

Magic Drill DRC

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Machining diameters $\varnothing 7.94\text{--}\varnothing 20.99$ mm ($\varnothing 0.3125\text{--}\varnothing 0.8264$ in)

Machining depths 3D,5D,8D

Straight Shank **DRC SS-DRC**



Flanged Shank **DRC SF-DRC**



Straight Shank **DRC**
with Chamfering attachment



Please refer to [Page 43](#) and [Page 44](#) for details on the chamfering attachment

High efficiency

High feed rate

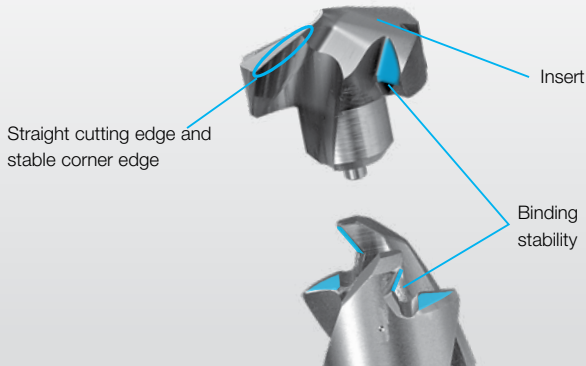
High reliability

High quality

Four unique characteristics of the DRC Magic Drill improve productivity and reduce costs through high speed and high feed rate machining.

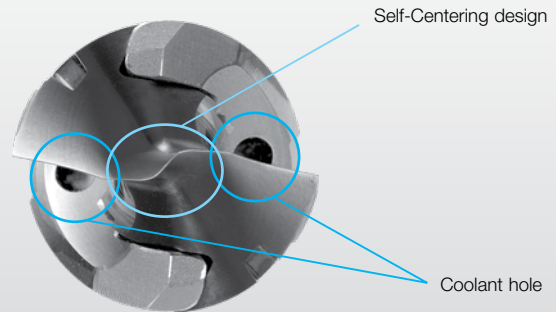
1. Self-Clamping design

- The clamp rigidity and resistance of the DRC Magic Drill's self-clamping method has significantly improved with the new design analysis and material technology.
- Easy replacement is possible on the machine.



2. Self-Centering design

- The S-curve top shape geometry of the insert known as the "Self-Centering design" enables smooth drilling, lowers cutting forces and produces a high quality surface finish.



3. Multiple Helical Angle Flute design

- Provides superior drill body stiffness and chip evacuation.



4. Direct Cooling design

- The coolant is fed directly into the inserts cutting face, cooling the top of the drill and preventing chip adhesion, which allows for quick and smooth chip evacuation.



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Drilling