

# DTH Drill Bits

## 2015 catalog



165 Joseph-Robertson, Sherbrooke, Qc. CANADA J1L 2W7

OFF: 819-569-4207 FAX: 819-563-6883 [info@georocfor.ca](mailto:info@georocfor.ca)

[www.georocfor.com](http://www.georocfor.com)

**Standard DTH Bits**





Shank Type	Dimension	Button		GeoRocFor part #	Shank Type	Dimension	Button		GeoRocFor part #				
		Inch	MM				Inch	MM					
COP 32	3 3/8"	7/16"	11	BCOP32 * 3.375**	M30	3 1/2"	7/16"	11	BM30 * 3.500** BM30 * 3.625** BM30 * 3.750** BM30 * 3.875**				
	3 9/16"	7/16"	11	BCOP32 * 3.375**									
	3 15/16"	7/16"	11	BCOP32 * 3.375**									
DHD 3.5	3 9/16"	1/2"	12	B3.5 * 3.562**			3 5/8"	7/16"		11			
	3 5/8"	1/2"	12	B3.5 * 3.625**				3 3/4"		7/16"		11	
	3 3/4"	1/2"	12	B3.5 * 3.750**						3 7/8"		7/16"	11
	3 15/16"	1/2"	12	B3.5 * 3.937**								7/16"	11
	4 1/8"	1/2"	12	B3.5 * 4.125**									
COP 42	4 1/8"	9/16"	14	BCOP42 * 4.125**			M40	4 1/2"		9/16"	14	BM40 * 4.500** BM40 * 4.750** BM40 * 5.000**	
	4 5/16"	9/16"	14	BCOP42 * 4.312**									
	4 1/2"	9/16"	14	BCOP42 * 4.500**									
	4 15/16"	9/16"	14	BCOP42 * 4.937**									
	5 1/8"	9/16"	14	BCOP42 * 5.125**									
DHD 340	4 1/8"	9/16"	14	BIR340 * 4.125**	3415 SD-4	4"	9/16"	14	BIMSD4 * 4.000** BIMSD4 * 4.125** BIMSD4 * 4.250** BIMSD4 * 4.500** BIMSD4 * 4.750** BIMSD4 * 4.875** BIMSD4 * 5.125** BTSD4				
	4 1/4"	9/16"	14	BIR340 * 4.250**									
	4 1/2"	9/16"	14	BIR340 * 4.500**									
	4 3/4"	9/16"	14	BIR340 * 4.750**									
	5"	9/16"	14	BIR340 * 5.000**									
	5 1/8"	9/16"	14	BIR340 * 5.125**									
	Tube			BTIR340									
DHD QL 40	4 1/8"	9/16"	14	BIRQL4 * 4.125**		4 1/8"	9/16"	14					
	4 1/2"	9/16"	14	BIRQL4 * 4.500**									
	4 3/4"	9/16"	14	BIRQL4 * 4.750**									
	5"	9/16"	14	BIRQL4 * 5.000**									
	5 1/8"	9/16"	14	BIRQL4 * 5.125**									
	Tube			BTQL4									
DHD 350	5.0"	5/8"	16	B350 * 5.000**		4315 SD-5	5"	9/16"		14	BIMSD5 * 5.000** BIMSD5 * 5.125** BIMSD5 * 5.250** BIMSD5 * 5.375** BIMSD5 * 5.500** BIMSD5 * 5.750** BIMSD5 * 5.875** BTSD5		
	5 1/8"	5/8"	16	B350 * 5.125**									
	5 1/4"	5/8"	16	B350 * 5.250**									
	5 1/2"	5/8"	16	B350 * 5.500**									
	5 3/4"	5/8"	16	B350 * 5.750**									
	6"	5/8"	16	B350 * 6.000**									
	Tube			BTQL50									
	DHD QL 50	5 1/8"	5/8"	16	BIRQ50 * 5.125**				M50			5 1/8"	5/8"
5 1/4"		5/8"	16	BIRQ50 * 5.250**									
5 1/2"		5/8"	16	BIRQ50 * 5.500**									
5 3/4"		5/8"	16	BIRQ50 * 5.750**									
6"		5/8"	16	BIRQ50 * 6.000**									
Tube				BTQL50									
DHD 360 SF-6	6"	5/8"	16	BIR360 * 6.000**	53-15 53-25 SD-6	6"	5/8"	16	BIMSD6 * 6.000** BIMSD6 * 6.125** BIMSD6 * 6.250** BIMSD6 * 6.500** BIMSD6 * 6.750**				
	6 1/8"	5/8"	16	BIR360 * 6.125**									
	6 1/2"	5/8"	16	BIR360 * 6.250**									
	6 3/4"	3/4"	19	BIR360 * 6.750**									
	7"	3/4"	19	BIR360 * 7.000**									
DHD 360	7 1/2"	5/8"	16	OBIR360 * 7.500**	53-15	7"	5/8"	16	BIMSD6 * 7.000** BIMSD6 * 7.500**				
	7 7/8"	5/8"	16	BIR360 * 7.875**									

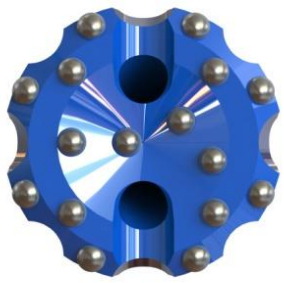
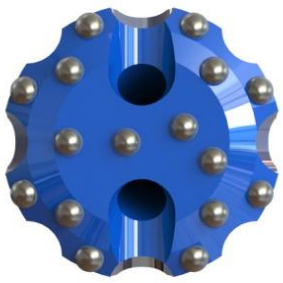
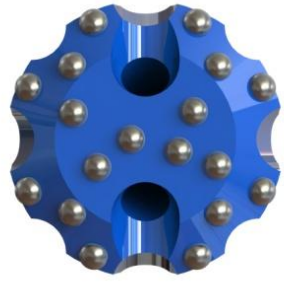
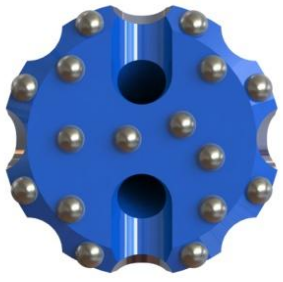

<b>SF-6</b>	8" 8 1/2" 8 5/8" 10" Tube	5/8" 16 5/8" 16 5/8" 16 5/8" 16	BIR360 * 8.000** BIR360 * 8.500** BIR360 * 8.625** BIR360 * 10.00** BTIR360	<b>53-25 SD-6</b>	7 7/8" 8" 8 1/2" 8 5/8" 10" Tube	5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16	BIMSD6 * 7.875** BIMSD6 * 8.000** BIMSD6 * 8.500** BIMSD6 * 8.625** BIMSD6 * 10.00** BTSD6
<b>DHD QL 60</b>	6" 6 1/8" 6 1/2" 6 3/4" 7" 7 1/2" 8" 8 1/2" 8 5/8" 10" Tube	5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16	BIRQ6_ * 6.000** BIRQ6_ * 6.125** BIRQ6_ * 6.250** BIRQ6_ * 6.750** BIRQ6_ * 7.000** BIRQ6_ * 7.500** BIRQ6_ * 8.000** BIRQ6_ * 8.500** BIRQ6_ * 8.625** BIRQ6_ * 10.00** BTQL65	<b>M60</b>	6" 6 1/8" 6 1/2" 6 3/4" 7" 7 1/2" 8" 8 1/2" 8 5/8" 10"	5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 5/8" 16 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BM60_ * 6.000** BM60_ * 6.125** BM60_ * 6.250** BM60_ * 6.750** BM60_ * 7.000** BM60_ * 7.500** BM60_ * 8.000** BM60_ * 8.500** BM60_ * 8.625** BM60_ * 10.00**
<b>DHD 380</b>	7 7/8" 8" 8 1/2" 8 5/8" 8 3/4" 9 1/2" 9 3/4" 10" 10 5/8" 12" Tube	3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BIR380 * 7.875** BIR380 * 8.000** BIR380 * 8.500** BIR380 * 8.625** BIR380 * 8.750** BIR380 * 9.500** BIR380 * 9.750** BIR380 * 10.00** BIR380 * 10.62** BIR380 * 12.00** BTIR380	<b>63-15 SD-8</b>	7 3/8" 7 5/8" 7 7/8" 8" 8 1/2" 8 5/8" 8 3/4" 9 1/2" 9 7/8" 10" 10 5/8" 12" Tube	3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BIMSD8 * 7.375** BIMSD8 * 7.625** BIMSD8 * 7.875** BIMSD8 * 8.000** BIMSD8 * 8.500** BIMSD8 * 8.625** BIMSD8 * 8.750** BIMSD8 * 9.500** BIMSD8 * 9.875** BIMSD8 * 10.00** BIMSD8 * 10.62** BIMSD8 * 12.00** BTSD8
<b>DHD QL 80</b>	7 7/8" 8" 8 1/2" 8 5/8" 8 3/4" 10" 10 5/8" 12" Tube	3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BIRQ80 * 7.875** BIRQ80 * 8.000** BIRQ80 * 8.500** BIRQ80 * 8.625** BIRQ80 * 8.750** BIRQ80 * 10.00** BIRQ80 * 10.62** BIRQ80 * 12.00** BTQL80	<b>M80</b>	7 7/8" 8" 8 1/2" 8 5/8" 8 3/4" 9 1/2" 9 3/4" 10" 10 5/8" 12"	3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BM80 * 7.875** BM80 * 8.000** BM80 * 8.500** BM80 * 8.625** BM80 * 8.750** BM80 * 9.500** BM80 * 9.750** BM80 * 10.00** BM80 * 10.62** BM80 * 12.00**
<b>DHD 112</b>	11" 11 7/8" 12" 12 1/4" 12 1/2" 13" 14" 15" 16 1/4" 17" 17 1/2" 18 1/2" Tube	3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BIR112 * 11.00** BIR112 * 11.87** BIR112 * 12.00** BIR112 * 12.25** BIR112 * 12.50** BIR112 * 13.00** BIR112 * 14.00** BIR112 * 15.00** BIR112 * 16.25** BIR112 * 17.00** BIR112 * 17.50** BIR112 * 18.50** BTIR112	<b>SD-10</b>	9 7/8" 10" 10 5/8" 11" 12" 12 1/2" 13" Tube	3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19 3/4" 19	BIMSD10 * 9.875** BIMSD10 * 10.00** BIMSD10 * 10.62** BIMSD10 * 11.00** BIMSD10 * 12.00** BIMSD10 * 12.50** BIMSD10 * 13.00** BTSD10
<b>DHD</b>	12 1/4" 12 1/2"	3/4" 19 3/4" 19	BIRQ120 * 12.25** BIRQ120 * 12.50**	<b>SD-12</b>	11 7/8" 12"	3/4" 19 3/4" 19	BIMSD12 * 11.87** BIMSD12 * 12.00**

<b>QL 120</b>	13"	3/4" 19	BIRQ120 * 13.00**		12 1/4"	3/4" 19	BIMSD12 * 12.25**
	14"	3/4" 19	BIRQ120 * 14.00**		12 1/2"	3/4" 19	BIMSD12 * 12.50**
	15"	3/4" 19	BIRQ120 * 15.00**		13"	3/4" 19	BIMSD12 * 13.00**
	16 1/4"	3/4" 19	BIRQ120 * 16.25**		14"	3/4" 19	BIMSD12 * 14.00**
	17"	3/4" 19	BIRQ120 * 17.00**		15"	3/4" 19	BIMSD12 * 15.00**
	17 1/2"	3/4" 19	BIRQ120 * 17.50**		16"	3/4" 19	BIMSD12 * 16.00**
	18 1/2"	3/4" 19	BIRQ120 * 18.50**		17"	3/4" 19	BIMSD12 * 17.00**
	19"	3/4" 19	BIRQ120 * 19.00**		17 1/2"	3/4" 19	BIMSD12 * 17.50**
	20"	3/4" 19	BIRQ120 * 20.00**		18 1/2"	3/4" 19	BIMSD12 * 18.50**
	22"	3/4" 19	BIRQ120 * 22.00**		20"	3/4" 19	BIMSD12 * 20.00**
				Tube		BTSD12	
<b>DHD 124</b>	24"	3/4" 19	BIR124 * 24.00**	<b>SD-15</b>	17 1/2"	3/4" 19	BIMSD15 * 17.50**
	26"		BIR124 * 26.00**		20"	3/4" 19	BIMSD15 * 20.00**
	28"	and	BIR124 * 28.00**		21"	3/4" 19	BIMSD15 * 21.00**
	30"		BIR124 * 30.00**		22"	3/4" 19	BIMSD15 * 22.00**
	32"	1" 25	BIR124 * 32.00**		24"	3/4" 19	BIMSD15 * 24.00**
	34"		BIR124 * 34.00**		26"	3/4" 19	BIMSD15 * 26.00**
	36"		BIR124 * 36.00**		Tube		BTSD15
<b>DHD QL200P Pin drive</b>	17 1/4"	3/4" 19	BIRQ200P * 17.25**	<b>SD-18</b>	17 1/2"	3/4" 19	BIMSD15 * 17.50**
	17 1/2"		BIRQ200P * 17.50**		20"		BIMSD15 * 20.00**
	19"	and	BIRQ200P * 19.00**		22"	and	BIMSD15 * 22.00**
	20"		BIRQ200P * 20.00**		23"		BIMSD15 * 23.00**
	22"	1" 25	BIRQ200P * 22.00**		24"	1" 25	BIMSD15 * 24.00**
	24"		BIRQ200P * 24.00**		25"		BIMSD15 * 25.00**
	26"		BIRQ200P * 26.00**		26"		BIMSD15 * 26.00**
	Tube		BTQL200		28"		BIMSD15 * 28.00**
					30"		BIMSD15 * 30.00**
					33"		BIMSD15 * 33.00**
					34"		BIMSD15 * 34.00**
					36"		BIMSD15 * 36.00**
			Tube		BTSD18		
<b>DHD QL 200</b>	29"	3/4" 19	BIRQL200 * 29.00**				
	30"	ET	BIRQL200 * 30.00**				
	34"	1" 25	BIRQL200 * 34.00**				
	36"		BIRQL200 * 36.00**				
	Tube		BTQL200				



DTH Drill Bits			
Button grade		Face Design	
( * )	S = Soft M= Medium (standard) H = Hard D = Dyanite DA = Diamond	( ** )	CC = Concave CX = Convex CCX = Convex double gauge FF = Flat face DC = Drop Center

DTH Drill Bits			
Buttons Shape			
<u>Dome</u>	<u>Balistic</u>	<u>Semi-Balistic</u>	<u>Conical</u>
			

<b>DTH Drill Bits</b>			
<b>Face Designs</b>			
	<p><b>Concave</b></p> <p>Most common face design. Medium to hard rock formations</p>		<p><b>Convex</b></p> <p>For very hard drilling formations with good penetration rate</p>
	<p><b>Convex Double Gauge</b></p> <p>Used in very hard formation to reduce wear on gauge buttons Deep hole application</p>		<p><b>Flat Face</b></p> <p>Robust face design for hard rock formation Shallow holes</p>
	<p><b>Drop Center</b></p> <p>To prevent hole deviation in fractured rock condition</p>		

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