

“U” Rotor

Vecoplan[®]

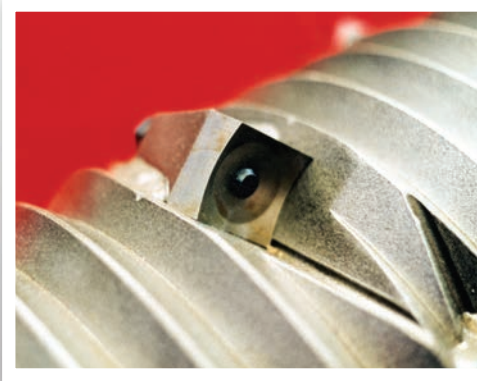


Vecoplan Machine Components “U” Rotor

Vecoplan's heavy-duty, solid forged steel cutting rotor is engineered for high torque cutting efficiency and quiet, low noise operation. It eliminates lateral shifting to provide a smooth, precision cutting action and trouble free operation. A Lifetime Limited Warranty against rotor failure is included on all originally owned Vecoplan grinders.

"U" Rotor

Vecoplan®



"Torsion Point" cutters are 4 sided and indexable to allow 4 actual cutting surfaces.



Counterknife standard tolerances are .015 to .020 clearances. Options are available for clearances to .010.

The Vecoplan design incorporates a heavy-duty, multiple piece cutting rotor assembly. It is engineered for high torque cutting efficiency and quiet operation.

The cutting geometry allows for stabilized energy usage, high throughput, consistent particle size and long cutter wear. The milling of the rotor allows the mounting of cutters in such a pattern as to allow minimum cutting resistance, minimal revolutions of material to reduce to a size that will pass through the sizing screen and the rake angle and design of the cutters and counterknife produce high quality particles through actual shearing action.

The thick walled but hollow rotor body allows cooler operation than solid, one piece rotors. The lesser weight of the rotor body allows more control over the rotational momentum for quick reaction to operational requirements and eliminates drive train damage found with heavier solid rotors due to the inability to change inertia quicker when called for. The Vecoplan rotor's composition is such that no heating nor complex procedures are necessary to weld cutter mounts. The multiple -piece rotors are designed to be singularly replaceable in the event of damage, thus not requiring replacement of the entire cutting rotor. The shaft is attached to the rotor via a secure compression fitting assembly that prevents both lateral shifting and rotational slippage. The Vecoplan "TorsionPoint" cutting rotor comes with a limited lifetime guarantee (for original owners) against catastrophic failure.

Benefits

- Cutter holders are #4140 steel which are root welded at the holder chamfer and then double welded.
- Cutters are 4 sided and indexable to allow 4 actual cutting surfaces.
- Counterknife standard tolerances are 0.020 to 0.030 clearances. Clearances are available to 0.010.
- Rotor shaft is designed and milled to allow only a .0010 slip fit for gear box, eliminating rotor shifting and gear box wobble during operation.
- Shorter shaft design to eliminate bending.

Vecoplan, LLC
5708 Uwharrie Road • Archdale, NC 27263
Phone: 336-861-6070 Fax: 336-861-4329
www.vecoplanllc.com

Vecoplan®

Vecoplan Midwest
4005 Earnings Way • New Albany, IN 47150
Phone: 812-923-4992 Fax: 812-923-4994
www.vecoplanmidwest.com