

Conway's Names for Frieze Groups

Step, $1g, \infty\circ$



Hop, $11, \infty\infty$



Jump, $1m, \infty*$



Sidele, $m1, *\infty\infty$



Spinhop, $12, 22\infty$



Spinjump, *mm*, *22∞



Spinside, *mg*, 2 * ∞



- **Crystallographic Names**

1. First Symbol

- 1** No vertical reflection.

- m** Vertical reflection.

2. Second Symbol

- 1** No other symmetry

- m** Horizontal reflection.

- g** Glide reflection.

- 2** Half-turn rotation.

- **Conway (Orbifold) Names**

- 2 Shows the presence of a half-turn rotation

- * Shows the presence of a reflection. If a 2 comes after the *, then the rotation center is at the intersection of mirror lines.

- o Shows the presence of a glide reflection.