

5. Estimating the Service Life

5.1. Rated Life

The service life of a Ball Spline varies from unit to unit even if they are manufactured through the same process and used in the same operating conditions. Therefore, the rated life defined below is normally used as a guidepost for obtaining the service life of a Ball Spline.

Rated life is the total travel distance that 90% of a group of identical ball splines independently operating under the same conditions can achieve without showing flaking (scale-like exfoliation on a metal surface).

