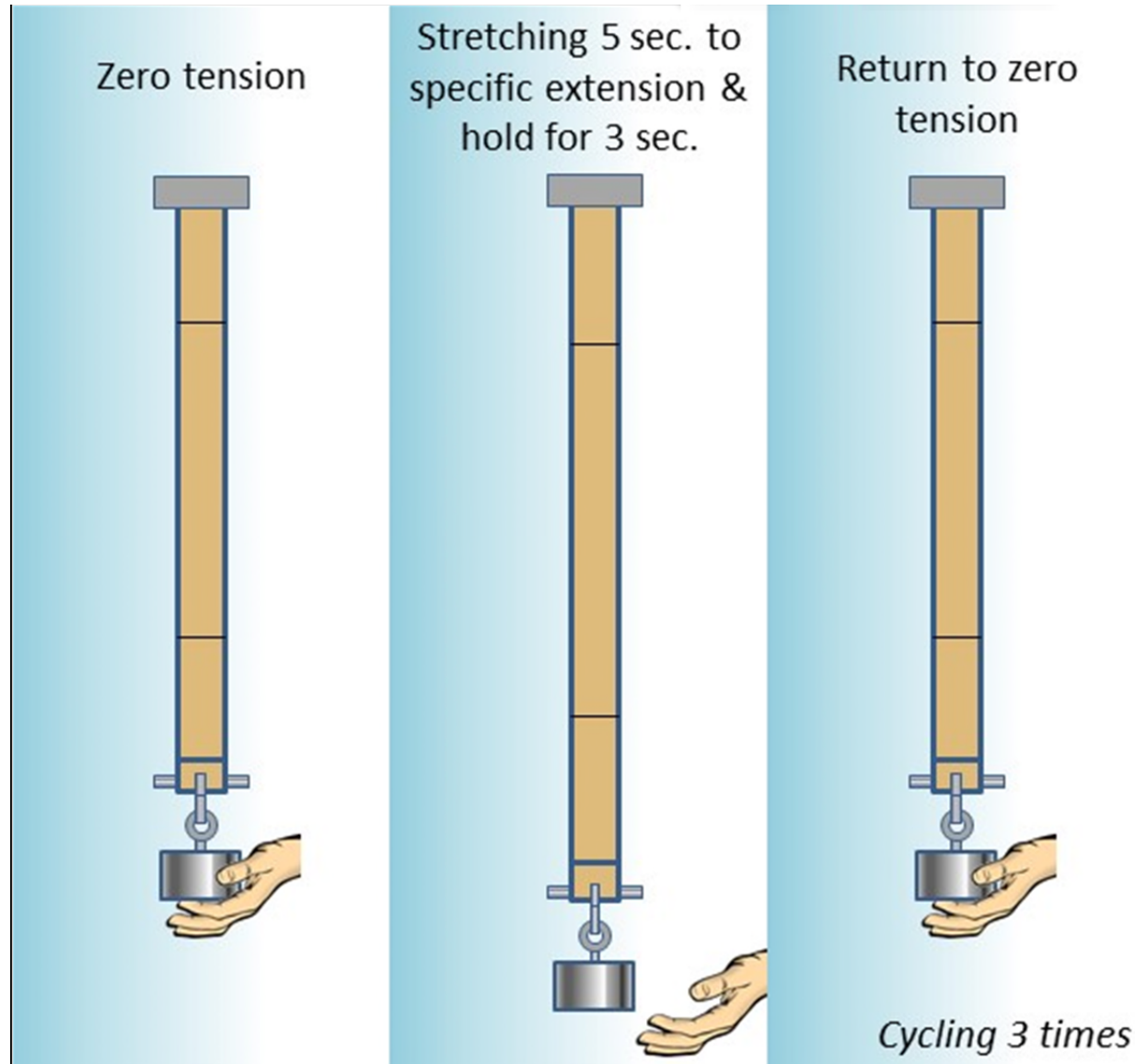


## FlexiFrame - ASTM D3107

### Standard Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns

- **Fabric STRETCH after specific tension**

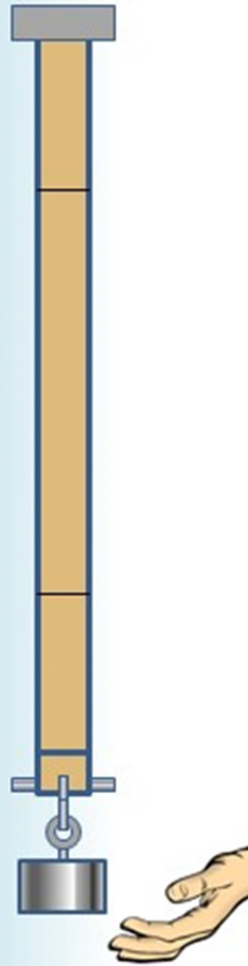


Tension option:  
(1) (1.30 kg) 3.0 or  
(2) (1.35 kg) 4.0 lb

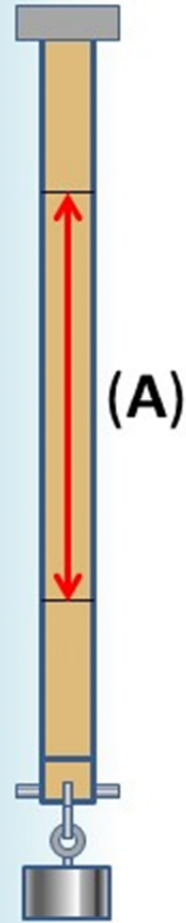
4<sup>th</sup> Cycle



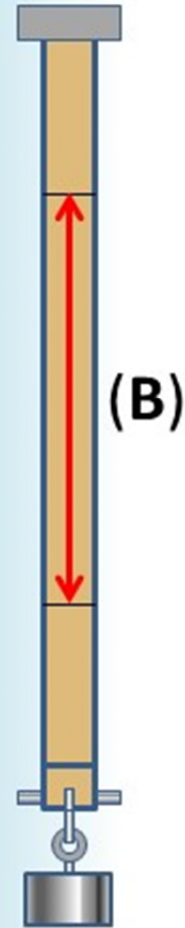
Stretching 5 sec. to specific extension



Within 10 sec



After 30 min



Fabric stretch **10 seconds** After Tension

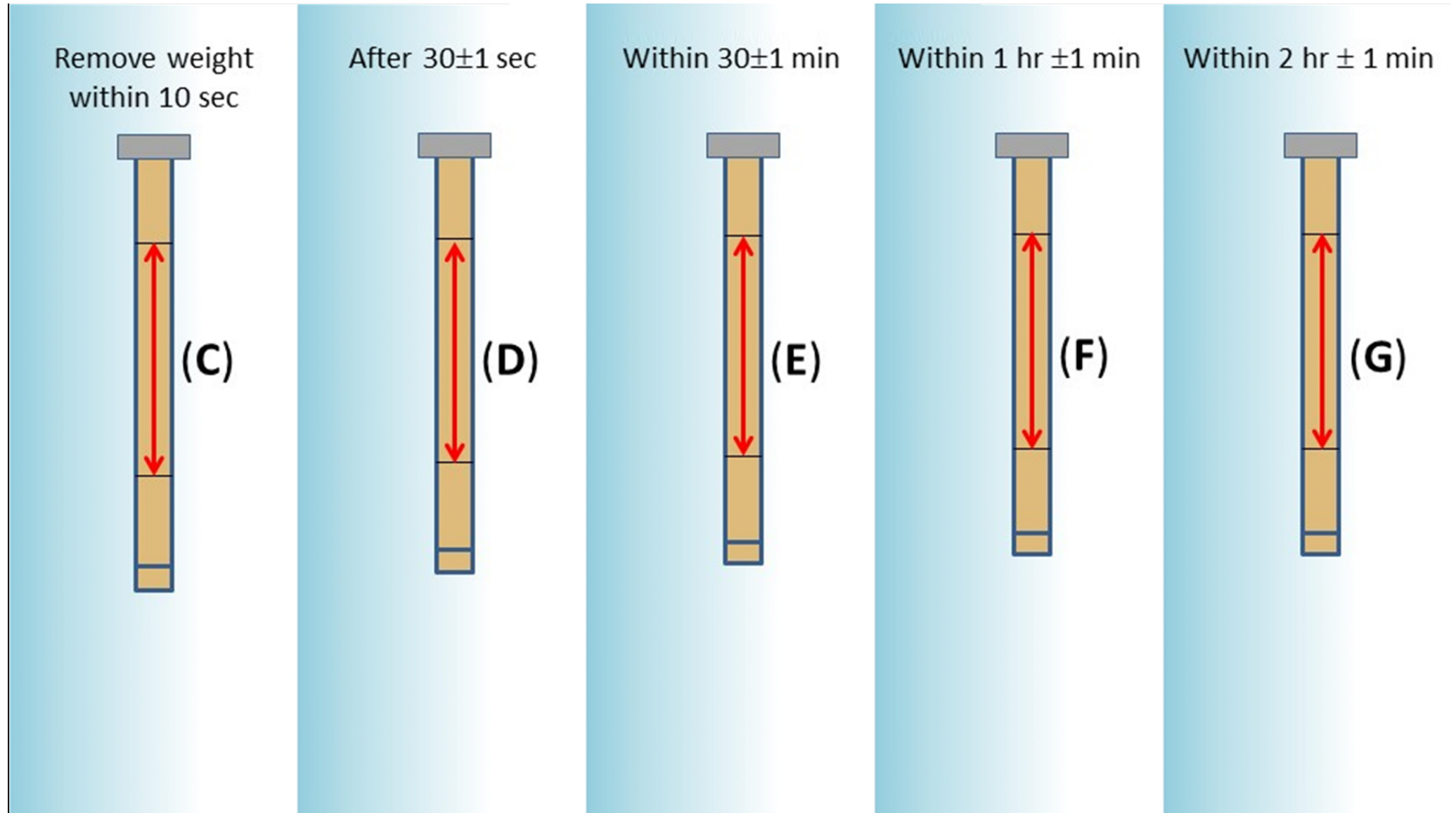
$$= (A - O_1) / O_1 \times 100\%$$

Fabric stretch **30 minutes** After Tension

$$= (B - O_1) / O_1 \times 100\%$$

$O_1$  = original distance between bench marks before tension  
(250 mm or 10 inches)

- **Fabric GROWTH** after applying a specific tension



Fabric **growth** after stretch by tension

$$= (a - O_1) / O_1 \times 100\%$$

where

$a$  = C, D, E, F and G

$O_1$  = original distance between bench marks before tension  
(250 mm or 10 inches)