

WATERWAY CONFIGURATION

Proper flushing of cuttings away from the bit face is critical to maximize its life and performance. Choosing the correct waterway configuration will help to ensure the bit is not damaged down the hole.

Di-Corp has standardized on 3 waterway configurations:

STANDARD Waterway:

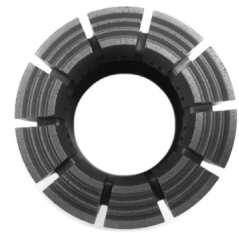
- For competent, fine grained, abrasive and non abrasive formations
- Geometry allows for maximum matrix volume and face contact area
- Recommended for N size bits and smaller
- Waterway width 3.18 cm (0.125 in), see bit specification chart for details

WIDE Waterway:

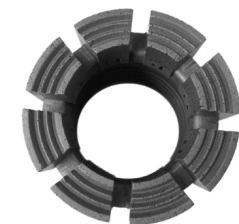
- For more difficult conditions requiring increased fluid flow (coarse grained, fractured and broken)
- Reduced contact area allows for increased penetration rates
- Recommended for N sized bits and larger
- Waterway width 6.35 cm (0.25 in), see bit specification chart for details

SUPERFLUSH Waterway (Deep ID):

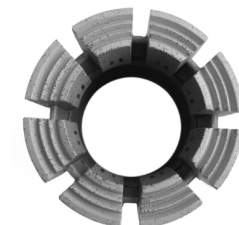
- For difficult conditions where the core sample is susceptible to washing and in lost circulation conditions where heavier muds are required (unconsolidated/broken formations)
- Recommended for N sized bits and larger, as well as all triple tube bits
- Waterway width 6.35 cm (0.25 in), see bit specification chart for details
- Offers superior results over “face discharge” or “TT” bits with reduced core washing and material blockages



Standard



Wide



Superflush