



BT SERIES DTH TOOLING

Rock Tools

COMPLEXITY.SIMPLIFIED





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IMPORTANT SAFETY INFORMATION

Use appropriate eye protection, gloves, masks, and ventilation when using our tools.



Use caution when breaking the chuck using the bit removal tool combined with reverse rotation. The shaft of the tool could turn with high force when breaking the chuck if the shaft of the tool is not locked or touching the edge of the feed beam. Use proper breakout tools (wrenches, chain wrench, and bit basket) when removing the bit and backhead from the casing.



Use care at all times when handling drill bits. Drill bits may become hot during operation and remain hot after drilling has stopped. Avoid direct skin contact with hot bits to avoid burns or other injuries.



Refer to our **Bit Grinding Safety Data Sheet** for safely grinding bits.



OVERVIEW

Boart Longyear's BT Hammer series offer less maintenance and increased reliability with minimal moving parts. 100% tubeless, no troublesome foot-valves!

1. TOP SUB

Back reaming buttons protect the top sub against wear when pulling out of the hole.

2. SOLID PISTON

Most productive piston concept, maximizing penetration rates.

3. GUIDE SLEEVE

Serves the same function as the plastic foot valve, but is a much more reliable solution.

4. DRIVE CHUCK

Hard facing protects the drive chuck and extends the life of the hammer.





BT4 - 4" DTH HAMMERS (Tubeless - No Foot Valves)

Part No.	Description
155078	BT4 HAMMER DTH 4T CUBEX 24
155058	BT4 HAMMER DTH 4T API 2-3/8 REG



BT5 - 5" DTH HAMMERS (Tubeless - No Foot Valves)

Part No.	Description
155037	BT5 HAMMER DTH 5T API 3-1/2
155059	BT5 HAMMER DTH 5T CUBEX 24



BT6 - 6" DTH HAMMERS (Tubeless - No Foot Valves)

Part No.	Description
155060	BT6 HAMMER DTH 6T CUBEX 28
155038	BT6 HAMMER DTH 6T API 3-1/2

OVERVIEW

Boart Longyear bits are optimized for drilling results in challenging ground conditions. Each design strikes a balance of flushing, gauge- and face-button wear, life, and rate-of-penetration.

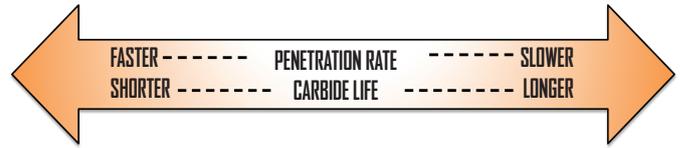
- Convex for higher penetration rates.
- Concave for straighter holes.
- Flat for easy sharpening and maintenance.

Diameters range from 110 to 172 mm (4.3 to 6.8in)

FEATURES

- Industry Preferred Shanks
- QL/QLX 12-spline shanks. Make the switch to the most solid and wear-resistant in the market.
- Tubeless - No Foot Valves
- Bits for the BT hammers 100% without foot valves. Maximizes reliability by eliminating a plastic weakness. 5” and 6” bits provided with an optional foot valve to fit traditional tubed hammers.
- Premium Carbide Inserts
- Fine-tuned hardness and toughness to increase carbide life. Supports multiple re-sharpenings to amplify bit life. Choose between ballistic and hemispherical inserts.

PENETRATION RATE/CARBIDE LIFE



ROCK HARDNESS/ABRASIVENESS



INSERT GEOMETRY



FACE GEOMETRY

CONVEX
Soft to medium hard rock
High penetration rate

CONCAVE
Broken ground conditions
Straight hole applications

FLAT
Medium to hard rock; abrasive ground; General purpose bit

Part #	Description
920623	BIT DTH 110 QLX4T BF8H14/4H12/2H12 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Flat	Spherical
Diameter	Weight
110 mm (4-3/8 in)	8.24 kg (16.9 lb)



Gauge Button/Diameter	Flat face provides easy resharpening.
8/14	

Part #	Description
920600	BIT DTH 115 QLX4T BF8H14/7H14 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Flat	Spherical
Diameter	Weight
115 mm (4-1/2 in)	9.3 kg (19.07 lb)



Gauge Button/Diameter	Flat face provides easy resharpening.
8/14	

Part #	Description
920620	BIT DTH 115 QLX4T BC8H14/4H13/3H13 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Concave	Spherical
Diameter	Weight
115 mm (4-1/2 in)	9 kg (18.45 lb)



Gauge Button/Diameter	Recessed face provides increased hole straightness
8/14	

Part #	Description
920602	BIT DTH 115 QLX4T BD8B14/4B13/3B13 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
115 mm (4-1/2 in)	9.12 kg (18.7 lb)



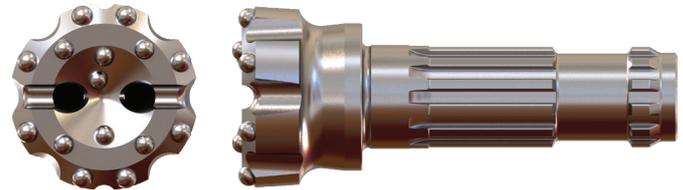
Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
8/14	

Part #	Description
920611	BIT DTH 121 QLX4T BF8H14/4H14/3H14 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Flat	Spherical
Diameter	Weight
121 mm (4-3/4 in)	9.58 kg (19.64 lb)



Gauge Button/Diameter	Flat face provides easy resharpening.
8/14	

Part #	Description
920603	BIT DTH 121 QLX4T BC8H14/4H13/3H13 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Concave	Spherical
Diameter	Weight
121 mm (4-3/4 in)	9.35 kg (19.17 lb)



Gauge Button/Diameter	Recessed face provides increased hole straightness
8/14	

Part #	Description
920612	BIT DTH 121 QLX4T BD8B14/4B13/3B13 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
121 mm (4-3/4 in)	9.42 kg (19.32 lb)



Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
8/14	

Part #	Description
920606	BIT DTH 127 QLX4T BC8H14/4H13/3H13 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Concave	Spherical
Diameter	Weight
127 mm (5 in)	9.69 kg (19.87 lb)



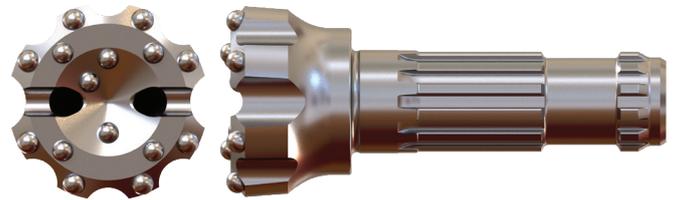
Gauge Button/Diameter	Recessed face provides increased hole straightness
8/14	

Part #	Description
920621	BIT DTH 127 QLX4T BD8B14/4B13/3B13 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
127 mm (5 in)	9.42 kg (19.32 lb)



Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
8/14	

Part #	Description
920609	BIT DTH 130 QLX4T BC8H15/4H14/3H14 2F0G
Shank Type	Flushing
QLX4T/TD40	2
Face Type	Button Type
Concave	Spherical
Diameter	Weight
130 mm (5-1/8 in)	10.16 kg (20.83 lb)



Gauge Button/Diameter	Recessed face provides increased hole straightness
8/15	

Part #	Description
920608	BIT DTH 133 QL5T BF8H16/7H14 2F0G
Shank Type	Flushing
QL5T	2
Face Type	Button Type
Flat	Spherical
Diameter	Weight
133 mm (5-1/4 in)	14.46 kg (29.65 lb)



Gauge Button/Diameter	Flat face provides easy resharpening.
8/16	

Part #	Description
920622	BIT DTH 133 QL5T BD8B14/4B14/3B14 2F0G
Shank Type	Flushing
QL5T	2
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
133 mm (5-1/4 in)	15.66 kg (32.11 lb)



Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
8/14	

Part #	Description
920615	BIT DTH 140 QL5T BC8H16/4H14/4H14 2F0G
Shank Type	Flushing
QL5T	2
Face Type	Button Type
Concave	Spherical
Diameter	Weight
140 mm (5-1/2 in)	15.99 kg (32.78 lb)



Gauge Button/Diameter	Recessed face provides increased hole straightness
8/16	

Part #	Description
920616	BIT DTH 140 QL5T BD9B14/6B14/4B14 3F0G
Shank Type	Flushing
QL5T	3
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
140 mm (5-1/2 in)	15.92 kg (32.64 lb)



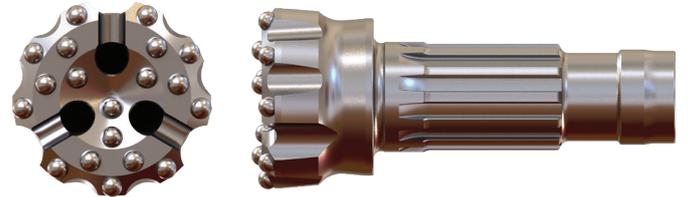
Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
9/14	

Part #	Description
920614	BIT DTH 146 QL5T BF9H19/6H16/4H14 3F0G
Shank Type	Flushing
QL5T	3
Face Type	Button Type
Flat	Spherical
Diameter	Weight
146 mm (5-3/4 in)	16.88 kg (34.61 lb)



Gauge Button/Diameter	Flat face provides easy resharpening.
9/19	

Part #	Description
920610	BIT DTH 146 QL5T BC9H16/6H16/4H16 3F0G
Shank Type	Flushing
QL5T	3
Face Type	Button Type
Concave	Spherical
Diameter	Weight
146 mm (5-3/4 in)	16.57 kg (33.97 lb)



Gauge Button/Diameter	Recessed face provides increased hole straightness
9/16	

Part #	Description
920613	BIT DTH 146 QL5T BD9B18/3B16/4B16 3F0G
Shank Type	Flushing
QL5T	3
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
146 mm (5-3/4 in)	16.33 kg (33.48 lb)



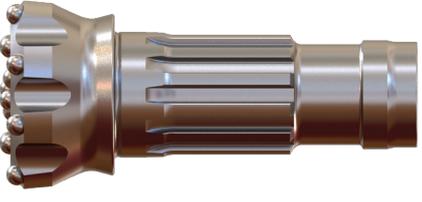
Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
9/18	

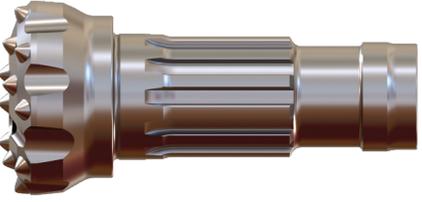
Part #	Description
920607	BIT DTH 152 QL5T BF8H18/8H18 2F0G
Shank Type	Flushing
QL5T	2
Face Type	Button Type
Flat	Spherical
Diameter	Weight
152 mm (6 in)	16.97 kg (34.79 lb)

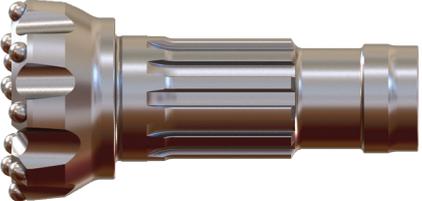


Gauge Button/Diameter	Flat face provides easy resharpening.
8/18	

Part #	Description			
920618	BIT DTH 165 QL6T BF9H18/3H18/4H18 3F0G			
Shank Type		Flushing		
QL6T		3		
Face Type		Button Type		
Flat		Spherical		
Diameter		Weight	Gauge Button/Diameter	Flat face provides easy resharpening.
165mm (6-1/2in)		22.74 kg (46.62 lb)	9/18	

Part #	Description			
920604	BIT DTH 165 QL6T BC8H18/6H18/3H18 2F0G			
Shank Type		Flushing		
QL6T		2		
Face Type		Button Type		
Concave		Spherical		
Diameter		Weight	Gauge Button/Diameter	Recessed face provides increased hole straightness
165mm (6-1/2in)		21.99 kg (45.08 lb)	8/18	

Part #	Description			
920617	BIT DTH 165 QL6T BD9B18/6B18/4B18 3F0G			
Shank Type		Flushing		
QL6T		3		
Face Type		Button Type		
Convex		Ballistic		
Diameter		Weight	Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
165mm (6-1/2in)		23.53 kg (48.24 lb)	9/18	

Part #	Description			
920619	BIT DTH 172 QL6T BC9H18/3H18/5H18 3F0G			
Shank Type		Flushing		
QL6T		3		
Face Type		Button Type		
Concave		Spherical		
Diameter		Weight	Gauge Button/Diameter	Recessed face provides increased hole straightness
172mm (6-3/4in)		23.4 kg (47.97 lb)	9/18	

Part #	Description
920605	BIT DTH 172 QL6T BD9B18/3B18/6B18 3F0G
Shank Type	Flushing
QL6T	3
Face Type	Button Type
Convex	Ballistic
Diameter	Weight
172mm (6-3/4in)	23.53 kg (48.24 lb)

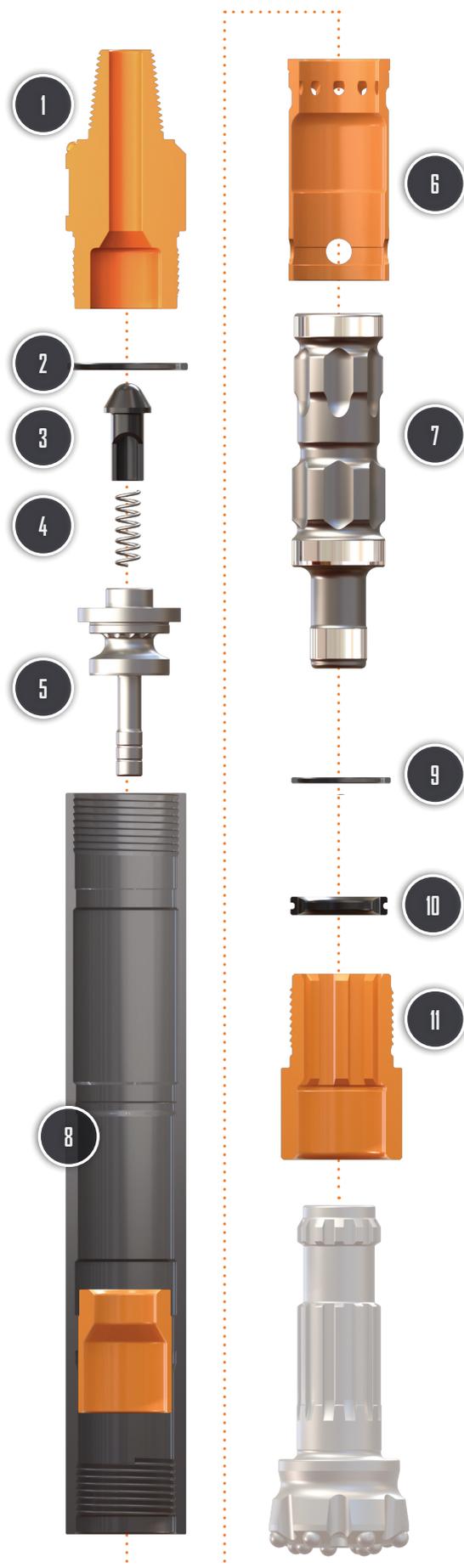


Gauge Button/Diameter	Convex face with ballistic buttons for increased penetration rate
9/18	

BT-4 SPARE PARTS		
#	Part No.	Description
1	155076	Cubex 24 Top Sub BT-4
1	155033	API 2 3/8 Top Sub BT-4
2	155007	Top Sub O-Ring BT-4
3	155008	Check Valve BT-4
4	155009	Check Valve Spring BT-4
5	155010	Air Distributor BT-4
6	155011	Inner Cylinder BT-4
7	155012	Piston BT-4
8	155013	API Casing with Sleeve BT-4
8	155077	Cubex Casing with Sleeve BT-4
9	155015	Bit Retainer O-Ring BT-4
10	155016	Retainer Ring BT-4
11	155017	Chuck BT-4

BT-5 SPARE PARTS		
#	Part No.	Description
1	155043	Cubex 24 Top Sub BT-5
1	155044	API 2 3/8 Top Sub BT-5
1	155045	API 3 1/2 Top Sub BT-5
2	155046	Top Sub O-Ring BT-5
3	155047	Check Valve BT-5
4	155048	Check Valve Spring BT-5
5	155049	Air Distributor BT-5
6	155050	Inner Cylinder BT-5
7	155051	Piston BT-5
8	155052	Casing with Sleeve BT-5
9	155054	Bit Retainer O-Ring BT-5
10	155055	Retainer Ring BT-5
11	155056	Chuck BT-5

BT-6 SPARE PARTS		
#	Part No.	Description
1	155019	Cubex 24 Top Sub BT-6
1	155020	API 2 3/8 Top Sub BT-6
1	155021	API 3 1/2 Top Sub BT-6
2	155022	Top Sub O-Ring BT-6
3	155023	Check Valve BT-6
4	155024	Check Valve Spring BT-6
5	155025	Air Distributor BT-6
6	155026	Inner Cylinder BT-6
7	155027	Piston BT-6
8	155028	Casing with Sleeve BT-6
9	155030	Bit Retainer O-Ring BT-6
10	155031	Retainer Ring BT-6
11	155032	Chuck BT-6





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