

# **BD Drill**

## ***Underground Production Drilling Tools***

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



**BD Drill Black Diamond Drilling Services Australia Pty Ltd**

# ABOUT US

## Black Diamond Drilling Services Australia Pty Ltd



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## Black Diamond Drilling Tools USA LLC.



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## Black Diamond Drilling Mongolia LLC.



**Ulan Bator Headquarters:** No 206, Second Floor, Arig Center Jamyen Gun Street, 1<sup>st</sup> Khoroo, Sukhbaatar District, Ulaanbaatar, Mongolia

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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.

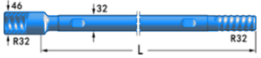







# SHANK ADAPTORS

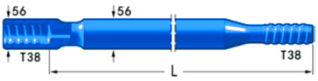


SHANK ADAPTOR	Drifter Model	Thread	Length, L	Part Number	Compatibility
	HL1000	T45	590mm	THU-SHANK-590-T45	7305-6008-01
	HL1000	T51	670mm	THU-SHANK-670-T51	7306-6010-02
	HL1500ST	ST58	635mm	THU-SHANK-635-ST58	7328-6035-01
	HL1500ST	ST68	635mm	THU-SHANK-635-ST68	7329-6035-05
	HL1560ST	ST58	635mm	THU-SHANK-635-ST58B	7328-6020-01
	HL1560ST	ST68	635mm	THU-SHANK-635-ST68B	7329-6020-05
	HL500	T38	550mm	THU-SHANK-550-T38	7304-7557-01
	HL500	T45	550mm	THU-SHANK-550-T45	7305-7557-01
	HL700	T45	600mm	THU-SHANK-600-T45	7305-7577-02
	HL700	T51	600mm	THU-SHANK-600-T51	7306-7577-03
	COP 1838/1532	T38	525mm	THU-SHANK-1838-T38/525/38	90516121
	COP 1838ME	T38	435mm	THU-SHANK-1838ME-T38/435/38	90516120
	COP 1838EX	T45	730mm	THU-SHANK-730-T45B	7305-3826-02
	COP 1838MUX+	T38	730mm	THU-SHANK-730-T38	7304-3663-01
	COP 1838MUX+	T45	730mm	THU-SHANK-730-T45	7305-3663-01
	COP 2550UX	T45	770mm	THU-SHANK-2550UX-T45/770/60	90516030
	COP 2550UX	ST58	770mm	THU-SHANK-2550UX-ST58/770/77	90516511
	COP 4050MUX	ST58	835mm	THU-SHANK-833-ST58	7328-3720-01
	COP 4050MUX	ST68	835mm	THU-SHANK-833-ST68	7329-3720-01



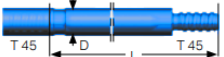

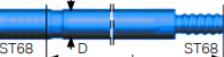
# MF SPEED RODS

ROD THREAD	Dimensions				Part Number	Compatibility
	Length, L		Diameter			
	Imperial	Metric	Imperial	Metric		
<b>R32</b> 	4"	1220mm	1 1/4"	32mm	ROD-THU-R32/R32/R32-1220-MF	90500834
	5"	1525mm	1 1/4"	32mm	ROD-THU-R32/R32/R32-1525-MF	90500627
	6"	1830mm	1 1/4"	32mm	ROD-THU-R32/R32/R32-1830-MF	90500628
<b>T35</b> 	4"	1220mm	1 1/2"	39mm	ROD-THU-T35/R39/T35-1220-MF	-
	5"	1525mm	1 1/2"	39mm	ROD-THU-T35/R39/T35-1525-MF	-
	6"	1830mm	1 1/2"	39mm	ROD-THU-T35/R39/T35-1830-MF	-
<b>R35</b> 	4"	1220mm	1 1/2"	39mm	ROD-THU-R35/R39/R35-1220-MF	-
	5"	1525mm	1 1/2"	39mm	ROD-THU-R35/R39/R35-1525-MF	-
	6"	1830mm	1 1/2"	39mm	ROD-THU-R35/R39/R35-1830-MF	-
<b>T38</b> 	4"	1220mm	1 1/2"	39mm	ROD-THU-T38/R39/T38-1220-MF	90510719
	5"	1525mm	1 1/2"	39mm	ROD-THU-T38/R39/T38-1525-MF	7324-4715C-20 90510720
	6"	1830mm	1 1/2"	39mm	ROD-THU-T38/R39/T38-1830-MF	7324-4718C-20 90510721
<b>T45</b> 	4"	1220mm	1 3/4"	46mm	ROD-THU-T45/R46/T45-1220-MF	7325-7712C-20
	5"	1525mm	1 3/4"	46mm	ROD-THU-T45/R46/T45-1525-MF	90510730
	6"	1830mm	1 3/4"	46mm	ROD-THU-T45/R46/T45-1830-MF	90510731
<b>T51</b> 	4"	1220mm	2"	52mm	ROD-THU-T51/R52/T51-1220-MF	7326-5518C-20 90510738
	5"	1525mm	2"	52mm	ROD-THU-T51/R52/T51-1525-MF	90510737
	6"	1830mm	2"	52mm	ROD-THU-T51/R52/T51-1830-MF	90510738

## GUIDE TUBES

GUIDE TUBE	Dimensions				Part Number	Compatibility
	Length, L		Diameter			
	Imperial	Metric	Imperial	Metric		
<b>T38</b> 	4'	1220mm	2 1/8"	56mm	GTUBE-THU-T38-1220-MF	7955-5612-20 94502648
	5'	1525mm	2 1/8"	56mm	GTUBE-THU-T38-1525-MF	94000051
	6'	1830mm	2 1/8"	56mm	GTUBE-THU-T38-1830-MF	7955-5618-20 94000052
<b>T45</b> 	4'	1220mm	2 1/2"	64mm	GTUBE-THU-T45-1220-MF	94502687
	5'	1525mm	2 1/2"	64mm	GTUBE-THU-T45-1525-MF	94000047
	6'	1830mm	2 1/2"	64mm	GTUBE-THU-T45-1830-MF	94000046
<b>T51</b> 	4'	1220mm	3"	76mm	GTUBE-THU-T51-1220-MF	90514257
	5'	1525mm	3"	76mm	GTUBE-THU-T51-1525-MF	-
	6'	1830mm	3"	76mm	GTUBE-THU-T51-1830-MF	7957-7618-20 94000046

## DRILL TUBES

THREAD	Dimensions				Part Number	Compatibility
	Length		Diameter			
	Imperial	Metric	Imperial	Metric		
<b>T45</b> 	4'	1220mm	2 1/2"	65mm	TUBE-THU-T45-1220-MF	-
	5'	1525mm	2 1/2"	65mm	TUBE-THU-T45-1525-MF	7985-6315-26
	6'	1830mm	2 1/2"	65mm	TUBE-THU-T45-1830-MF	7985-6318-26
<b>ST58</b> 	4'	1220mm	3"	76mm	TUBE-THU-ST58-1220-MF	-
	5'	1525mm	3"	76mm	TUBE-THU-ST58-1525-MF	7378-7615-26
	6'	1830mm	3"	76mm	TUBE-THU-ST58-1830-MF	7378-7618-26
<b>ST68</b> 	4'	1220mm	3 1/2"	87mm	TUBE-THU-ST68-1220-MF	-
	5'	1525mm	3 1/2"	87mm	TUBE-THU-ST68-1525-MF	7379-8715-26
	6'	1830mm	3 1/2"	87mm	TUBE-THU-ST68-1830-MF	7379-8718-26

# PRODUCTION DRILLING BITS



## R32 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number	Compatibility
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric		

### Parabolic Button Bit



2x6	1x6	2x8	6x9	35°	1 5/8"	41mm	THU-N41FF/BB-R32	90505171
2x5	2x6	2x9	6x10	35°	1 11/16"	43mm	THU-N43FF/BB-R32	7733-6043-F49
2x5	2x6	2x9	6x10	30°	1 3/4"	45mm	THU-N45FF/BB-R32	7733-6045-F49
2x5	2x6	2x9	6x11	35°	1 7/8"	48mm	THU-N48FF/BB-R32	7733-6048-F49
2x6	2x7.5	2x10	6x12	30°	2"	51mm	THU-N51FF/BB-R32	7733-6051-F49
3x6	1x6	3x10	6x11	30°	2 1/4"	57mm	THU-N57FF/BB-R32	90510453
3x7	2x6	3x11	6x12	30°	2 1/2"	64mm	THU-N64FF/BB-R32	7733-1664-S48
4x7	-	5x10	6x11	30°	3"	76mm	THU-N76FF/BB-R32	7733-1876-S48

### Semi-Ballistic Button Bit



3x4.5	2x6	3x8	6x9	10° 35°	1 5/8"	41mm	THU-N41FF/SB-R32	90505172
3x4.5	2x6	3x9	6x10	10° 35°	1 11/16"	43mm	THU-N43FF/SB-R32	7733-5243A-S48
3x5	2x6	3x9	6x11	10° 35°	1 3/4"	45mm	THU-N45FF/SB-R32	7733-5245A-S48
3x6	2x7.5	3x9	6x11	10° 35°	1 7/8"	48mm	THU-N48FF/SB-R32	7733-5248A-S48
3x6	2x7.5	3x10	6x12	10° 40°	2"	51mm	THU-N51FF/SB-R32	7733-5251A-S48
3x4.5	1x4.5	3x8	6x9	10° 40°	2 1/4"	57mm	THU-N57FF/SB-R32	7733-5343A-R48
3x4.5	1x4.5	3x8	6x10	10° 40°	2 1/2"	64mm	THU-N64FF/SB-R32	7733-5345A-R48
3x4.5	1x4.5	3x8	6x10	10° 40°	3"	76mm	THU-N76FF/SB-R32	7733-5345A-S48

### Ballistic Button Bit



2x4.5	2x6	2x8	6x9	10° 35°	1 5/8"	41mm	THU-N41FF/B-R32	-
2x4.5	2x6	2x9	6x10	10° 35°	1 11/16"	43mm	THU-N43FF/B-R32	-
2x5	2x6	2x9	6x11	10° 35°	1 3/4"	45mm	THU-N45FF/B-R32	7733-5345A-S80
2x6	2x7.5	2x9	6x11	10° 35°	1 7/8"	48mm	THU-N48FF/B-R32	7733-5348A-R48
3x5	1x6	2x9	6x12	10° 40°	2"	51mm	THU-N51FF/B-R32	7733-1651A-R48
3x5	1x6	3x9	6x9	10° 40°	2 1/4"	57mm	THU-N57FF/B-R32	7733-1651A-S48
3x5	1x6	3x9	6x10	10° 40°	2 1/2"	64mm	THU-N64FF/B-R32	7733-1657A-S48
3x5	1x6	3x9	6x10	10° 40°	3"	76mm	THU-N76FF/B-R32	-

### Cross Type Bit



1x4.5	4x4.5	-	-	-	1 3/4"	45mm	THU-N45X-R32	7733-1345A-42
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### Dome Reaming Bit



3x6	1x6	1x13	12x13	35°	4"	102mm	THU-REAMER-D-102-R32	-
3x6	1x6	1x13	12x13	35°	5"	127mm	THU-REAMER-D-127-R32	-

### Spearg Reaming Bit









-	3x6	3x10	12x13	35°	4"	102mm	THU-REAMER-S-102/41-R32	7733-5602P-S48
-	3x6	3x10	12x13	35°	5"	127mm	THU-REAMER-S-127/76-R32	7733-5627P-S48


















# BD35 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric	
<b>Parabolic Button Bits</b>								
	2x6	1x6	2x8	6x9	35°	1 5/8"	41mm	THU-N41FF/BB-BD35
	2x5	2x6	2x9	6x10	35°	1 11/16"	43mm	THU-N43FF/BB-BD35
	2x5	2x6	2x9	6x10	30°	1 3/4"	45mm	THU-N45FF/BB-BD35
	2x5	2x6	2x9	6x11	35°	1 7/8"	48mm	THU-N48FF/BB-BD35
	2x6	2x7.5	2x10	6x12	30°	2"	51mm	THU-N51FF/BB-BD35
	3x6	1x6	3x10	6x11	30°	2 1/4"	57mm	THU-N57FF/BB-BD35
	3x7	2x6	3x11	6x12	30°	2 1/2"	64mm	THU-N64FF/BB-BD35
	4x7	-	5x10	8x11	30°	3"	76mm	THU-N76FF/BB-BD35
<b>Semi-Ballistic Button Bits</b>								
	3x4.5	2x6	3x8	6x9	10° 35°	1 5/8"	41mm	THU-N41FF/SB-BD35
	3x4.5	2x6	3x9	6x10	10° 35°	1 11/16"	43mm	THU-N43FF/SB-BD35
	3x5	2x6	3x9	6x11	10° 35°	1 3/4"	45mm	THU-N45FF/SB-BD35
	3x6	2x7.5	3x9	6x11	10° 35°	1 7/8"	48mm	THU-N48FF/SB-BD35
	3x6	2x7.5	3x10	6x12	10° 40°	2"	51mm	THU-N51FF/SB-BD35
	3x4.5	1x4.5	3x8	6x9	10° 40°	2 1/4"	57mm	THU-N57FF/SB-BD35
	3x4.5	1x4.5	3x8	6x10	10° 40°	2 1/2"	64mm	THU-N64FF/SB-BD35
	3x4.5	1x4.5	3x8	6x10	10° 40°	3"	76mm	THU-N76FF/SB-BD35
<b>Ballistic Button Bits</b>								
	2x4.5	2x6	2x8	6x9	10° 35°	1 5/8"	41mm	THU-N41FF/B-BD35
	2x4.5	2x6	2x9	6x10	10° 35°	1 11/16"	43mm	THU-N43FF/B-BD35
	2x5	2x6	2x9	6x11	10° 35°	1 3/4"	45mm	THU-N45FF/B-BD35
	2x6	2x7.5	2x9	6x11	10° 35°	1 7/8"	48mm	THU-N48FF/B-BD35
	3x5	1x6	2x9	6x12	10° 40°	2"	51mm	THU-N51FF/B-BD35
	3x5	1x6	3x9	6x9	10° 40°	2 1/4"	57mm	THU-N57FF/B-BD35
	3x5	1x6	3x9	6x10	10° 40°	2 1/2"	64mm	THU-N64FF/B-BD35
	3x5	1x6	3x9	6x10	10° 40°	3"	76mm	THU-N76FF/B-BD35
<b>Cross Type Bit</b>								
	1x4.5	4x4.5	-	-	-	1 3/4"	45mm	THU-N45X-BD35
<b>Dome Reaming Bits</b>								
	3x6	1x6	1x13	12x13	35°	4"	102mm	THU-REAMER-D-102-BD35
	3x6	1x6	1x13	12x13	35°	5"	127mm	THU-REAMER-D-127-BD35
<b>Spear Reaming Bits</b>								
	-	3x6	3x10	12x13	35°	4"	102mm	THU-REAMER-S-102/41-BD35
	-	3x6	3x10	12x13	35°	5"	127mm	THU-REAMER-S-127/76-BD35







# R35 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric	
<b>Parabolic Button Bits</b>								
	2x6	1x6	2x8	6x9	35°	1 5/8"	41mm	THU-N41FF/BB-R35
	2x5	2x6	2x9	6x10	35°	1 11/16"	43mm	THU-N43FF/BB-R35
	2x5	2x6	2x9	6x10	30°	1 3/4"	45mm	THU-N45FF/BB-R35
	2x5	2x6	2x9	6x11	35°	1 7/8"	48mm	THU-N48FF/BB-R35
	2x6	2x7.5	2x10	6x12	30°	2"	51mm	THU-N51FF/BB-R35
	3x6	1x6	3x10	6x11	30°	2 1/4"	57mm	THU-N57FF/BB-R35
	3x7	2x6	3x11	6x12	30°	2 1/2"	64mm	THU-N64FF/BB-R35
	4x7	-	5x10	8x11	30°	3"	76mm	THU-N76FF/BB-R35
<b>Semi-Ballistic Button Bits</b>								
	3x4.5	2x6	3x8	6x9	10° 35°	1 5/8"	41mm	THU-N41FF/SB-R35
	3x4.5	2x6	3x9	6x10	10° 35°	1 11/16"	43mm	THU-N43FF/SB-R35
	3x5	2x6	3x9	6x11	10° 35°	1 3/4"	45mm	THU-N45FF/SB-R35
	3x6	2x7.5	3x9	6x11	10° 35°	1 7/8"	48mm	THU-N48FF/SB-R35
	3x6	2x7.5	3x10	6x12	10° 40°	2"	51mm	THU-N51FF/SB-R35
	3x4.5	1x4.5	3x8	6x9	10° 40°	2 1/4"	57mm	THU-N57FF/SB-R35
	3x4.5	1x4.5	3x8	6x10	10° 40°	2 1/2"	64mm	THU-N64FF/SB-R35
	3x4.5	1x4.5	3x8	6x10	10° 40°	3"	76mm	THU-N76FF/SB-R35
<b>Ballistic Button Bits</b>								
	2x4.5	2x6	2x8	6x9	10° 35°	1 5/8"	41mm	THU-N41FF/B-R35
	2x4.5	2x6	2x9	6x10	10° 35°	1 11/16"	43mm	THU-N43FF/B-R35
	2x5	2x6	2x9	6x11	10° 35°	1 3/4"	45mm	THU-N45FF/B-R35
	2x6	2x7.5	2x9	6x11	10° 35°	1 7/8"	48mm	THU-N48FF/B-R35
	3x5	1x6	2x9	6x12	10° 40°	2"	51mm	THU-N51FF/B-R35
	3x5	1x6	3x9	6x9	10° 40°	2 1/4"	57mm	THU-N57FF/B-R35
	3x5	1x6	3x9	6x10	10° 40°	2 1/2"	64mm	THU-N64FF/B-R35
	3x5	1x6	3x9	6x10	10° 40°	3"	76mm	THU-N76FF/B-R35
<b>Cross Type Bit</b>								
	1x4.5	4x4.5	-	-	-	1 3/4"	45mm	THU-N45X-R35
<b>Dome Reaming Bits</b>								
	3x6	1x6	3x13	12x13	35°	4"	102mm	THU-REAMER-D-102-R35
	3x6	1x6	3x13	12x13	35°	5"	127mm	THU-REAMER-D-127-R35
<b>Spear Reaming Bits</b>								
	-	3x6	3x10	12x13	35°	4"	102mm	THU-REAMER-S-102/41-R35
	-	3x6	3x10	12x13	35°	5"	127mm	THU-REAMER-S-127/76-R35






## T38 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number	Compatibility
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric		
	3x5	1x5	4x10	6x10	40°	2 1/2"	64mm	THU-N64FF-T38	7514-2664A-S48
	3x6	1x6	4x10	6x10	30°	2 1/2"	64mm	THU-N64DC-T38	7514-1664-R48
	3x5	1x6	3x10	6x10	30°	2 1/2"	64mm	THU-R64FF-T38	7732-4437C-S48
	3x6	1x6	3x10	6x10	35°	2 1/2"	64mm	THU-R64DC-T38	7514-4864-R48
	3x6	2x6	3x10	6x10	35°	3"	76mm	THU-N76FF-T38	7732-5241-S48
	3x6	2x6	3x10	6x10	35°	3"	76mm	THU-N76DC-T38	7514-1876-R48
	3x11	1x6	4x11	6x11	35°	3"	76mm	THU-R76FF-T38	7514-7876A-S48
	3x8	-	4x11	6x11	35°	3"	76mm	THU-R76DC-T38	7514-4876-R48
	1	2	-	-	-	2 1/2"	64mm	THU-N64X-T38	-
	1	2	-	-	-	3"	76mm	THU-N76X-T38	-
	1	2	-	-	-	3 1/2"	89mm	THU-N89X-T38	-
	2x13	1x13	3x13	12x13	35°	4"	102mm	THU-REAMER-D-102-T38	-
	2x13	1x13	3x13	12x13	35°	5"	127mm	THU-REAMER-D-127-T38	-
	-	4x9	3x14	12x14	35°	5"	127mm	THU-REAMER-S-127/76-T38B	7514-5627-S48
	-	4x9	3x14	12x14	35°	6"	152mm	THU-REAMER-S-152/80-T38	7514-5652-S48






## T45 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number	Compatibility
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric		
	3x12	-	4x12	6x12	30°	3"	76mm	THU-N76FF-T45	7515-2676A-S48
	3x10	-	4x11	6x12	35°	3"	76mm	THU-N76DC-T45	7515-5576A-C60
	3x11	-	4x11	6x11	35°	3"	76mm	THU-R76FF-T45	7515-7876A-S48
	3x9	-	4x11	6x12	35°	3"	76mm	THU-R76DC-T45	7515-7576A-C60
	4x10	-	6x10	8x11	35°	3 1/2"	89mm	THU-N89FF-T45	7515-2689A-S48
	4x10	-	6x11	8x13	35°	3 1/2"	89mm	THU-N89DC-T45	7515-5589A-C60
	2x10	-	6x10	8x11	35°	3 1/2"	89mm	THU-R89FF-T45	7515-7889A-S48
	2x10	-	6x12	8x13	40°	3 1/2"	89mm	THU-R89DC-T45	7515-7589A-C60
	3x9	1x9	3x13	12x13	35°	5"	127mm	THU-REAMER-D-127-T45	-
	3x9	1x9	3x14	12x14	35°	6"	152mm	THU-REAMER-D-152-T45	-
	-	4x9	3x14	12x14	35°	5"	127mm	THU-REAMER-S-127/76-T45B	7515-5627-S48
	-	4x9	3x14	12x14	35°	6"	152mm	THU-REAMER-S-152/80-T45B	7515-5652-S48
	-	4x9	3x14	12x14	35°	8"	204mm	THU-REAMER-S-204/137-T45	7528-5604-S81






## T51 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number	Compatibility
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric		
	4x12	-	6x10	8x11	35°	3 1/2"	89mm	THU-N89FF-T51	7516-2689A-S48
	4x12	-	6x11	8x13	40°	3 1/2"	89mm	THU-N89DC-T51	7516-5589A-C60
	2x12	-	6x10	8x11	35°	3 1/2"	89mm	THU-R89FF-T51	7516-7889A-S48
	2x12	-	6x11	8x13	40°	3 1/2"	89mm	THU-R89DC-T51	7516-7589A-C60
	2x13	-	6x11	8x13	40°	4"	102mm	THU-N102FF-T51	7516-1902-R48
	2x11	-	6x11	8x13	40°	4"	102mm	THU-N102DC-T51	7516-5502A-C60
	4x10	-	6x12	8x13	35°	4"	102mm	THU-R102FF-T51	7516-7002-S70
	4x11	-	6x11	8x13	40°	4"	102mm	THU-R102DC-T51	7516-7502A-C60
	3x11	-	3x14	12x14	35°	6"	152mm	THU-REAMER-D-152-T51	-
	-	4x9	-	12x14	35°	5"	127mm	THU-REAMER-S-127/76-T51	-
	-	3x16	-	12x16	35°	6"	152mm	THU-REAMER-S-152/80-T51B	7516-5652-S48
	-	3x16	-	12x16	35°	8"	204mm	THU-REAMER-S-204/137-T51	7529-5604-S81

## ST58 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number	Compatibility
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric		
	4x10	-	6x12	8x13	40°	3 1/2"	89mm	THU-N89FF-ST58	7528-6289-F70
	4x10	-	6x12	8x12	35°	3 1/2"	89mm	THU-N89DC-ST58	7528-8489-R65
	3x12	-	8x11	9x13	35°	3 1/2"	89mm	THU-R89FF-ST58	7528-8589-S70
	3x12	-	8x12	9x12	35°	3 1/2"	89mm	THU-R89DC-ST58	7528-7389-R65
	2x12	-	7x12	8x12	35°	4"	102mm	THU-R102FF-ST58	7528-7302-R70
	2x12	-	7x14	8x14	35°	4 1/2"	115mm	THU-N115FF-ST58	7733-5345A-R48
	4x10	-	6x14	8x14	35°	4 1/2"	115mm	THU-N115DC-ST58	-
	4x10	-	6x14	8x14	35°	4 1/2"	115mm	THU-R115FF-ST58	7528-7315-R70
	3x9	-	-	12x14	35°	5"	127mm	THU-REAMER-S-127/76-ST58	7528-5627-S81
	3x9	-	-	12x14	35°	6"	152mm	THU-REAMER-S-152/80-ST58	7528-5652-S81
	3x16	-	-	12x16	35°	8"	204mm	THU-REAMER-S-204/137-ST58	7528-5604-S81

## ST68 BIT THREAD

BITS	Flushing Hole, mm		Buttons, mm		Angle	Dimensions		Part Number	Compatibility
	Front No Size	Gauge No Size	Front No Size	Gauge No Size		Imperial	Metric		
	4x13	-	6x12	8x14	40°	4"	102mm	THU-N102FF-ST58	7529-6202-F70
	4x10	-	6x12	8x12	35°	4"	102mm	THU-N102DC-ST68	7529-8402-R65
	3x15	-	8x14	9x16	35°	4"	102mm	THU-R102FF-ST68	7529-8902-S65
	3x10	-	8x12	9x12	35°	4"	102mm	THU-R102DC-ST68	7529-7302-R70
	2x10	-	7x14	8x14	35°	4 1/2"	115mm	THU-N115DC-ST68	7529-8415-R70
	2x10	-	7x14	8x14	35°	4 1/2"	115mm	THU-R115FF-ST68	7529-7315-R65
	4x12	-	6x14	8x16	35°	5"	127mm	THU-N127FF-ST68	-
	4x12	-	6x14	8x16	35°	5"	127mm	THU-R127FF-ST68	-
	3x9	-	-	12x16	35°	6"	152mm	THU-REAMER-S-152/80-ST68	7529-5652-S81
	3x16	-	-	12x16	35°	8"	204mm	THU-REAMER-S-204/137-ST68	7529-5604-S81
	3x16	-	-	12x18	35°	10"	254mm	THU-REAMER-S-254/150-ST68	7529-5654-S65





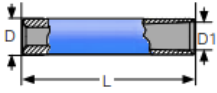
## BIT ADAPTORS

Thread		Length, mm	Part Number	Compatibility
Female	Male			
T38	T45	230	ADAPT-THU-FT38-MT45	7334-5401
	T51	280	ADAPT-THU-FT38-MT51	-
T45	T38	220	ADAPT-THU-FT45-MT38	7335-4401
	T51	285	ADAPT-THU-FT45-MT51	7335-6401
T51	T45	225	ADAPT-THU-FT51-MT45	7336-5401
	ST58	280	ADAPT-THU-FT51-MST58	-
	ST68	280	ADAPT-THU-FT51-MST68	-
ST58	T51	320	ADAPT-THU-FST58-MT51	-
	ST68	320	ADAPT-THU-FST58-MST68	-
ST68	T51	350	ADAPT-THU-FST68-MT51	-
	ST58	350	ADAPT-THU-FST68-MST58	-

# RECOVERY TOOLS

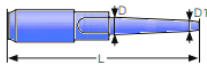
RECOVERY TOOL	Size	Dimensions						Part Number
		D		D1		Length, L		
		Imperial	Metric	Imperial	Metric	Imperial	Metric	

## Fishing Sleeve



R32 Round	1 59/64"	49mm	1 55/64"	47mm	11 13/16"	300mm	THU-TOOL-FSLEEVE-R32
R38 Round	2 23/64	60mm	-	-	1' 1 57/64"	353mm	THU-TOOL-FSLEEVE-R38
T35 Round	2 3/64"	52mm	1 31/32"	50mm	11 3/16"	284mm	THU-TOOL-FSLEEVE-T35
T38 Round	2 13/32"	61mm	2 19/64"	58mm	1' 1 57/64"	353mm	THU-TOOL-FSLEEVE-T38
T45 Round	2 51/64"	71mm	2 41/64"	67mm	10 53/64"	275mm	THU-TOOL-FSLEEVE-T45
T51 Round	3 15/64"	82mm	3 5/64"	78mm	1' 5 21/64"	440mm	THU-TOOL-FSLEEVE-T51
ST58 Rods	3 5/8"	92mm	3 7/16"	87mm	1' 5 23/32"	450mm	THU-TOOL-FSLEEVE-ST58
ST68	4 1/64"	102mm	3 37/64"	91mm	1' 3 5/32"	385mm	THU-TOOL-FSLEEVE-ST68

## Fishing Pike



R32 rods	49/64"	19.4mm	5/32"	4mm	11 1/32"	280mm	THU-TOOL-FPIKE-R32
T38 rods	49/64"	19.4mm	5/16"	8mm	9 21/64"	237mm	THU-TOOL-FPIKE-T38
T45 rods	1"	25mm	5/16"	8mm	10 53/64"	275mm	THU-TOOL-FPIKE-T45
T51 rods	1 1/16"	27mm	19/32"	15mm	11 7/32"	285mm	THU-TOOL-FPIKE-T51
ST58 rods	1 17/32"	39mm	53/64"	21mm	12 33/64"	318mm	THU-TOOL-FPIKE-ST58
ST68 rods	1 13/16"	46mm	1 7/16"	28mm	1 33/64"	318mm	THU-TOOL-FPIKE-ST68

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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