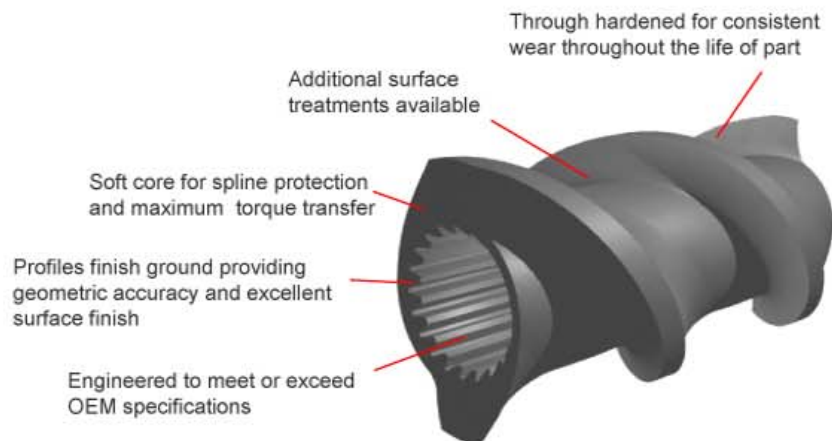


# High Performance Replacement Screw Elements



## 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.



## 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...

## 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.



Material	Alloy No.	Rockwell Hardness	Wear	Corrosion
10V-12	60	57-62	██████████	██████████
PM 10V	10	60-62	██████████	██████████
W6Mo5Cr4V2		58-62	██████████	██████████
17-4with Hardface	96	38-42	██████████	██████████
PM 9V	91	53-56	██████████	██████████
D2	21	58-58	██████████	██████████
Nitralloy	00	64-72	██████████	██████████
440C	41	53-56	██████████	██████████