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the design of the broach.

Broaching Operation

- Broaching a key in a hole with a keyway broach.
- Broaching hole with a round back.
- Surface broaching with a contour broach.
- Broaching a spline hole with a spline broach.

Advantages

- Rate of production is very high.
- Little skill is required to perform a broaching operation.
- High accuracy and a high class of surface finish is possible.
- Both roughing and finishing cuts are completed in one pass of the tool.
- The process can be used for either internal or external surface finishing.
- Any form that can be reproduced on a broaching can be machined.
- Cutting fluid maybe readily applied where it is most effective.

Limitation

- High tool cost.
- Very large work pieces cannot be broached.
- The surfaces to be broached cannot have an obstruction.
- Broaching cannot be used for the removal of a large amount of stock.
- Parts to be broached must be capable of being rigid.

and must withstand the forces that set up during setting.