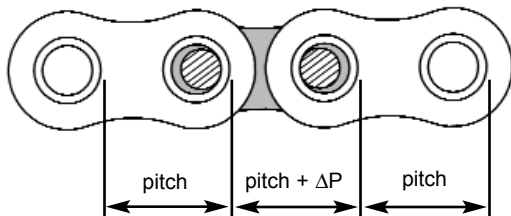
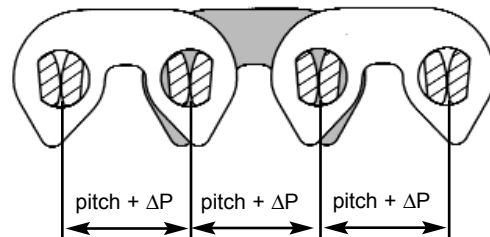


## Uniform Elongation of Silent Chain



Roller chain and most other chains with straight sidelinks do not elongate uniformly. The pitch of links containing rollers stays essentially constant, while wear of bushings and pins causes every other pitch of the chain to elongate by  $\Delta P$ . This can contribute to velocity variations and vibration as the chain wears.



Silent Chains employing two pin joints wear uniformly, with each pitch elongating by the same  $\Delta P$ . Because pitch is consistent, chain wear does not promote velocity variation or vibration.