硬化轮齿

下列情况下建议链轮硬化处理：

- 低速重载传动
- 高速传动
- 大比值传动
- 摩擦或腐蚀作业条件

OCM ANSI 35 ~ 100B型链轮为感应硬化产品。

大链轮齿

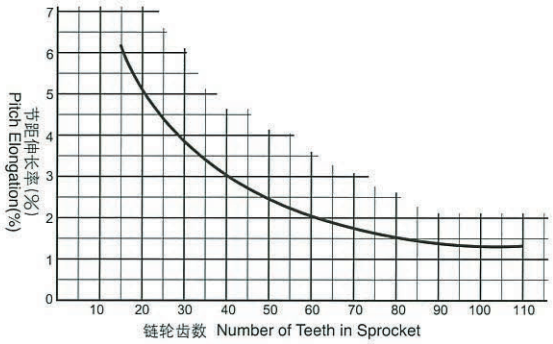
因滚子链的铰链不断地磨损，容易造成跳齿或脱链。根据下图所示的大链轮齿数，链条寿命因铰链磨损而改变链条寿命。

通常，当每一节距的伸长率在2-3%的范围内时为滚子链的使用寿命。这种情况下，大链轮齿数应为40到60。

最小的链条包角和传动比

建议小链轮的最小链条包角不得小于120° 以便达到平稳传动（理想运行）效果。为此，推荐单级减速装置速度比不超过1:7。如果需要大速度比，应使用双级减速装置。

Generally, the wear life of a roller chain is when the elongation per pitch is in the range of 2-3%. In this case, the number of teeth in large sprockets is 40 through 60.



MInimum Chain Wrap and Drive Ratio

The suggested minimum chain wrap on the samall sprocket is not less than 120° to obtain smooth transmission (satisfactory operation). It is recommended therefore that the speed ratio for a single reduction drive be held not to exceed 1:7. If a large speed ratio is required, double reduction drive should be used.