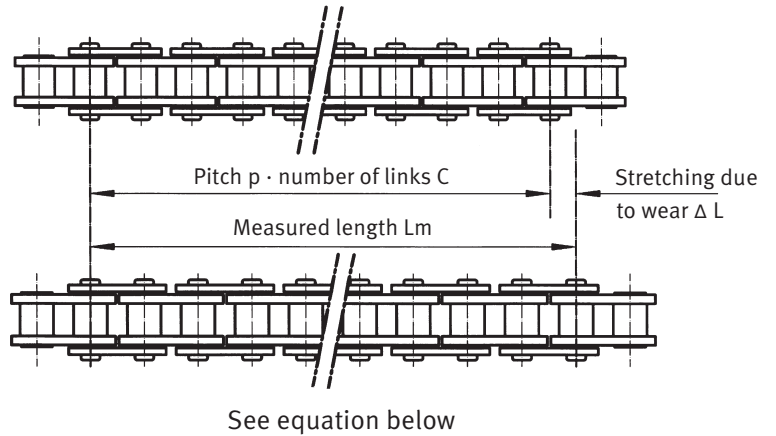


Guidelines for Changeout due to Elongation

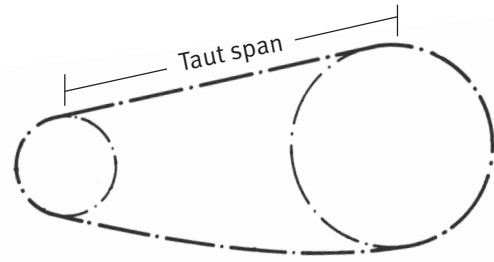
Stretching due to wear

Regular maintenance and lubrication are requirements for low wear and long service life of the chain drive. Maintenance and lubrication frequency, as well as the related re-lubrication, is determined by operating conditions (chain load, temperature, contamination, chain speed).



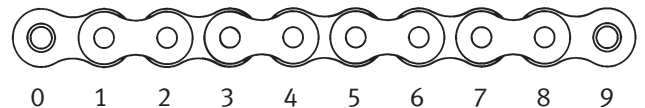
Procedure:

1. Locate the taut span of the chain and conduct the measurement over the highest number of chain pitches possible.
2. Count the number of pitches included in your measurement.



Important:

The first pin must always be counted zero!



3. Multiply the number of pitches measured by the chain pitch (ex. ANSI 60 pitch = 3/4") to find nominal length.

$$4. \% \text{ elongation} = \frac{\text{Length measured} - (\text{chain pitch} \times \# \text{ of pitches measured})}{(\text{chain pitch} \times \# \text{ of pitches measured})} \times 100\%$$

Elongation Guidelines of changeout

- Max **3%** for simple chain drives
- Max **2%** for high performance drives
- Max **1%** for special applications (synchronous, positioning)

For more information, contact us:

iwis drive systems LLC / Building 100, 8266 Zionsville Road, Indianapolis, IN 46268 USA
Phone 317 821-3539 / Fax 317 821-3569 / sales@iwisusa.com / www.iwisusa.com

www.iwisusa.com