# Letterlocking Categories (LC) 1–64

| | NO | LO | LSU | LSA | LO+ LSU | LO+ LSA | LSU+ LSA | LO+LSU +LSA |
|---|---|---|---|---|---|---|---|---|
| F | 1 | 9 | 17 | 25 | 33 | 41 | 49 | 57 |
| F+T | 2 | 10 | 18 | 26 | 34 | 42 | 50 | 58 |
| F+ S/H | 3 | 11 | 19 | 27 | 35 | 43 | 51 | 59 |
| F+T +S/H | 4 | 12 | 20 | 28 | 36 | 44 | 52 | 60 |
| F+A | 5 | 13 | 21 | 29 | 37 | 45 | 53 | 61 |
| F+ T+A | 6 | 14 | 22 | 30 | 38 | 46 | 54 | 62 |
| F+ S/H+A | 7 | 15 | 23 | 31 | 39 | 47 | 55 | 63 |
| F+T +S/H+A | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 |

## Key

**Manipulations**

F = Fold*
*Fold OR Roll

T = Tuck

S = Slit
OR
H = Hole

A = Adhere

**NO** = No Lock

**LO** = Lock–Other

**LSU** = Lock–Same Substrate Unattached

**LSA** = Lock–Same Substrate Attached

**#** = Exists

**#** = Placeholder

**Security score**

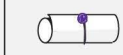
Zero

Low or

High or

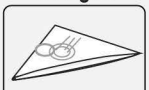
## Letterlocking Formats (LF) 1–12

Infinity



Edge Scroll (∞SC)

3 Edges



Triangle (3)

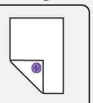
4 Edges

Rectangle (4R) | Rectangle Diamond (4RD) | Rectangle Tall (4RT) | Rectangle Wide (4RW) | Rectangle Extra Wide (4RXW)

4 Edges

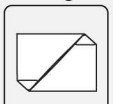
Square (4S) | Square Diamond (4SD)

5 Edges



Pentagon (5)

6 Edges



Hexagon (6)

7 Edges

Heptagon (7)

8 Edges

Octagon (8)

9 Edges

Nonagon (9)

10 Edges

Decagon (10)

12 Edges

Dodecagon (12)

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Dambrogio, Smith, & the Unlocking History Research Group 2020