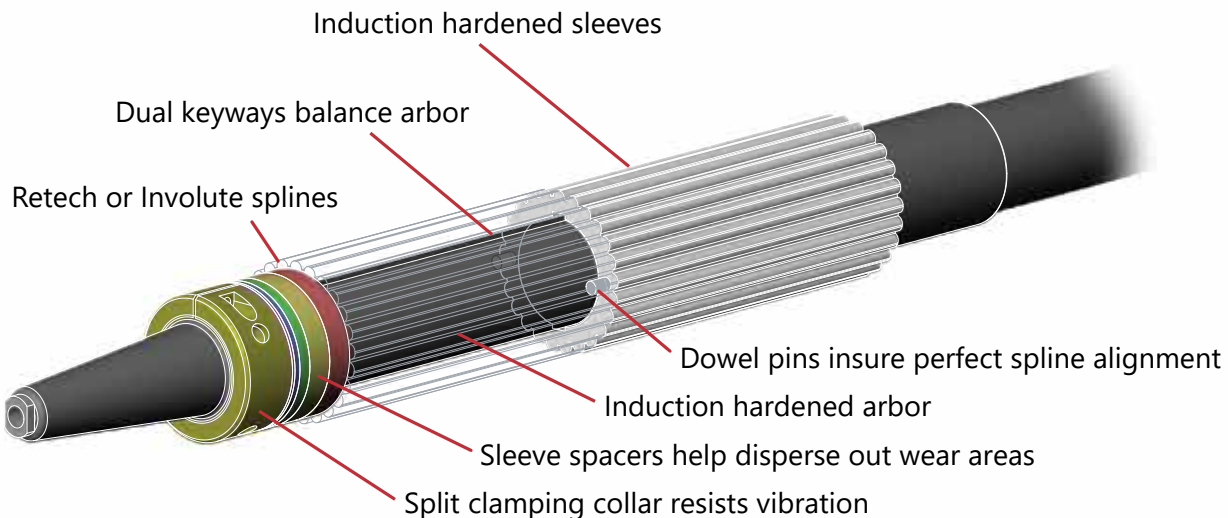


Spline-Sleeve and Solid Saw Arbors

Burton splined-sleeves extend the life of saw arbors and maintain saw accuracy so your operation can produce high quality lumber day after day. Burton solid splined arbors offer a heavy-duty economical solution for machines that can't use splined sleeves.



The arbor in a modern gang saw is one of the most important components, but it often gets overlooked when a mill is trying to improve its performance. Swapping out arbors is a difficult process, which means lots of mills wind up running them past their prime. Burton's solution is splined-sleeves to extend the service life of your saw arbor while maintaining sawing accuracy.

Splined-Sleeve Saw Arbors

Burton splined-sleeve arbors offer outstanding value both by extending the service life of the arbor system, and by limiting the wear to the sleeves, not the arbor itself. Using spacers to periodically adjust the position of the saws on the splines prevents deep ruts from forming on the splines. That means you get a better fit between the arbor and the blade. And when it's time to replace the sleeves, you simply slip them off and put new ones on; the arbor itself doesn't need to be replaced!

Burton splined-sleeve arbors are precision machined from the highest quality 52100 ball-bearing steel before being surface hardened and balanced. Our splined-sleeves are as tough as they come, giving you exceptionally long life and high performance.

- ▶ Involute or Retch splines
- ▶ Precision machined
- ▶ Extra-long service life

Solid Splined Saw Arbors

Burton also offers solid splined arbors with the same high-quality materials used in our splined-sleeve arbors. Lower in cost than splined sleeve arbors, with a high efficiency that help bearings last longer. Arbors are heat-treated, straightened, and balanced before shipping.

Less wear & tear, better lumber accuracy

- ▶ Replaces a solid arbor with an arbor with replaceable splined sleeves
- ▶ On fixed saw machines, splined sleeves can be relocated slightly by means of spacers to get the saws out of worn areas, increasing the life of the sleeve
- ▶ Symmetrically opposing (180° apart) keyways help to naturally balance sleeved arbors
- ▶ Split-type sleeve-clamping nut provides easy removal, positive locking
- ▶ Sleeve spacers and unequal length sleeves shift saw wear grooves away from saw positions, so saws “float” on the arbor
- ▶ Smooth-floating saws result in longer arbor bearing life, and more accurate cuts

No compromises

Burton splined-sleeve arbor systems work just as well as solid arbors for shifting or stationary saws, and are much easier to maintain. Our splined-sleeve arbor systems are full of features to make sure this is the case:

- ▶ Dowel pins between sleeves insure perfect spline alignment across sleeves so shifting saws can slide smoothly from one to the other
- ▶ Sleeves are machined from high-strength 52100 ball-bearing steel and surfaces are induction hardened to 60-64 RC for wear resistance
- ▶ 3D CAD design software means splined-sleeve arbor systems can be custom-designed to your specifications
- ▶ Sleeves are available with Involute or Retech-type splines
- ▶ Fast payback: a sleeve system can typically pay for itself by the time a solid arbor is replaced for the first time

Solid Splined Arbors

Burton’s heavy-duty solid splined arbors offer an efficient and economical option, and are reliable in both stationary and shifting saw applications.

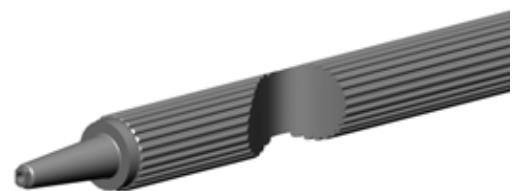
- ▶ Lower cost compared to splined-sleeve arbors
- ▶ High quality heat-treating, balancing, and straightening helps bearings last longer
- ▶ Many equipment types can’t take splined-sleeve arbors due to sag
- ▶ Faster turn-around; Burton stocks solid splined arbor material and offers expediting options



Dual-key, Retech-type splined arbor sleeves



Dual-key, Involute-spline arbor sleeves



Solid splined arbor with cut-away showing it is a single piece

