

Distinguish, differentiate, compare and explain what is the difference between Drilling and Reaming. Comparison and Differences.

Differences between Drilling and Reaming

S.No.	Drilling	Reaming
1	Drilling is performed to originate a hole.	Reaming is performed to finish hole surfaces and to improve tolerance.
2	Cutting tool used for drilling is known as drill.	Cutting tool used for reaming is called reamer.
3	Drilling can increase length of the hole but not diameter (limited to drill diameter).	Neither diameter nor length can be increased substantially by reaming.
4	Drill is a double point cutting tool.	Reamer is a multi-point cutting tool.
5	Surface quality of drilled hole is not very good.	Reaming produces highly finished surface.
6	Drilling is first phase of hole fabrication. It does not require any special feature prior to operation.	Similar to boring, reaming can be performed only if a hollow part or hole exists.
7	Material Removal Rate (MRR) in drilling operation is higher.	MRR is poor; in fact, MRR is not an issue in reaming.