DOVETAIL CLAMPING

Dovetail clamping methods have become more popular in today's machining environments and are now being utilised in more applications throughout the manufacturing industry.

Traditional clamping methods have proven to be difficult in some machining applications due to the limitations with accessibility and clamping areas on components. As a result, reduced cutting conditions and/or more operations have to be applied to the part increasing manufacturing costs.

The reduction in the amount of clamping area required with dovetail systems (as low as 3mm) drastically improves productivity and efficiency, whilst still accessing all 5 sides of the component.

SYSTEM BENEFITS

• Increased stock removal due to more rigidity and holding strength
• Reduced material wastage
• All parts held the same - Reduced operations
• Eliminates tool and machine damaged by parts coming loose in a cut.
• Eliminates changing jaws
• Eliminates need for parallels and spreaders
• Eliminates milling step jaws
• Eliminates constructing work stops or programmable stops

DOVETAIL PREPARATION

Part preparation has now become easier, with the development of Toolprocure’s new indexable insert milling cutter range.

These high performance tools are designed around standard ISO inserts, enabling users to select from a wide range of grades and geometries for all industry materials.

The special tool geometry has proven to reduce cycle preparation times due to increased table feed rates and RPM.

Custom designs are also offered to cater for unique applications such as different angles, lengths or changed diameters.

STANDARD SIZES

- 20mm Dia x 150mm OAL x 1 tooth - Shank Type
- 25mm Dia x 150mm OAL x 2 tooth - Shank Type
- 32mm Dia x 200mm OAL x 3 tooth - Shank Type
- 40mm Dia x 200mm OAL x 3 tooth - Shank Type
- 50mm Dia x 4 tooth - Arbor Mount
- 63mm Dia x 4 tooth - Arbor Mount
- 80mm Dia x 5 tooth - Arbor Mount

*to suit 60 deg standard dovetails (30 deg per side)

Contact us today for further information!