



Litian Button Bit Catalogue



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Remarks: Other drill rod specifications are available according to customer requirements.

Button Bits

Product Specification

Product	Top Hammer Rock Drilling Tool - Button Bit
Application	Tunnelling, Mining, Quarrying, Blasting and Infrastructure Construction Facedrilling and Bolting, Bench Drilling, Production drilling, Long hole drilling, Drifting
Material	Structural Alloy Steel, Tugestun Carbide
Thread	R25, R28, R32, R35, R38, T38, T45, T51, GT60, ST58, ST68...
Bit Type	Standard button bit, Retrac button bit, Reaming Bit
Skirt Design	Standard skirt, Retrac skirt, Straightrac type, Heavy duty skirt
Face Design	Flat face, Drop center face, Convex face, Uni-face, Reaming type, Cross type, X type
Button Shape	Spherical buttons, Ballistic buttons, Conical buttons, Composite buttons

Button Bits

Product Specification



Button Bit Type:
Standard button bit
Retrac button bit
Pilot Reaming bit
Dome Reaming bit
Cross bit



Thread:
R25, R28, R32, R35, R38,
T38, T45, T51, GT60, ST58,
ST68...

Skin Design: Standard type
Retrac type
Straightrac type









Button Shape:
Spherical buttons
Ballistic buttons
Conical buttons
Composite buttons



Button Bits

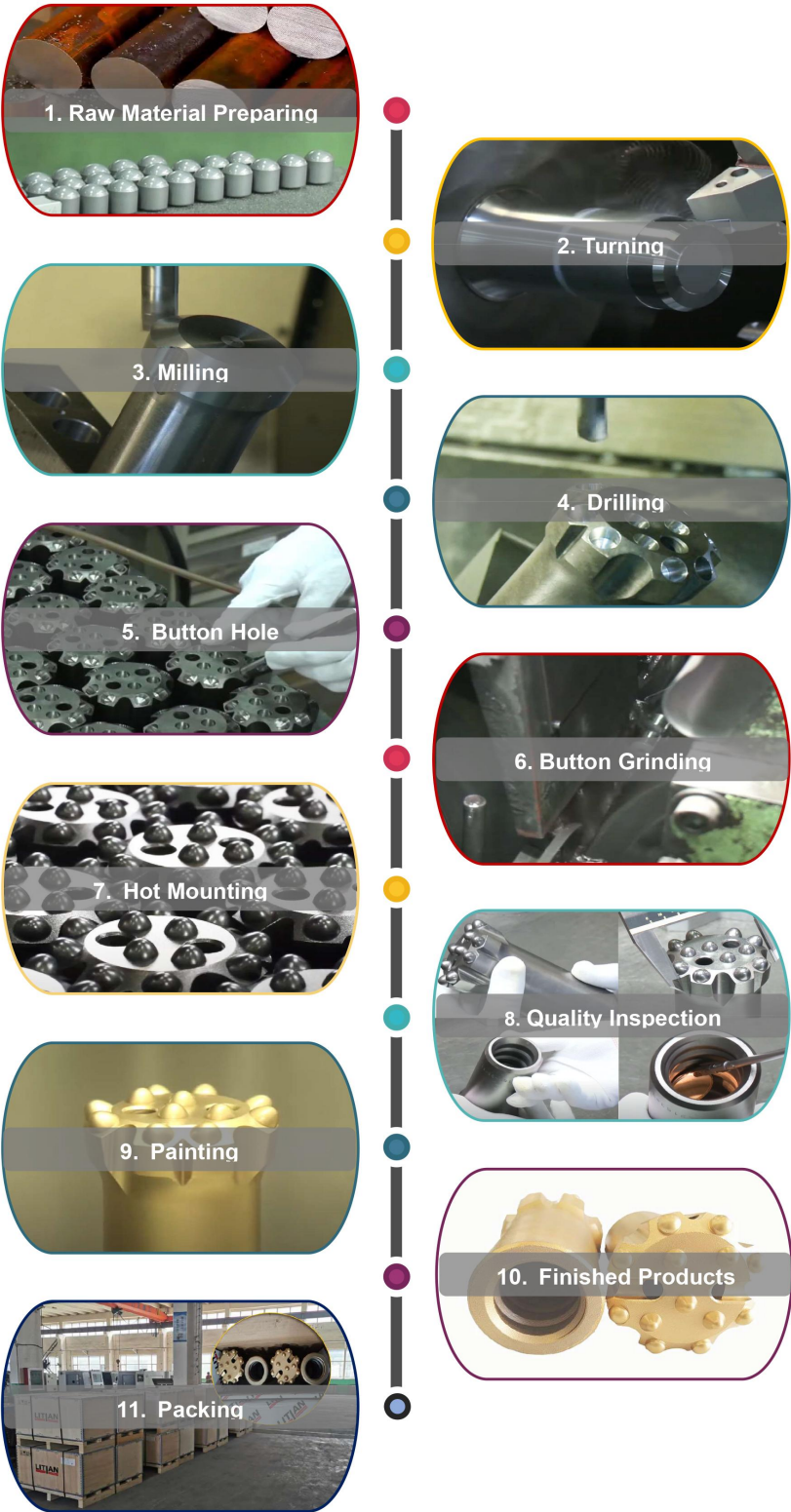
Selection

Face Design	Application
 <p>Flat Face</p>	Flat face button drill bits are suitable for all rock conditions, especially for the rock with higher hardness and higher abrasiveness. Such as granite and basalt.
 <p>Drop Center</p>	Drop center button drill bits are mainly suitable for the rock with low hardness, low abrasiveness, and good integrity. The bits can drill straighter holes.
 <p>Convex</p>	Convex Face button bits are designed for fast penetration rates in softer rock.





Button shapes	Application			
	Rock Hardness	Penetration Velocity	Carbide Service Life	Vibration
 <p>Spherical Buttons</p>	Hard ■■■	Slower ■□□	longer service life less prone to breaking ■■■	More ■■■
 <p>Ballistic Buttons</p>	medium Soft ■■□	Faster ■■□	shorter service life more prone to breaking ■■□	Less ■□□
 <p>Conical Buttons</p>	Soft ■□□	Faster ■■■	shorter service life more prone to breaking ■□□	Less ■□□

Button Bits




Production Processes






Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R22								
 Button bits	32	1 1/4"	3 × 8	1 × 8	1	1	0.3	R22-324ZCP
	33	1 9/64"	5 × 8	2 × 7	2	1	0.3	R22-337ZCP
	35	1 3/8"	5 × 8	2 × 7	2	1	0.4	R22-357ZCP
R25								
 Button bits	38	1 1/2"	5 × 9	2 × 7	2	1	0.6	R25-387ZCP
	41	1 5/8"	5 × 9	2 × 8	2	1	0.5	R25-417ZCP
	42	1 39/64"	5 × 9	2 × 8	2	1	0.5	R25-427ZCP
	43	1 11/16"	5 × 9	2 × 8	2	1	0.6	R25-437ZCP
	45	1 3/4"	5 × 9	2 × 9	2	1	0.6	R25-457ZCP
	48	1 7/8"	5 × 10	2 × 9	2	1	0.6	R25-487ZCP
	51	2"	5 × 10	2 × 10	2	1	0.7	R25-517ZCP
	57	2 1/4"	5 × 11	2 × 10	2	1	1	R25-577ZCP
 Button bits	45	1 3/4"	6 × 9	3 × 8	1	3	1	R25-459ZCP
	51	2"	6 × 10	3 × 9	1	3	1.35	R25-519ZCP
	57	2 1/4"	6 × 10	3 × 10	-	3	1.6	R25-579ZCP
 Button bits	38	1 1/2"	4 × 9	2 × 8	1	1	0.5	R25-386ZCP
	41	1 5/8"	4 × 9	2 × 9	1	1	0.5	R25-416ZCP
	43	1 11/16"	4 × 9	2 × 9	1	1	0.6	R25-436ZCP





Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R25								
 Retrac button bits	41	1 5/8"	5 × 9	2 × 8	2	1	0.78	R25-417YFP
	45	1 3/4"	6 × 9	3 × 8	1	3	1	R25-459YFP
	48	1 7/8"	6 × 10	3 × 9	1	3	1.1	R25-489YFP
	51	2"	6 × 10	3 × 9	-	3	1.35	R25-519YFP
	55	2 11/64"	6 × 11	3 × 9	1	3	1.54	R25-559YFP
	57	2 1/4"	6 × 10	3 × 10	-	3	1.6	R25-579YFP
	64	2 1/2"	8 × 11	4 × 10	1	2	2.2	R25-6412YFP
R28								
 Button bits	44	1 47/64"	4 × 10	2 × 9	1	1	0.6	R28-446ZCP
	45	1 3/4"	4 × 10	2 × 9	1	1	0.7	R28-456ZCP
	48	1 7/8"	4 × 11	2 × 9	1	1	0.7	R28-486ZCP
 Retrac button bits	45	1 3/4"	6 × 9	3 × 8	1	3	1	R28-459YFP
	51	2"	6 × 10	3 × 9	1	3	1.35	R28-519YFP






Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R32*12								
 Button bits	50	1 31/32"	3 × 12	2 × 10	1	1	0.76	R32-505ZCP
	55	2 3/32"	3 × 14	1 × 12	1	1	0.88	R32-554ZCP
	60	2 23/64"	3 × 14	2 × 12	1	1	1	R32-605ZCP
	65	2 9/16"	3 × 14	3 × 12	1	1	1.18	R32-656ZCP
	70	2 3/4"	5 × 13	3 × 12	1	1	1.56	R32-708ZCP
 Button bits	55	2 11/64"	4 × 10	2 × 10 1 × 10	1	1	0.8	R32-556ZCT
	60	2 23/64"	4 × 12	2 × 10 1 × 10	2	1	0.9	R32-606ZCT
	60	2 23/64"	6 × 11	2 × 10 1 × 10	1	1	1	R32-608ZCT
	65	2 9/16"	5 × 14	3 × 13	1	1	1.1	R32-658ZCT
	65	2 9/16"	4 × 12	2 × 12 1 × 12	1	1	1.1	R32-656ZCT
 Button bits	58	2 9/32"	6 × 10	3 × 10	1	1	1	R32-589ZCP
	60	2 23/64"	6 × 11	3 × 10	1	1	1	R32-609ZCP
	65	2 9/16"	6 × 12	3 × 12	1	1	1.22	R32-659ZCP
	70	2 3/4"	6 × 12	3 × 12	1	1	1.56	R32-709ZCP
	76	3"	6 × 12	5 × 10	1	1	1.7	R32-7611ZCP





Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R32								
 Button bits	43	1 11/16"	4 × 10	2 × 9	1	1	0.55	R32-436ZCP
	45	1 3/4"	4 × 11	2 × 9	2	1	0.6	R32-456ZCP
 Button bits	45	1 3/4"	5 × 10	2 × 9	2	1	0.7	R32-457ZCP
	48	1 7/8"	5 × 10	2 × 9	2	1	0.9	R32-487ZCP
	48	1 7/8"	5 × 11	2 × 8	2	1	0.7	R32-487ZCP
	51	2"	5 × 11	2 × 9	2	1	1.1	R32-517ZCP
	57	2 1/4"	5 × 12	3 × 10	1	1	1.3	R32-578ZCP
	60	2 23/64"	5 × 12	3 × 10	1	1	1.4	R32-608ZCP
 Button bits	43	1 11/16"	6 × 9	2 × 8	1	2	0.6	R32-438ZCP
	45	1 3/4"	6 × 9	2 × 9	-	2	0.7	R32-458ZCP
	48	1 7/8"	6 × 10	2 × 9	-	2	0.7	R32-488ZCP
 Button bits	45	1 3/4"	6 × 9	3 × 8	1	3	0.8	R32-459ZCP
	45	1 3/4"	6 × 10	3 × 8	1	3	0.8	R32-459ZCP
	48	1 7/8"	6 × 10	3 × 8	1	3	0.9	R32-489ZCP
	51	2"	6 × 10	3 × 9	1	3	1.1	R32-519ZCP
	51	2"	6 × 10	2 × 10	2	2	1.1	R32-518ZCP
	57	2 1/4"	6 × 11	3 × 10	1	3	1.3	R32-579ZCP
	64	2 1/2"	6 × 12	3 × 11	2	1	1.6	R32-649ZCP
	64	2 1/2"	6 × 12	4 × 10	1	2	1.6	R32-6410ZCP

Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R32								
 Button bits	64	2 1/2"	8 × 10	4 × 10	2	2	1.6	R32-6412ZCP
	76	3"	8 × 11	4 × 11	2	2	2.8	R32-7612ZCP
	89	3 1/2"	8 × 12	4 × 12	-	2	2.9	R32-8912ZCP
	89	3 1/2"	6 × 14	4 × 12	1	3	2.9	R32-8910ZCP
 Retrac button bits	45	1 3/4"	6 × 9	3 × 8	1	3	0.9	R32-459YFP
	48	1 7/8"	6 × 10	3 × 9	1	3	1.1	R32-489YFP
	51	2"	6 × 10	3 × 9	-	3	1.2	R32-519YFP
	57	2 1/4"	6 × 10	3 × 10	-	3	1.7	R32-579YFP
	64	2 1/2"	6 × 11	3 × 10	1	2	2.2	R32-649YFP
 Retrac button bits	60	2 23/64"	8 × 10	4 × 9	1	2	1.7	R32-6012YFP
	64	2 1/2"	8 × 10	4 × 10	2	2	1.9	R32-6412YFP
	76	3"	8 × 12	4 × 11	2	2	2.2	R32-7612YFP
 Retrac button bits	76	3"	8 × 11	4 × 11 1 × 11	-	4	3.3	R32-7613YFA
 Dome reaming bits	76	3"	9 × 13	1 × 12	-	2	2	R32-7610KKP
	102	4"	8 × 13	7 × 13	2	2	3.7	R32-10215KKP
	102	4"	8 × 13	9 × 13	2	2	3.8	R32-10217KKP





Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R32								
 Pilot reaming bits	76	3"	12 × 12	4 × 10	-	2	2.5	R32-7616DXP
	89	3 1/2"	12 × 12	4 × 10	-	2	3.4	R32-8916DXP
	102	4"	12 × 13	3 × 10	-	2	3.4	R32-10215DXP
	102	4"	14 × 12	3 × 10	-	2	3.8	R32-10217DXP
	102	4"	8 × 14	7 × 12	-		4.8	R32-10215DXP
SR35								
 Dome reaming bits	89	3 1/2"	8 × 13	7 × 13	1	2	3	SR35-8915KKP
	102	4"	8 × 13	7 × 13	2	2	3.7	SR35-10215KKP
R38								
 Button bits	64	2 1/2"	6 × 12	3 × 11	-	3	1.6	R38-649ZCP
	64	2 1/2"	6 × 12	4 × 10	1	2	1.6	R38-6410ZCP
	64	2 1/2"	8 × 11	4 × 10	1	2	1.6	R38-6412ZCP
	76	3"	6 × 12	4 × 11	-	2	2.8	R38-7610ZCP
 Button bits	64	2 1/2"	8 × 10	4 × 10	-	2	1.7	R38-6412ZCP
	76	3"	8 × 12	4 × 12	1	2	1.9	R38-7612ZCP
 Button bits	89	3 1/2"	7 × 13	5 × 12	1	3	3.3	R38-8912ZCP
	76	3"	6 × 13	3 × 11 1 × 10	1	3	1.9	R38-7610ZCA
	89	3 1/2"	6 × 13	3 × 11 2 × 11	1	3	3.3	R38-8911ZCA





Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
R38								
 Button bits	76	3"	8 × 11	4 × 11 1 × 11	-	4	2.9	R38-7612ZCA
	64	2 1/2"	8 × 10	4 × 10	2	2	1.9	R38-6412YFP
 Retrac button bits	76	3"	8 × 12	4 × 11	2	2	2.2	R38-7612YFP
	64	2 1/2"	6 × 11	3 × 10	1	2	1.9	R38-649YFP
	64	2 1/2"	6 × 11	3 × 10 1 × 9	1	2	1.9	R38-6410YFA
	66	2 19/32"	6 × 11	3 × 10 1 × 9	1	2	1.9	R38-6610YFA
	64	2 1/2"	8 × 10	4 × 10 1 × 9	1	4	1.9	R38-6413YFA
 Retrac button bits	70	2 3/4"	8 × 10	4 × 10 1 × 9	1	4	2.4	R38-7013YFA
	76	3"	8 × 11	4 × 11 1 × 11	-	4	3.3	R38-7613YFA
	89	3 1/2"	8 × 12	4 × 12 2 × 10	1	4	5.3	R38-8914YFA
	89	3 1/2"	8 × 12	4 × 11 1 × 11	1	4	5.3	R38-8913YFA



Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T38								
 Button bits	60	2 23/64"	5 × 12	3 × 10	1	1	1.6	T38-608ZCP
	64	2 1/2"	6 × 12	3 × 10	3	0	1.6	T38-649ZCP
	76	3"	6 × 12	3 × 12	2	1	2.4	T38-769ZCP
  Button bits	64	2 1/2"	8 × 10	4 × 10	-	2	1.6	T38-6412ZCP
	76	3"	8 × 12	4 × 11	1	2	2.6	T38-7612ZCP
	89	3 1/2"	7 × 13	5 × 12	1	3	3.3	T38-8912ZCP
	89	3 1/2"	8 × 13	5 × 12	2	2	3.3	T38-8913ZCP
	89	3 1/2"	8 × 13	6 × 12	2	2	3.3	T38-8914ZCP
	89	3 1/2"	9 × 12	6 × 12	1	3	3.3	T38-8915ZCP
	102	4"	8 × 14	7 × 12	1	2	4.7	T38-10215ZCP
 Button bits	64	2 1/2"	6 × 11	3 × 10 1 × 10	1	3	1.7	T38-6410ZCA
	70	2 3/4"	6 × 12	3 × 10 1 × 10	1	3	2.2	T38-7010ZCA
	76	3"	6 × 13	3 × 11 1 × 10	1	3	2.3	T38-7610ZCA
	89	3 1/2"	6 × 13	3 × 11 2 × 11	1	3	3.3	T38-8911ZCA



Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T38								
 Button bits	64	2 1/2"	8 × 10	4 × 10 1 × 9	1	4	1.7	T38-6413ZCA
	76	3"	8 × 11	4 × 11 1 × 11	-	4	2.7	T38-7613ZCA
	89	3 1/2"	8 × 12	4 × 11 1 × 11	1	4	3.3	T38-8913ZCA
	89	3 1/2"	8 × 12	4 × 12 2 × 10	-	4	3.3	T38-8914ZCA
	102	4"	8 × 12	4 × 12 4 × 11	-	4	4.7	T38-10216ZCA
	102	4"	8 × 13	4 × 12 3 × 12	-	4	4.7	T38-10215ZCA
 Retrac button bits	64	2 1/2"	8 × 10	4 × 10	2	2	1.9	T38-6412YFP
	76	3"	8 × 12	4 × 11	2	2	2.2	T38-7612YFP
	64	2 1/2"	6 × 11	3 × 10	1	2	1.9	T38-649YFP
	64	2 1/2"	6 × 11	3 × 10 1 × 9	1	2	1.9	T38-6410YFA
	66	2 19/32"	6 × 11	3 × 10 1 × 9	1	2	1.9	T38-6610YFA
 Retrac button bits	64	2 1/2"	8 × 10	4 × 10 1 × 9	1	4	1.9	T38-6413YFA
	70	2 3/4"	8 × 10	4 × 10 1 × 9	1	4	2.4	T38-7013YFA
 Retrac button bits	65	2 9/16"	6 × 12	4 × 10	1	2	3.1	T38-6510YLP






Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T38								
 <p>Dome reaming bits</p>	102	4"	8 × 13	9 × 13	2	2	3.8	T38-10217KKP
	125	4 59/64"	9 × 13	10 × 13	2	2	7.5	T38-12519KKP
	127	5"	9 × 13	10 × 13	2	2	8	T38-12719KKP
	152	6"	9 × 16	11 × 16	2	2	12.3	T38-15220KKP
 <p>Pilot reaming bits</p>	89	3 1/2"	12 × 12	4 × 10	-	2	3.4	T38-8916DXP
	102	4"	8 × 14	7 × 11	-		4.3	T38-10215DXP
	115	4 1/2"	8 × 14	7 × 12	-		5.8	T38-11515DXP
	127	5"	8 × 14	7 × 12	-		7.7	T38-12715DXP
	127	5"	8 × 14	7 × 12	-		6.5	T38-12715DXP
	127	5"	10 × 14	7 × 12	-		6.6	T38-12717DXP
	152	6"	8 × 16	7 × 14	-		13.3	T38-15215DXP
	178	7"	16 × 16	3 × 14	-		19.7	T38-17819DXP



Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T45								
 <p>Button bits</p>	76	3"	8 × 12	4 × 11	2	2	2.6	T45-7612ZCP
	76	3"	8 × 12	4 × 12	1	2	2.4	T45-7612ZCP
	89	3 1/2"	7 × 13	5 × 12	1	3	3.5	T45-8912ZCP
	89	3 1/2"	8 × 13	5 × 12	2	2	3.7	T45-8913ZCP
	89	3 1/2"	8 × 13	6 × 13	-	2	3.7	T45-8914ZCP
	102	4"	8 × 14	7 × 12	2	2	5	T45-10215ZCP
	102	4"	9 × 12	6 × 12	-	2	5	T45-10215ZCP
	115	4 1/2"	9 × 14	7 × 13	1	3	6.8	T45-11516ZCP
	115	4 1/2"	8 × 16	7 × 13	2	2	6.8	T45-11515ZCP
 <p>Button bits</p>	76	3"	6 × 13	3 × 11 1 × 10	1	3	2.4	T45-7610ZCA
	76	3"	8 × 12	4 × 11 1 × 11	-	4	2.6	T45-7613ZCA
	89	3 1/2"	8 × 12	4 × 12 1 × 11	-	4	3.6	T45-8913ZCA
	89	3 1/2"	8 × 14	4 × 14 2 × 10	-	4	3.7	T45-8914ZCA
	102	4"	8 × 12	4 × 12 4 × 11	-	4	4.7	T45-10216ZCA
	102	4"	8 × 13	4 × 12 3 × 12	-	4	4.7	T45-10215ZCA


Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T45								
 Retrac button bits	76	3"	8 × 12	4 × 11	2	2	2.2	T45-7612YFP
	89	3 1/2"	8 × 13	5 × 12	2	2	5.2	T45-8913YFP
	102	4"	9 × 12	6 × 12	-	3	6.5	T45-10215YFP
	115	4 1/2"	9 × 14	7 × 13	-	3	10	T45-11516YFP
	115	4 1/2"	9 × 14	6 × 13	-	3	10	T45-11515YFP
 Retrac button bits	76	3"	8 × 11	4 × 11 1 × 11	-	4	3.2	T45-7613YFA
	89	3 1/2"	8 × 12	4 × 12 2 × 10	1	4	5.4	T45-8914YFA
	102	4"	8 × 12	4 × 12 3 × 12	-	4	7.8	T45-10215YFA
	102	4"	8 × 13	4 × 12 4 × 12	-	4	7.8	T45-10216YFA
	115	4 1/2"	8 × 14	4 × 13 3 × 12	-	4	7.8	T45-11515YFA
 Retrac button bits	76	3"	8 × 13	4 × 11 1 × 11	1	4	3.5	T45-7613YLA
	89	3 1/2"	8 × 12	4 × 12 1 × 12	1	4	4.7	T45-8913YLA
 Dome reaming bits	152	6"	9 × 16	11 × 16	2	2	12.3	T45-15220KKP
 Pilot reaming bits	102	4"	8 × 12	9 × 10	-		4.2	T45-10217DXP
	152	6"	8 × 16	10 × 14	-		12.8	T45-15218DXP
	152	6"	8 × 14	7 × 14	-		12.8	T45-15215DXP


Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T51								
 <p>Button bits</p>	89	3 1/2"	6 × 16	4 × 13	-	2	4.5	T51-8910ZCP
	102	4"	6 × 16	4 × 14	-	2	5.8	T51-10210ZCP
	89	3 1/2"	7 × 13	5 × 12	1	3	2.7	T51-8912ZCP
	89	3 1/2"	9 × 12	6 × 12	1	3	4.9	T51-8915ZCP
	89	3 1/2"	8 × 13	5 × 12	2	2	4.9	T51-8913ZCP
	89	3 1/2"	8 × 13	6 × 12	-	2	4.9	T51-8914ZCP
	102	4"	8 × 14	7 × 12	2	2	5.8	T51-10215ZCP
	102	4"	8 × 16	6 × 13	2	2	6	T51-10214ZCP
	115	4 1/2"	9 × 14	7 × 13	1	3	6.8	T51-11516ZCP
	115	4 1/2"	8 × 16	7 × 13	2	2	6.8	T51-11515ZCP
	127	5"	8 × 16	9 × 12	-	2	7.5	T51-12717ZCP
 <p>Button bits</p>	89	3 1/2"	9 × 11	6 × 10	-	2	4.6	T51-8915ZCP
	102	4"	9 × 12	7 × 12	-	3	5.9	T51-10216ZCP
	102	4"	9 × 12	6 × 12	-	3	5.8	T51-10215ZCP
	115	4 1/2"	9 × 14	7 × 13	1	3	6.6	T51-11516ZCP
	127	5"	9 × 14	7 × 13	-	3	7.5	T51-12716ZCP
	127	5"	9 × 14	8 × 14	-	3	8.4	T51-12717ZCP
	152	6"	9 × 16	11 × 14	-	3	11.1	T51-15220ZCP







Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T51								
 Button bits	89	3 1/2"	8 × 12	4 × 11 1 × 11	-	4	4.6	T51-8913ZCA
	89	3 1/2"	8 × 12	4 × 12 2 × 10	1	4	4.5	T51-8914ZCA
	102	4"	8 × 12	4 × 12 4 × 11	-	4	4.7	T51-10216ZCA
	115	4 1/2"	8 × 14	4 × 13 2 × 13	1	4	6.8	T51-11514ZCA
	127	5"	8 × 14	4 × 14 4 × 13	-	4	7.5	T51-12716ZCA
 Button bits	165	6 1/2"	9 × 16	9 × 14 4 × 14	-	3	14.4	T51-16522ZCA
	178	7"	9 × 16	9 × 16 4 × 14	-	3	15.1	T51-17822ZCA
 Button bits	89	3 1/2"	8 × 12	4 × 12	-	4	3.6	T51-8912ZCH
	102	4"	9 × 13	4 × 13	-	4	4.1	T51-10213ZCH
	115	4 1/2"	9 × 13	4 × 13	-	4	6.3	T51-11513ZCH
	127	5"	8 × 16	6 × 14	-	4	7.4	T51-12714ZCH
	152	6"	8 × 18	6 × 16	-	4	12	T51-15214ZCH
 Retrac button bits	89	3 1/2"	8 × 12	4 × 12 2 × 10	1	4	5.3	T51-8914YLA
	89	3 1/2"	8 × 12	4 × 11 1 × 11	1	4	5.3	T51-8913YFA






Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T51								
 Retrac button bits	89	3 1/2"	8 × 13	5 × 12	2	2	4.6	T51-8913YFP
	102	4"	8 × 14	7 × 12	1	2	7.1	T51-10215YFP
	102	4"	9 × 12	6 × 12	-	3	7.1	T51-10215YFP
	115	4 1/2"	9 × 14	7 × 13	-	3	10	T51-11516YFP
	115	4 1/2"	9 × 14	6 × 13	-	3	10	T51-11515YFP
	127	5"	9 × 14	7 × 13	-	3	13	T51-12716YFP
 Retrac button bits	89	3 1/2"	8 × 12	4 × 12 2 × 10	1	4	5.4	T51-8914YFA
	102	4"	8 × 12	4 × 12 3 × 12	-	4	7.8	T51-10215YFA
	102	4"	8 × 13	4 × 12 4 × 12	-	4	7.8	T51-10216YFA
	115	4 1/2"	8 × 14	4 × 13 3 × 12	-	4	7.8	T51-11515YFA
	115	4 1/2"	8 × 14	4 × 14 3 × 12	-	4	7.8	T51-11515YFA
	115	4 1/2"	8 × 14	4 × 14 4 × 12	-	4	10	T51-11516YFA
 Retrac button bits	89	3 1/2"	9 × 11	3 × 11 2 × 10	1	3	4.8	T51-8914YFA
	102	4"	9 × 12	3 × 12 3 × 11	1	3	6.9	T51-10215YFA
	110	4 21/64"	9 × 14	6 × 12 2 × 11	-	3	10	T51-11017YFA
	127	5"	8 × 16	4 × 14 4 × 14	-	4	13.5	T51-12716YFA







Threaded Button Bits

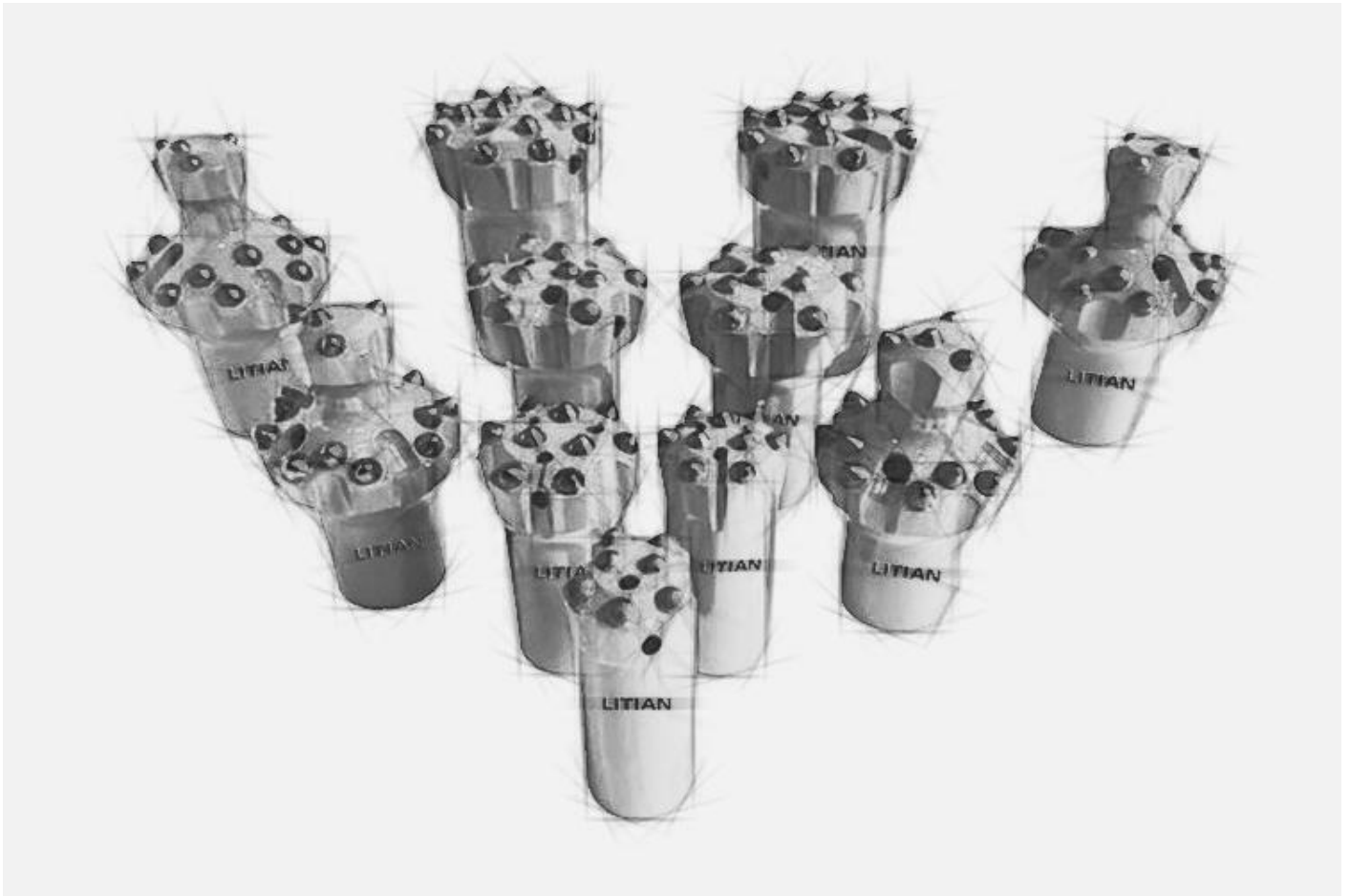
Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
T51								
 Retrac button bits	102	4"	8 × 14	4 × 13 1 × 13	-	2	10.1	T51-10213YLA
	115	4 1/2"	9 × 14	6 × 12 4 × 12	-	3	9.45	T51-11519YLA
 Dome reaming bits	152	6"	9 × 16	11 × 16	2	2	12.3	T51-15220KKP
 Pilot reaming bits	127	5"	12 × 14	7 × 12	-		5.9	T51-12719DXP
GT60								
 Button bits	92	3 5/8"	8 × 14	4 × 12 2 × 12	-	4	4.1	GT60-9214ZCA
	96	3 25/32"	8 × 14	4 × 12 2 × 12	-	4	6	GT60-9614ZCA
 Button bits	102	4"	9 × 13	9 × 11	-	2	7	GT60-10218ZCP
	115	4 1/2"	9 × 14	10 × 12	-	2	9.4	GT60-11519ZCP
	127	5"	9 × 16	10 × 14	-	2	9.6	GT60-12719ZCP
	140	5 1/2"	9 × 16	10 × 14	-	2	10.5	GT60-14019ZCP
	152	6"	9 × 16	12 × 14	-	3	15	GT60-15221ZCP
 Retrac button bits	92	3 5/8"	9 × 12	9 × 12	-	2	5.1	GT60-9218YFP
	96	3 25/32"	9 × 12	9 × 12	-	2	6.5	GT60-9618YFP
	102	4"	9 × 13	10 × 12	-	2	8.5	GT60-10219YFP

Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
GT60								
 Retrac button bits	115	4 1/2"	9 × 14	10 × 12	-	3	10.8	GT60-11519YFP
	127	5"	9 × 16	10 × 14	-	3	15	GT60-12719YFP
	140	5 1/2"	9 × 16	10 × 14	-	3	15	GT60-14019YFP
	152	6"	9 × 16	12 × 16	-	3	20	GT60-15221YFP
 Retrac button bits	115	4 1/2"	9 × 16	6 × 13	-	3	15	GT60-11515YFP
ST58								
 Button bits	89	3 1/2"	8 × 14	6 × 12	-	2	4.1	ST58-8914ZCP
	89	3 1/2"	8 × 12	4 × 12 2 × 10	-	4	8.9	ST58-8914ZCA
 Retrac button bits	89	3 1/2"	10 × 12	4 × 12 2 × 12	-	4	5	ST58-8916YFA
	115	4 1/2"	10 × 14	4 × 14 4 × 14	-	4	10	ST58-11518YFA
 Dome reaming bits	152	6"	9 × 16	11 × 16	2	2	12.3	ST58-15220KKP

Threaded Button Bits

Thread	Diameter		Buttons × button diameter (mm)		Flushing Hole Qty		Net Weight (kg)	Model No.
	mm	inch	Gauge	Front	Side	Front		
ST58								
 Pilot reaming bits	189	7 7/16"	15 × 16	3 × 14	-		20.2	ST58-18918DXP
ST68								
 Button bits	102	4"	8 × 16	5 × 14	-	2	9.4	ST68-10213ZCP
	102	4"	10 × 12	4 × 12 4 × 12	-	4	9.5	ST68-10218ZCA
	115	4 1/2"	10 × 14	4 × 14 4 × 14	-	4	10.8	ST68-11518ZCA
 Button bits	152	6"	9 × 16	8 × 16	-	3	16	ST68-15217ZCP
 Retrac button bits	102	4"	10 × 12	4 × 12 4 × 12	-	4	9.3	ST68-10218YFA
	115	4 1/2"	10 × 14	4 × 14 4 × 14	-	4	10	ST68-11518YFA
 Dome reaming bits	152	6"	9 × 16	11 × 16	2	2	12.3	ST68-15220KKP
 Pilot reaming bits	152	6"	9 × 16	3 × 16	-		14.2	ST68-15212DXP
	254	10"	8 × 16	7 × 14	-		51.4	ST68-25415DXP



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