
| 0.99548 | 9 |
| 1.12171 | 10 |
| 1.21756 | 11 |
| 1.3239 | 12 |
| 1.39815 | 13 |
| 1.5247 | 14 |
| 1.63975 | 15 |
| 1.75023 | 16 |
| 1.86654 | 17 |
| 1.98636 | 18 |
| 2.03614 | 19 |
| 2.16286 | 20 |
| 2.28373 | 21 |
| 2.4085 | 22 |
| 2.51471 | 23 |
| 2.61712 | 24 |
| 2.97223 | 25 |
| 3.23713 | 26 |
| 3.47037 | 27 |
| 3.57408 | 28 |
| 3.70048 | 29 |
