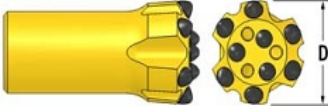




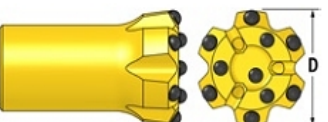
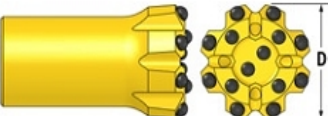
T38 (1 1/2") SERIES BENCH & LONG HOLE DRILLING EQUIPMENT

Description	Gauge diameter		Angle	Button No. size		Flushing hole			Weight	Part No.
	mm	in		Gauge	Face	Side	Face	kg		

Button Bits, Flat Face

	54	2 1/8"	40	6×10	3×9	1	3	1.2	1431-54T38-39/610-45-31
	64	2 1/2"	35	8×10	4×10	-	2	1.6	1431-64T38-410/810-45-31
	70	2 3/4"	40	8×11	4×10	-	2	1.9	1431-70T38-410/811-45-31
	76	3"	40	8×11	4×11	-	2	2.3	1431-76T38-411/811-45-31
	76	3"	40	8×12	4×11	-	2	2.3	1431-76T38-411/812-45-31
	89	3 1/2"		8×12	6×11	-	2	3.4	1431-89T38-611/812-45-31



Button Bits, Drop Center

	54	2 1/8"	35	6×9	1×7, 3×8	-	3	1.3	1433-54T38-17/38/69-45-51
	64	2 1/2"	35	6×11	4×10	-	3	1.6	1433-64T38-410/611-45-31
	70	2 3/4"	35	6×12	4×10	-	3	1.8	1433-70T38-410/612-45-31
	76	3"	35	6×12	4×10	-	3	2.1	1433-76T38-410/612-45-31
	76	3"	35	6×13	4×11	-	3	2.1	1433-76T38-411/613-45-31
	89	3 1/2"	35	6×13	5×12	-	3	3.3	1433-89T38-513/613-45-31
	89	3 1/2"	35	8×12	6×11	-	4	3.4	1433-89T38-611/812-45-31




T38 (1 1/2") SERIES BENCH & LONG HOLE DRILLING EQUIPMENT

Description	Gauge diameter		Angle	Button No. size		Flushing hole		Weight	Part No.
	mm	in	°	Gauge	Face	Side	Face	kg	


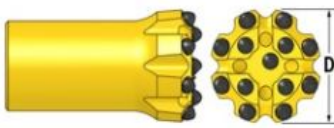
Button Bits, Retrac & Flat Face

	54	2 1/8"	35	6×10	3×9	-	3	1.2	1531-54T38-39/610-45-51
	64	2 1/2"	35	6×12	3×11	-	3	2.2	1531-64T38-311/612-45-31
	64	2 1/2"	35	8×10	4×10	-	2	2.2	1531-64T38-410/810-45-31
	70	2 3/4"	35	8×11	4×11	-	2	2.6	1531-70T38-411/811-45-31
	76	3"	35	8×11	4×11	-	2	3.1	1531-76T38-411/811-45-31
	76	3"	35	8×12	4×11	-	2	3.1	1531-76T38-411/812-45-31
	89	3 1/2"	35	8×12	6×11	-	2	4.4	1531-89T38-611/812-45-31
	102	4"	35	8×14	6×13	-	2	6.6	1531-102T38-613/814-45-41

Button Bits, Retrac & Drop Center

	54	2 1/8"	35	6×9	1×7, 3×8	-	3	1.3	1533-54T38-17/38/69-45-51
	64	2 1/2"	35	6×11	4×10	-	3	2.0	1533-64T38-410/611-45-31
	70	2 3/4"	35	6×11	4×11	-	3	2.5	1533-70T38-411/611-45-31
	76	3"	35	6×13	4×11	-	3	2.9	1533-76T38-411/613-45-31
	76	3"	35	8×11	5×11	-	4	3.0	1533-76T38-511/811-45-31
	89	3 1/2"	35	8×12	6×12	-	4	4.4	1533-89T38-612/812-45-51
	102	4"	35	8×14	6×14	-	4	6.5	1533-102T38-612/813-45-51

Button Bits, New Drop Center

	64	2 1/2"	30	6×12	3×11	-	3	1.8	1432-64T38-311/612-45-31
	70	2 3/4"	30	8×11	5×10	-	4	2.0	1432-70T38-510/811-45-31
	76	3"	40	8×11	5×11	-	4	2.5	1432-76T38-511/811-45-31
	76	3"	35	8×12	5×11	-	4	2.5	1432-76T38-511/812-45-31
	89	3 1/2"	35	8×13	5×13	-	4	3.5	1432-89T38-513/813-45-41

T38 (1 1/2") SERIES BENCH & LONG HOLE DRILLING EQUIPMENT

Description	Gauge diameter		Angle	Button No. size		Flushing hole			Weight	Part No.
	mm	in		Gauge	Face	Side	Face	kg		

Button Bits, Retrac & New Drop Center

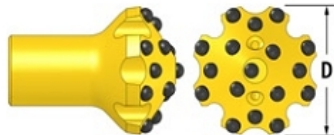


64	2 1/2"	30	6×12	3×11	-	3	2.4	1632-64T38-311/612-45-31
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64	2 1/2"	35	8×10	5×9	-	4	2.4	1632-64T38-59/810-45-31
70	2 3/4"	30	8×11	5×10	-	4	2.6	1632-70T38-510/811-45-31
76	3"	35	8×12	5×11	-	4	3.0	1632-76T38-511/812-45-41
89	3 1/2"	35	8×12	5×12	-	4	3.5	1632-89T38-512/812-45-31

Reaming bit integration model



102	4"	35	8×12	9×12	2	2	3.6	1441-102T38-912/812-45-41
127	5"	35	8×13	9×13	2	2	6.9	1441-127T38-913/813-45-41

Description

Effective Length(L)

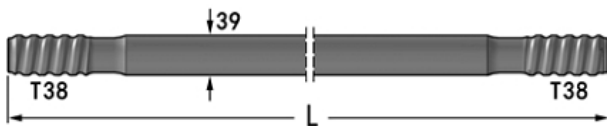
Diameter

Weight

Part No.

Description	Effective Length(L)			Diameter		Weight	Part No.
	mm	ft	in	mm	in		

Extension rod, T38-Round39-T38



1220	4	-	39	1 1/2	10.2	23R39-T38-1220-23
1525	5	-	39	1 1/2	12.8	23R39-T38-1525-23
1830	6	-	39	1 1/2	15.3	23R39-T38-1830-23
2435	8	-	39	1 1/2	20.4	23R39-T38-2435-23
3050	10	-	39	1 1/2	25.5	23R39-T38-3050-23
3660	12	-	39	1 1/2	30.9	23R39-T38-3660-23
4270	14	-	39	1 1/2	35.7	23R39-T38-4270-23

T38 (1 1/2") SERIES BENCH & LONG HOLE DRILLING EQUIPMENT

Description	Effective Length(L)			Diameter		Weight	Part No.
	mm	ft	in	mm	in		
MF-rod, T38-Round39-T38							
	915	3	-	39	1 1/2	10.7	24R39-T38/57-0915-23
	1220	4	-	39	1 1/2	13.3	24R39-T38/57-1220-23
	1525	5	-	39	1 1/2	15.8	24R39-T38/57-1525-23
	1830	6	-	39	1 1/2	18.3	24R39-T38/57-1830-23
	2435	8	-	39	1 1/2	23.4	24R39-T38/57-2435-23
	3050	10	-	39	1 1/2	28.5	24R39-T38/57-3050-23
	3660	12	-	39	1 1/2	33.6	24R39-T38/57-3660-23
	4270	14	-	39	1 1/2	38.7	24R39-T38/57-4270-23



Description	Effective Length(L)			Diameter		Weight	Part No.
	mm	ft	in	mm	in		
T38 Coupling Sleeve							
	55	2 1/8		190	7 1/2	2.1	31-T38-55-190-23

