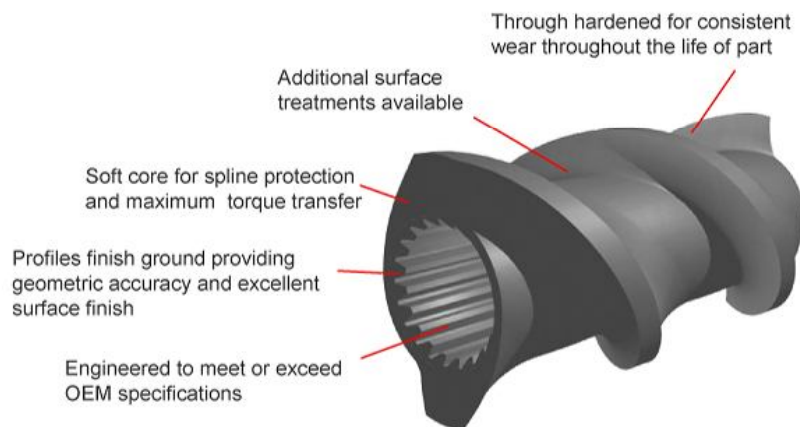


High Performance Replacement Screw Elements



Century Extrusion Advanced Technology

- Century Extrusion has developed the most comprehensive line of replacement screw elements available today.
- Offering more than 60 materials, Century Extrusion is able to meet your most specific wear and corrosion requirements.
- We are continually developing new materials to help you decrease cost of ownership and downtime.



Century 10V-12 Advantage

- 10V-12 was developed by Century Extrusion to offer the best cost per wear available today.
- 10V-12 has become the industry benchmark for high wear application.
- 10V-12 contains high levels of vanadium for excellent wear resistance as well as high levels of chromium for excellent corrosion resistance.
- 10V-12 is manufactured from powdered alloys utilizing HIPping technology. HIPped 10V-12 produces a homogeneous carbide distribution superior to conventional steels ensuring consistent wear throughout the part.
- Century Extrusion manufactures 10V-12 in-house in order to maintain tight control of quality, lead time, and cost.
- 10V-12 also utilizes a soft core to protect shaft splines and to ensure maximum transfer of torque.

Element Capabilities

- Spline, hex, keyed
- Custom profiles
- High performance alloy steels selected to match specific applications
- Elements manufactured for more than 30 brands of twin screw extruders including:
 - Coperion/Werner & Pfleiderer
 - Berstorff
 - Clextral
 - Davis Standard
 - APV
 - And many more...



Materials

- Century 10V-12
- PM 9V and 10V
- 440C
- Nitrided
- Many More...



Material	Alloy No.	Rockwell Hardness	Wear	Corrosion
10V-12	60	57-62	<div><div></div></div>	<div><div></div></div>
PM 10V	10	60-62	<div><div></div></div>	<div><div></div></div>
17-4with Hardface	96	38-42	<div><div></div></div>	<div><div></div></div>
PM 9V	91	53-56	<div><div></div></div>	<div><div></div></div>
D2	21	58-58	<div><div></div></div>	<div><div></div></div>
Nitralloy	00	64-72	<div><div></div></div>	<div><div></div></div>
440C	41	53-56	<div><div></div></div>	<div><div></div></div>