



## Catroll Tensioning Instructions

Width, pulley diameter, and type of pulley (rubber, steel, etc.) all play a part in the tensioning of a Catroll belt.

### Maximum working tension is as follows:

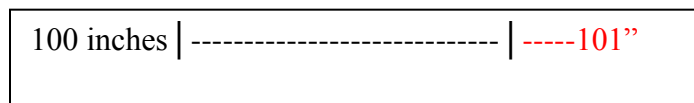
SME400: 1.5%  
 SME800: 2%  
 SMC: 0.3%  
 SMK: 0.5%

### Recommended Working Load Tensions:

TENSION			
TENSILE CORE	SME	SMC	SMK
FLAT BELT	0.50%	0.40%	0.30%
POLY-V BELT	0.40%	0.30%	0.25%

### Measuring 1% Tension

1. Belt must be installed on machine with no tension applied.
2. Draw two parallel marks on the belt, at a distance of exactly 100"



3. Apply tension (with belt running) until the distance between the two marks is exactly 101" apart.

If the belt is slipping on the pulley(s) and the belt has been tensioned to maximum elongation, there are 3 possible solutions:

1. Increase pulley diameter.
2. Coat the pulley with rubber.
3. Working load has been exceeded. Increase the strength of the belt.

\*The thickness of the belt and the hardness of the rubber are not related to the % of tension.