



CENTURY EXTRUSION

Your Partner in Productivity

High Torque Rolled Shafts from the industry's leading supplier of twin screw extruder replacement parts and services.

Century Extrusion Advanced Technology

- Century Extrusion has responded effectively and consistently to the expanding needs for high torque, high speed extrusion products.
- Century Extrusion is a leader in high torque, rolled shaft technology, producing shafts that can withstand significant increases in load, torque, and temperature.
- Working with leading material suppliers, Century Extrusion has developed materials with the highest torque capacity and hardness properties to manufacture superior extruder shafts.

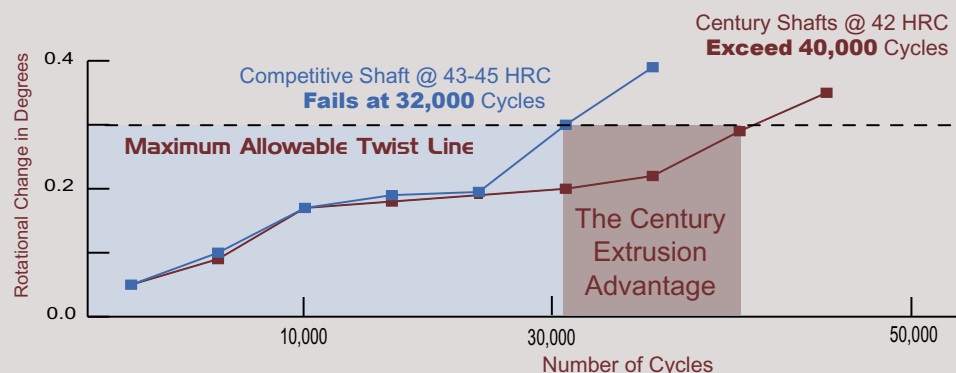


The Cold-Formed Advantage

- Cold-formed shafts have improved surface finish that increases fatigue life.
- Dimensional stability with respect to required tolerances is greatly enhanced with the cold-forming process. A single tool setting is used during manufacturing which diminishes spline variation, ensuring a perfect shaft-element fit.
- The cold-forming process generates compressive stress within the spline form. Materials in compression will not crack, whereas materials in tension will elongate and eventually fail.

Century Extrusion Testing and Results

- In a controlled environment, Century Extrusion conducted comparative tests of the cold-formed shaft and the competitive shaft on the market.
- Subjecting both shafts to uniform unidirectional torsion load cycles, these tests measured the fatigue life of each shaft at elevated temperatures.
- Century Extrusion rolled shafts outperformed the highest-rated shaft on the market by 25%. See these outstanding results in the plot below.



Extruder Shafts

Extruder Shafts

Shaft Capabilities

- Spline, hex, keyed
- High Performance alloy steels selected to match specific applications
- Configurations for most major twin screw manufacturers including:
 - Coperion (Werner and Pfleiderer)
 - Berstorff
 - Clestral
 - Davis Standard
 - APV
 - And many more...

Services

- Extensive inspection service
- Teardown and assembly service
- Screw maintenance program
- Metallurgical analysis
- R&D/Pilot lab
- Advanced straightening capabilities
- 24-Hour Service Hotline

Our Commitment

Century Extrusion understands the unique challenges that processors face. We work continually on the development of new technologies that enable companies to increase their productivity and business success.

Materials

- H-11
- 300 M
- 17.4 Ph
- 4340
- And many more...

Coatings

- Surface treatments to aid in corrosion resistance
- Surface treatments to assist in the easy assembly of elements



CENTURY EXTRUSION

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