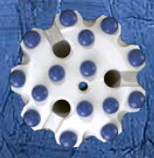
Robit Rbit™ series

The New Standard for Top Hammer Drilling from Robit

New transition face ensuring better energy transfer



Optimized button layout maximizing rock contact

Wider flushing grooves allowing better flow of cuttings

Robit

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FURTHER. FASTER.

Robit Rbit™ series

Eco-Friendly Green Steel

All of the Robit button bits are manufactured of new 100% recyclable steel. In the environment-friendly steel production process, the CO_2 emissions have been reduced by 80% and 95% of the waste is recycled including the process smoke which is filtered. The new steel grade gives even more uniform properties and improved fatigue strength which is crucial in rock drilling process.

- Specially designed for Robit
- Better fatigue resistance
- 100% recyclable
- 80% less CO^2 emissions
- Process smoke filtrated and recycled
- 95% of waste recycled

Optimized body types

Standard body

Retrac body

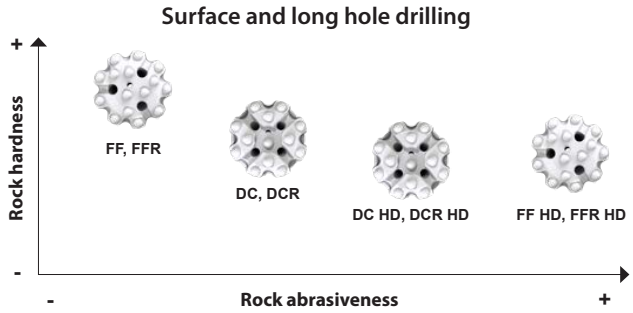
Advanced face types

FF = Flat Face for medium and hard rock conditions

FF HD = Flat Face Heavy Duty model for more abrasive conditions

DC = Drop Center model for straighter holes with maximum flushing properties. (For soft and medium hard rock for speed drilling)

DC HD = Drop Center Heavy Duty model for more abrasive conditions

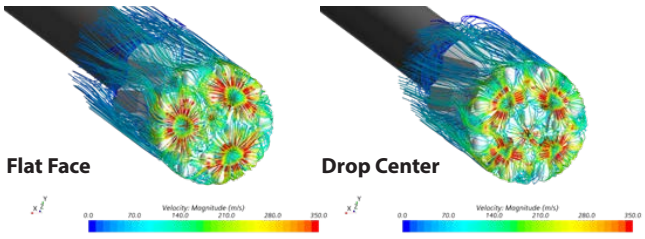


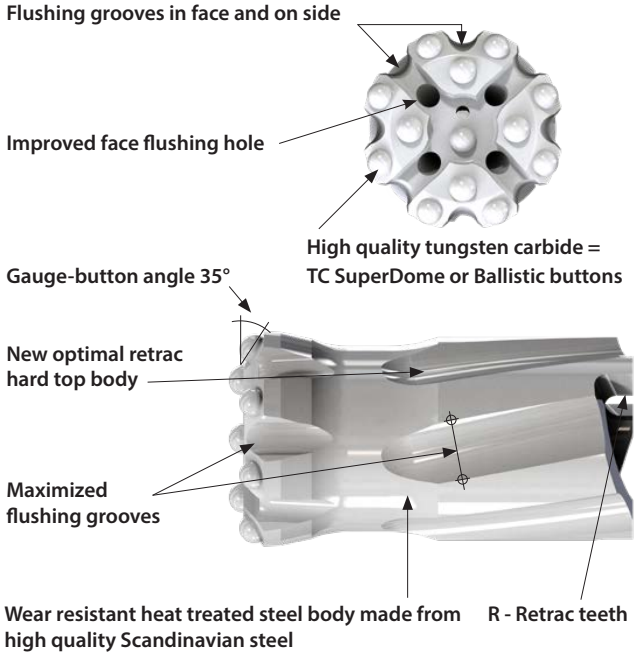
Revolutionary transition face

Transition face with rounded edges enables optimized button layout and new functional features to the bit.

Rbit™ series specifications

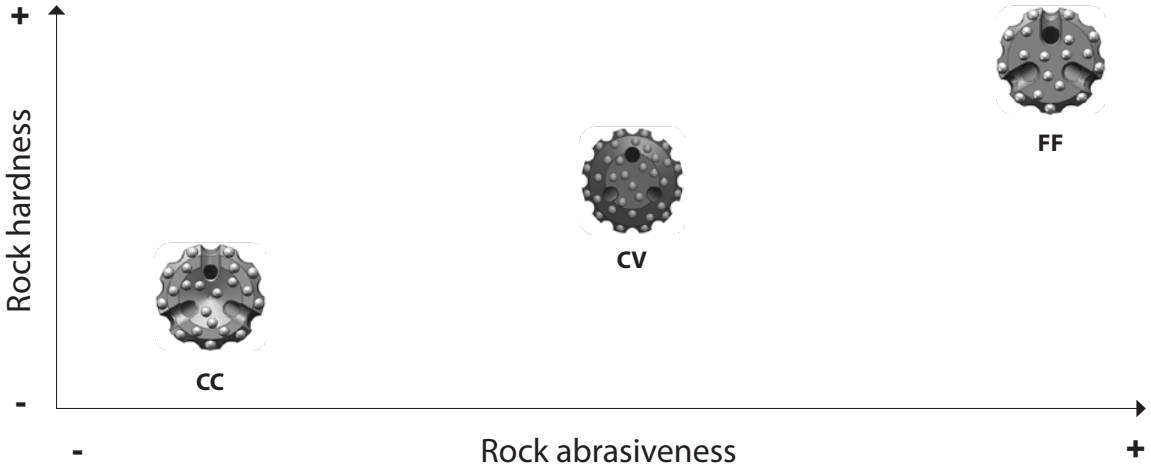
Computational Fluid Dynamics (CFD) simulation images show the efficient flushing properties of new Rbit™ series.





BIT SELECTION GUIDE

Geotechnical



Conventional Bits

Flat Face - FF

- Common face design in global market
- Excellently performing bit
- Hard to very hard rock
- Solid consistent formation

Concave - CC

- Common face design in global market
- Excellent deviation control
- Medium hard to hard rock
- Broken and sloped angled formation

Convex - CV

- Common in global market
- Excellent penetration rate
- Medium / hard formation
- Shales / sandstone formations

New DTH Drill Bit Description

Example: DTH BIT 165 QL60 FF H1

DTH BIT	165	QL60		FF		H	1
Product Group	Head Diameter	Shank Type	Footvalve	Face Type	Other	Carbide Profile	Carbide Grade
						If different carbide profile or grade in gauge and face, then 1st code will represent the gauge, 2nd the face	
DTH BIT DTH HAMMER DTH PIPE	165	DHD3.5 TD40 DHD340 QL50 DHD350 QL60 DHD360 QL80 DHD380	TL = Tubeless Blank = Standard Footvalve	FF = Flat Face CC = Concave CV = Convex DC = Drop Center XHF = Extra Hard Formation HFDC = Hard Formation Drop Center DRG = Double Gauge Row	RET = Retention GEN2 = 2nd Generation	H = Hemispherical SB = Semi Ballistic FB = Full Ballistic C = Conical	1 = Majority of Applications 2 = Very Hard Ground 3 = Underground Iron Ore 4 = Very High Abrasive 5 = Polycrystalline Diamond