



## Spindle Bearing Break-in Procedure

In today's high production environments it is often necessary for machine users to stock a spare electric spindle to prevent unexpected and costly down-time related to a spindle failure. In many cases, these spare spindles may be stored on a shelf for months or years. The spindle bearing grease can settle in one location of the bearings during this time resulting in a portion of the bearings having no lubrication.

PDS recommends that a spindle bearing break-in procedure be performed on any spindle that has seen no production in over 1 month.

This simple break-in procedure can be performed as follows.

- Start the spindle at 3,000 rpms and run the spindle for 30 minutes.
- Increase the spindle speed by 3,000 rpms every 30 minutes until the spindle has reached its maximum rated speed as per the spindle name plate.
- It is important to apply the proper spindle cooling requirements to the spindle during this procedure.

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