F

n = 4

i = 4

i = 3

n = 2

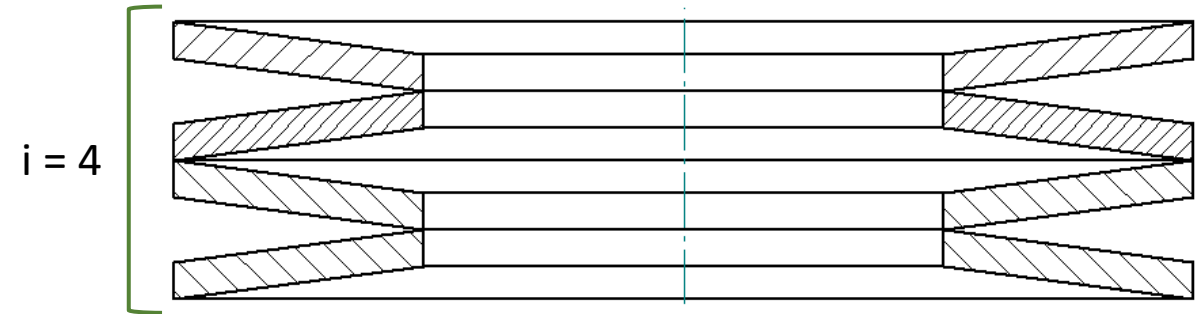Stacking in *parallel* (same direction) will increase *force*.

Total force $F_{total} = n * F$ (force of single spring)

Stacking in *series* (opposite directions) will increase *deflection*.

Total deflection $s_{total} = i * s$ (deflection of single spring)

Disc springs can also be stacked as a combination of the two alignments.

Total force $F_{total} = n * F$ (force of single spring)
Total deflection $s_{total} = i * s$ (deflection of single spring)