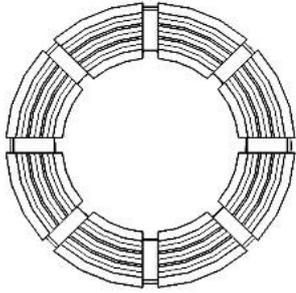
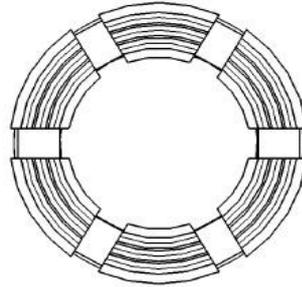
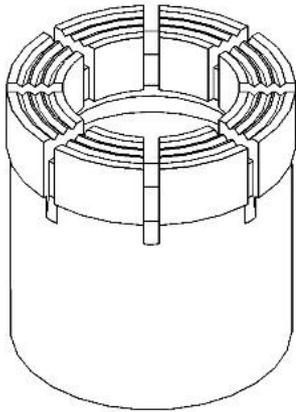


Waterway Configurations



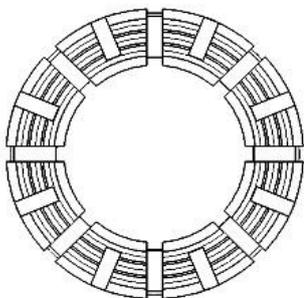
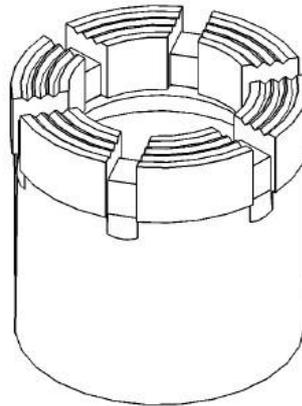
1. Standard Type (no discharge hole)

Waterway without discharge hole is the standard type, applied in many normal formations.



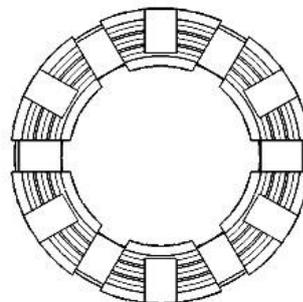
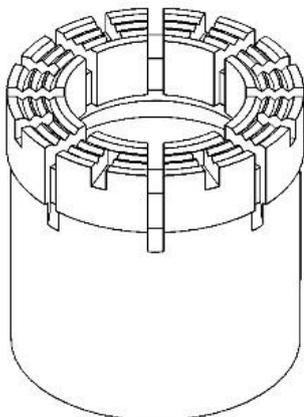
2. Wide Type

This waterway is wider than the standard type, applied in formations in which there're much rock debris, eg. clay, shale, coal gangue etc.



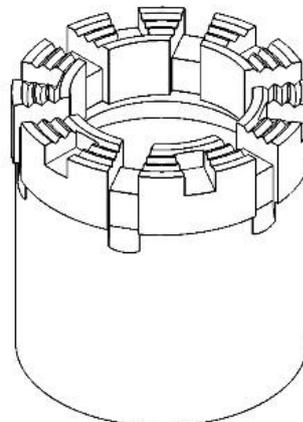
3. Turbo Type

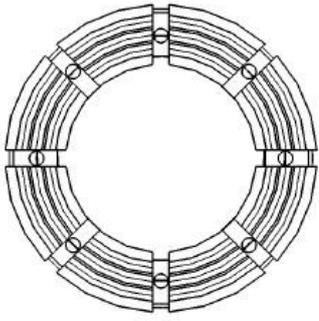
It's suitable for relatively hard fractured formations or hard competent formations.



4. Wide Turbo Type

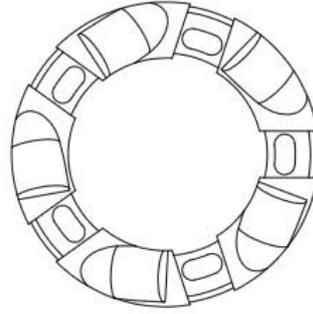
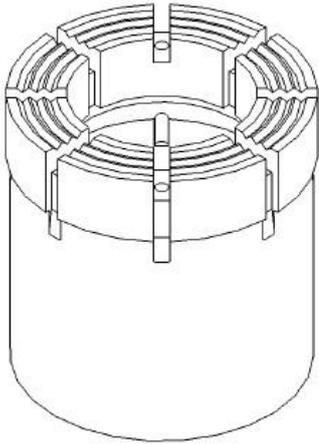
Suitable for medium hard fractured formations where there're much slurry and rock debris.





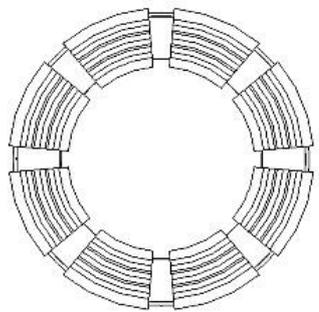
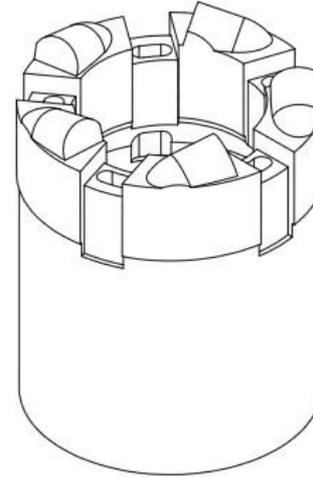
5. Round Face Discharge Hole Type

It's suitable for triple core barrels, to improve recovery rate. It reduces the flush fluid's erode against the core during drilling.



6. Ellipse Face Discharge Hole Type

It's often adopted in PDC bit, TSP bit, and has bigger flow capacity, which minimizes the occurrence of discharge hole blockage. It's suitable for drilling in fractured formations where there're much flush fluid and rock debris.



7. Trapezoid Type

It's suitable for the core bits with a thick matrix; it improves debris removal and flow capacity, and make the bit wear out evenly.

