

CIRCULAR CHASER Advantages

Shape:

The circular shape of the cutter permits only enough rubbing action immediately behind the cutting edge to ensure proper lead control. This eliminates excessive rubbing and assures smooth threads and longer chaser life. In addition, the chasers body's mass and external mounting provides a faster dissipation of heat away from the work and frees chips for faster cutting speeds.

Sustained Accuracy:

The user is assured that with an RSVP diehead and one set of chasers, precision threads will cut immediately without trial and error method of switching chaser sets. The thread forms of the circular chaser are annular. The helix angle is ground into the face of the holding block at the factory and remains for the life of the tool.

Grinding:

The circular chaser can be re-ground through a full 270 degrees. Compare this basic advantage with others that have thin blades resulting in short chaser life. The circular tool is the simplest and easiest of all to grind with positive accurate results. The throat grind is built in the chaser form and does not change as the chaser is re-sharpened through the entire 270 degrees.

Replacement:

The preset nature of the chaser mounted on the block and precisely ground, assures quick installation. The removal and replacement is done in seconds, as compared to minutes in other styles without disturbing the setup. This is accomplished by a simple turn of a screw on some heads or lifting and turning of the reset handle on others.

Interchangeability:

All circular tools may be interchanged from rotating to non-rotating heads, size for size. The circular chaser's extreme versatility is demonstrated by its ability to machine a wide range of material by changing the grind to a precise, predetermined setting, bringing the cutting edge up to the proper position for the material used.

Modular Shanks:

This is a feature you will only find exclusively offered on RSVP's circular chaser systems. Modular Shanks offer greater tooling flexibility as the same head can be used on

various machines by changing shanks which leads to reduced tool inventory and improved tool utilization. This allows for easier handling and less down time which saves you time and money. These shanks are available in standard and coolant induced in a wide range of sizes. See pages: 16 - 18

4-Chaser Dieheads:

Provide the economy of operation, high production and accuracy required making them a true asset to the industry. Their range of size and interchangeability point to one fact; no other threading tool possesses the versatility of RSVP Tooling dieheads. RSVP Tooling's exclusive modular shank dieheads provide the ability to choose the specific shank adapter suitable for your machine or for use in multiple machines. The shank adapter option also minimizes cost associated with shank replacement due to common wear and use.

5-Chaser Dieheads:

Have been developed to cover industry's increasing need to meet higher material specifications and improved gauging methods (such as tri-roll). Due to the rigid 5-point contact between tooling and workpiece, 5-chaser threading is the solution when applied to work pieces having flats, keyways, slots, drilled holes due to the elimination of perpendicular offset between chasers common with 4 chaser heads. Improved roundness is also obtained. The advantages gained and economics achieved when using RSVP tooling 5-chaser dieheads easily outweigh the slightly additional cost. RSVP Tooling's exclusive modular shank dieheads provide the ability to choose the specific shank adapter suitable for your machine or for use in multiple machines. The shank adapter option also minimizes cost associated with shank replacement due to common wear and use.

Plunger Wear Insert:

All RSVP circular chaser dieheads are fitted with a replaceable plunger wear insert in the diebody.

Previous designs have the plunger groove machined directly into the body of the head. Once the localized area of plunger contact is worn to the point of the diehead not locking closed in operation it would be necessary to replace the diebody at a considerable expense.

Our replaceable hardened inserts offer a simple affordable alternative. Simply replace the worn insert at minimal cost, thus conserving the more expensive diebody for continued use.