

# **BD Drill**

## ***Surface Drilling***

## ***Top Hammer***

## ***Drilling Tools***

[www.bddrill.com.au](http://www.bddrill.com.au) / [www.bddrill.ca](http://www.bddrill.ca)



**Black Diamond Drilling Services Australia Pty Ltd**

# ABOUT US

## Black Diamond Drilling Services Australia Pty Ltd

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## Black Diamond Drilling Tools Canada Inc.

**Sudbury Headquarters:** 1899 Lassalle Blvd, unit 6, Sudbury, On, Canada, P3A-2A3

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## Black Diamond Drilling Tools USA LLC.

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## Black Diamond Drilling Mongolia LLC.

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**1000**  
EMPLOYEES



**300,000**  
M<sup>2</sup> OF  
FACTORY



### ANNUAL PRODUCTION

***DTH hammer: over 20,000 units***

***Maximum size for hammer: 609mm(24")***

***Drill bit: 250,000 pcs***

***Maximum size for drill bit: 1000mm(39-1/3")***

***30 days for production on any quantity***



Black Diamond Drilling Services Australia Pty Ltd known as "BD DRILL" is a privately owned Australian Company which services the Mineral exploration, Mining, Water well and Geotechnical sectors of the drilling industry.

BD DRILL is a subsidiary of Changsha Heijingang Industrial Ltd. Co., the head office is located in Perth, Western Australia and supports regions in Australia and the overseas market.

BD DRILL has established a reputation for outstanding commitment to product quality, innovation and most importantly customer service.

Our extensive product range covers DTH equipment (conventional, reverse circulation, bits, strings and rigs), Top hammer and a comprehensive selection of various drilling products (diamond bit, drag bit, tricone bits, drilling grease and other consumables.)

# RECOMMENDED SAFETY PROCEDURES

The mining industry continues to demand even higher levels of safety and productivity. In order to meet these requirements, we work continuously to develop even safer products and to produce comprehensive manuals enabling safer and effective use of our products.



## IT'S ALL ABOUT EVERYONE'S HEALTH

Helping you to ensure a safer workplace and healthier workforce is of the utmost importance to us. The well-being of any person coming into contact with our equipment is paramount. Therefore, we strive to identify and assess potential risk factors that could threaten the health of you and your employees. All the products in our catalogue are designed to meet safety requirements.

## DRESS RIGHT FROM HEAD TO TOE

You must always wear appropriate personal protective equipment (PPE). This is what we strongly recommend, to help avoid injury:

- Safety helmet
- Hearing protection
- Safety glasses
- Protective high visibility clothing
- Respiratory protection
- Safety boots
- Any site-specific PPE as required

## BE AWARE OF ALL SAFETY PROCEDURES

We ask that you start by obeying all instructions given. Never work under an unsupported roof or close to potential pinch point locations. Beware of the potential hazards of a loose roof and ribs and scale down roof ribs prior to bolting. It is important to bolt early in the mining process – as soon as safely and practically possible.

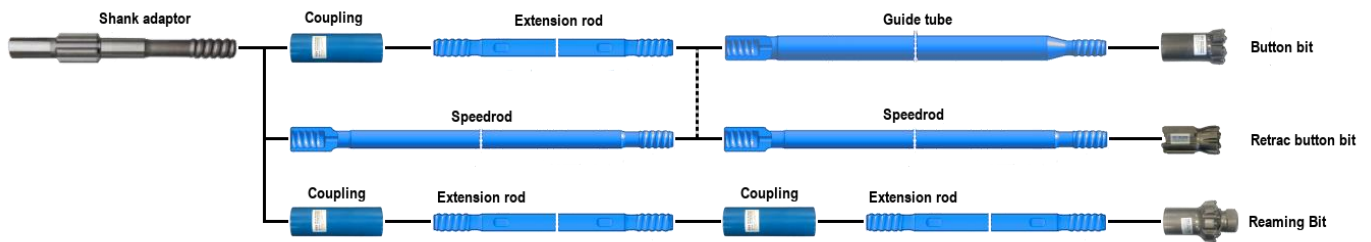
Safe work procedures should incorporate inspection before the machine operates and also through regular monitoring based upon mining conditions, safety and management systems. Workers should be provided with safety information, instruction and training on transportation, installation, operational care and disposal of drilling tools.

## MAKE A RISK ANALYSIS BEFORE YOU START










Pay attention to safety when planning all of your work. Before you start, always take your time to go through all operations. Identify any potential risks and take appropriate measures to avoid them. If necessary, seek expert advice on how to help minimize risks. Finally, make sure that you have the right resources to perform all tasks in the safest manner possible.

Please check [www.safeworkaustralia.gov.au](http://www.safeworkaustralia.gov.au) or [www.canada.ca/en/services/jobs/workplace/health-safety.html](http://www.canada.ca/en/services/jobs/workplace/health-safety.html) for more information.









## TOP HAMMER DRILL STRING







## T51 SURFACE DRILLING BITS

BITS	DIMENSIONS		Buttons, mm		Angle	Flushing Hole, mm		Part Number	Compatibility
	Imperial	Metric	Front No Size	Gauge No Size		Front No Size	Gauge No Size		
	3 1/2"	89mm	6x10	8x11	35°	4x12	-	TH-R89FF8-T51-TK	90513764
	3 1/2"	89mm	6x12	8x14	40°	4x12	-	TH-R89DC8-T51-TK	90513813
	4"	102mm	6x14	8x14	35°	4x13	-	TH-N102FF8-T51-TV	90510807
	4"	102mm	6x14	8x16	40°	4x14	-	TH-N102DC8-T51-TV	90510343
	4"	102mm	6x11	8x14	35°	4x14	-	TH-N102DC8-T51-TV-B	90510824
	4"	102mm	6x11	8x14	35°	2x12	-	TH-R102DC8-T51-TV/M	90510825
	4"	102mm	6x11	8x14	35°	2x12	-	TH-R102CVB-T51-TV	-
	4 1/2"	115mm	6x14	8x16	35°	2x13	-	TH-N115FF8-T51-TV	7516-1915-S48 90510340
	4 1/2"	115mm	6x14	9x14	35°	2x13	-	TH-N115DC8-T51-TV	90510874
	4 1/2"	115mm	7x14	9x14	35°	3x13	-	TH-R115FF9-T51-TV-M	90510344
	4 1/2"	115mm	7x14	9x14	35°	3x13	-	TH-R115DC-T51-TV-M	-
	4 1/2"	115mm	7x14	9x14	35°	3x13	-	TH-R115DC8-T51-TV-B	-
	4 1/2"	115mm	7x14	9x14	35°	3x13	-	TH-R115DC8-T51-TV-SB	-
	5"	127mm	6x14	8x16	35°	4x14	-	TH-N127FF8-T51-TV	90510360
	5"	127mm	6x14	8x16	35°	4x14	-	TH-N127DC8-T51-TV	90513815
	5"	127mm	6x14	8x16	35°	4x14	-	TH-N127CVB-T51-TV	7516-4927-S48 90513757
	5"	127mm	7x14	8x16	35°	2x14	-	TH-R127FF8-T51-TV	-
	5"	127mm	7x14	8x16	35°	2x14	-	TH-R127DC-T51-TV-M	7516-4927-S48 90513757
	5 1/2"	140mm	6x15	8x15	35°	2x15	-	TH-N140DC-T51-TV	90515254
	5 1/2"	140mm	7x15	9x15	35°	3x15	-	TH-R140DC8-T51-TV	90515254

## EL60 SURFACE DRILLING BITS

BITS	DIMENSIONS		Buttons, mm		Angle	Flushing Hole, mm		Part Number
	Imperial	Metric	Front No Size	Gauge No Size		Front No Size	Gauge No Size	
	4"	102mm	7x12	8x13	35°	2x12	-	TH-N102DC8-EL60-TV-SPH
	4"	102mm	6x12	8x13	35°	2x12	-	TH-R102DC8-EL60-TV-SPH
	4 1/2"	115mm	6X11	8X13	40°	4X12	-	TH-N115DC-EL60-TV
	4 1/2"	115mm	6x11	8x13	40°	4x12	-	TH-R115DC-EL60-TV
	5"	127mm	6X14	8X14	35°	2X13	-	TH-N127DC8-EL60-TV-SPH
	5"	127mm	6x14	8x14	35°	4x13	-	TH-R127DC8-EL60-TV-SPH
	5 1/2"	140mm	6X14	8X14	35°	4X14	-	TH-N140DC8-EL60-TV-SPH
	5 1/2"	140mm	7x14	9x14	35°	3x14	-	TH-R140DC8-EL60-TV-SPH

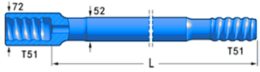
## BT60 SURFACE DRILLING BITS

BITS	DIMENSIONS		Buttons, mm		Angle	Flushing Hole, mm		Part Number
	Imperial	Metric	Front No Size	Gauge No Size		Front No Size	Gauge No Size	
	4"	102mm	6x12	8X13	35°	4X12	-	TH-N102DC8-BT60-TV
	4"	102mm	6x12	8x13	35°	4x12	-	TH-R102DC8-BT60-TV
	4 1/2"	115mm	6X11	8X13	40°	2X12	-	TH-N115DC8-BT60-TV
	4 1/2"	115mm	7x11	9x13	40°	3x12	-	TH-R115DC8-BT60-TV-M

# M/F SPEED RODS

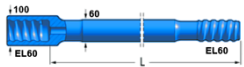
RODS	Dimensions				Part Number	Compatibility
	Length, L		Diameter			
	Imperial	Metric	Imperial	Metric		

## T51



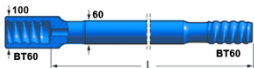
12'	3660mm	2"	52mm	ROD-TH-T51-3660-MF-O	7326-5537-70 90515311
14'	4300mm	2"	52mm	ROD-TH-T51-4300-MF	7326-5543-85 90515314
20'	6100mm	2"	52mm	ROD-TH-T51-6100-MF-O	7326-5561-85 90515557
24'	7300mm	2"	52mm	ROD-TH-T51-7300-MF	-

## EL60



12'	3660mm	2 3/8"	60mm	ROD-TH-EL60-3660-MF	-
14'	4300mm	2 3/8"	60mm	ROD-TH-EL60-3660-MF	210250
20'	6100mm	2 3/8"	60mm	ROD-TH-EL60-3660-MF	210268
24'	7300mm	2 3/8"	60mm	ROD-TH-EL60-3660-MF	-

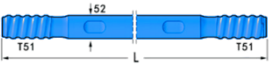
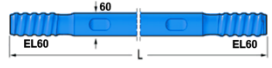

## BT60




12'	3660mm	2 3/8"	60mm	ROD-TH-BT60-3660-MF	-
14'	4300mm	2 3/8"	60mm	ROD-TH-BT60-4300-MF	-
20'	6100mm	2 3/8"	60mm	ROD-TH-BT60-6100-MF	-
24'	7300mm	2 3/8"	60mm	ROD-TH-BT60-7300-MF	-




# EXTENSION RODS

RODS	Dimensions				Part Number	Compatibility
	Length, L		Diameter			
	Imperial	Metric	Imperial	Metric		
<b>T51</b> 	11"	280mm	2"	52mm	ROD-TH-T51-280-MM	-
	3'	915mm	2"	52mm	ROD-TH-T51-915-MM	-
	12'	3660mm	2"	52mm	ROD-TH-T51-3660-MM	7326-5337C-30 90515299
	14"	4300mm	2"	52mm	ROD-TH-T51-4300-MM	7326-5343C-30 90515300
	20'	6100mm	2"	52mm	ROD-TH-T51-6100-MM	7326-5361C-30 90515301
	24'	7300mm	2"	52mm	ROD-TH-T51-7300-MM	-
<b>EL60</b> 	3'	915mm	2 3/8"	60mm	ROD-TH-EL60-915-MM	203011
	12'	3660mm	2 3/8"	60mm	ROD-TH-EL60-3660-MM	200529
	14"	4300mm	2 3/8"	60mm	ROD-TH-EL60-4300-MM	200530
	20'	6100mm	2 3/8"	60mm	ROD-TH-EL60-6100-MM	200543
	24'	7300mm	2 3/8"	60mm	ROD-TH-EL60-7300-MM	-
<b>BT60</b> 	3'	915mm	2 3/8"	60mm	ROD-TH-BT60-915-MM	-
	12'	3660mm	2 3/8"	60mm	ROD-TH-BT60-3660-MM	-
	14"	4300mm	2 3/8"	60mm	ROD-TH BT60-4300-MM	-
	20'	6100mm	2 3/8"	60mm	ROD-TH-BT60-6100-MM	-
	24'	7300mm	2 3/8"	60mm	ROD-TH-BT60-7300-MM	-




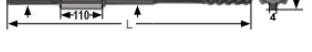
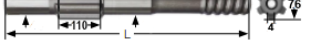
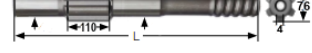
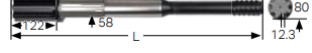


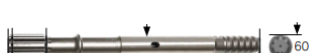
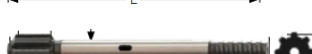
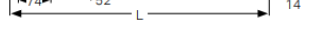



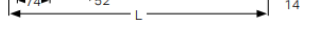

# T51 GUIDE TUBES

GUIDE TUBE	Length		Diameter		Part Number	Compatibility
	Imperial	Metric	Imperial	Metric		
<b>T51</b> 	12'	3660mm	3"	76mm	TH-GTUBE-T51-3600-FF-76	-
	12'	3660mm	3"	76mm	TH-GTUBE-T51-3600-MF-76	7957-7637-70 94502641
<b>EL60</b> 	12'	3660mm	3 1/2"	87mm	TH-GTUBE-EL60-3660-MF-87	-
	14'	4300mm	3 1/2"	87mm	TH-GTUBE-EL60-4300-MF-87	270097
<b>BT60</b> 	12'	3660mm	3 1/2"	87mm	TH-GTUBE-BT60-3660-MF-87	-
	14'	4300mm	3 1/2"	87mm	TH-GTUBE-BT80-4300-MF-87	-

## COUPLING SLEEVES

COUPLING SLEEVES	Thread	Dimensions				Part Number	Compatibility
		Length, L		Diameter, D			
		Imperial	Metric	Imperial	Metric		
	T51	7 7/8"	225mm	2 51/64"	71mm	TH-COUP-T51	7316-3671
	T51	9 1/4"	235mm	3 1/32"	77mm	TH-COUP-T51-77/SS235	90515743
	T51	9 1/4"	235mm	3 1/32"	77mm	TH-COUP-T51-77/SS235-SB	90515745
	T51	9 1/4"	235mm	3 1/4"	82mm	TH-COUP-T51-82/SS235-SB	-
	EL60	7 1/2"	190mm	2 13/32"	61mm	TH-COUP-EL60-82/190-SB	-

## SHANK ADAPTORS

SHANK ADAPTOR	Drifter Model	Thread	Length, L	Part Number	Compatibility
	COP 4050ME	EL60	700mm	TH-SHANK-COP4050/S-T51	7600-3712-01
	COP3060	T45	830mm	TH-SHANK-T51-COP3060/T45	-
	COP2160EX/ 2560EX	T51	770mm	TH-SHANK-2160/2560EX-T51	7306-3689-01
	HPR2	T51	915mm	TH-SHANK-T51-HPR2/GD5000	-
	HPR2-60	T51	1040mm	TH-SHANK-HPR2-60-T51	-
	HPR2-60	EL60	1040mm	TH-SHANK-HPR2-60-EL60	-
	HPR2-70	T51	1040mm	TH-SHANK-HPR2-70-T51	-
	HD612	T45	720mm	TH-SHANK-HD612-T45	7305-3663-01
	HD715	T51	885mm	TH-SHANK-HD715-T51	7306-7424-01
	HC120R	T45	670mm	TH-SHANK-HC120R-T45	90516212
	HC120R	T51	670mm	TH-SHANK-HC120R-T51	7306-7528-02
	HC160	T51	805mm	TH-SHANK-HC160R-T51	90516047
	HL700	T51	650mm	TH-SHANK-HL700/650	7305-6008-01
	HL1500	T51	760mm	TH-SHANK-T51-1500-D80/L760	7600-6022-03
	HL1500	BT60	760mm	TH-SHANK-BT60-1500-D65/L760	-
	HL1500	BT60	760mm	TH-SHANK-BT60-1500-D80/L760	-
	HL1500PE	T51	760mm	TH-SHANK-T51-1500PE-D65/L760	90003702



Black Diamond Drilling can custom manufacture equipment to suit your drilling needs.  
Please contact one of our representatives to discuss your equipment needs.



**BD Drill**

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### Version 2

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