

HARDMETALS



PERCUSSIVE ROCK BITS



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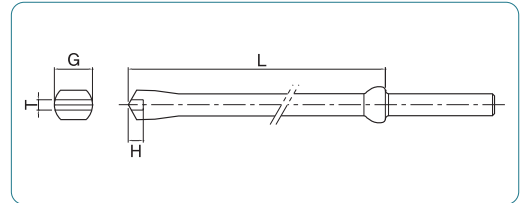


DRILL STEEL EQUIPMENT

Integral Drill Steel



■ Shank H22 ×108mm (7/8" ×4 1/4")



T/C tip Size (T ×H) 10 ×18

Series	Effective Length(L)			Gauge(G)		Approx Weight(kg)	Part no.
	mm	ft	in	mm	in		
11	800	2'	7"	34	1 11/32"	3.0	11210834
	1600	5'	3"	33	1 19/64"	5.4	11211633
	2400	7'	10"	32	1 1/4"	7.9	11212432
	3200	10'	6"	31	1 7/32"	10.3	11213231
	4000	13'	1"	30	1 3/16"	12.7	11214030
	4800	15'	9"	29	1 9/64"	15.2	11214829
	5600	18'	4"	28	1 7/64"	17.6	11215628
	6400	21'	-	27	1 1/16"	20.1	11216427
	7200	23'	8"	26	1 1/32"	22.5	11217226
12	800	2'	7"	40	1 37/64"	3.0	12210840
	1600	5'	3"	39	1 17/32"	5.4	12211639
	2400	7'	10"	38	1 1/2"	7.9	12212438
	3200	10'	6"	37	1 29/64"	10.2	12213237
	4000	13'	1"	36	1 27/64"	12.7	12214036
	4800	15'	9"	35	1 3/8"	15.1	12214835
	5600	18'	4"	34	1 11/32"	17.6	12215634
	6400	21'	-	33	1 19/64"	20.1	12216433
	7200	23'	8"	32	1 1/4"	22.5	12217232
13	400	1'	4"	34	1 11/32"	1.8	13210434
	800	2'	7"	33	1 19/64"	3.0	13210833
	1200	3'	11"	32	1 1/4"	4.2	13211232
	1600	5'	3"	31	1 7/32"	5.4	13211631
	2000	6'	7"	30	1 3/16"	6.6	13212030
16	600	2'	-	35	1 3/8"	2.4	16210635
	1200	3'	11"	34	1 11/32"	4.2	16211234
	1800	5'	11"	33	1 19/64"	6.0	16211833
	2400	7'	10"	32	1 1/4"	7.9	16212432
17	600	2'	-	41	1 5/8"	2.5	17210641
	1200	3'	11"	40	1 37/64"	4.2	17211240
	1800	5'	11"	39	1 17/32"	6.0	17211839
	2400	7'	10"	38	1 1/2"	7.9	17212438
	2000	6'	7"	33	1 19/64"	6.6	17212033
	8000	26'	3"	26	1 1/32"	24.7	17218026
	8800	28'	11"	25	1"	27.0	17218825
	800	2'	7"	29	1 9/64"	3.0	17210829
	1600	5'	3"	28	1 7/64"	5.4	17211628
	2400	7'	10"	27	1 1/16"	7.9	17212427

* Special size is available upon your request

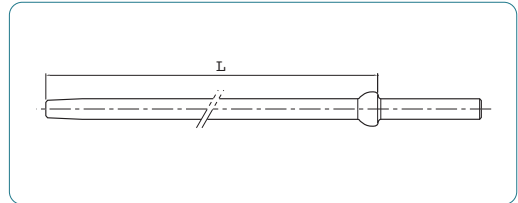


DRILL STEEL EQUIPMENT

Tapered Rod



■ Shank H22 × 108mm (7/8" × 4 1/4")



Taper Angle	Effective Length(L)			Approx Weight(kg)	Part no.
	mm	ft	in		
6°	400	1'	1 3/4"	1.6	062T0400
	800	2'	7 1/2"	2.5	062T0800
	1200	3'	11"	4.1	062T1200
	1600	5'	3"	5.3	062T1600
	2400	7'	10"	7.7	062T2400
	3200	10'	6"	10.1	062T3200
	4000	13'	1 1/2"	12.6	062T4000
	4800	15'	9"	15.1	062T4800
	5600	18'	4 1/2"	17.5	062T5600
7°	610	2'	-	2.3	072T0610
	1220	4'	-	4.2	072T1220
	1830	6'	-	6.2	072T1830
	2440	8'	-	8	072T2440
	3050	10'	-	9.8	072T3050
	3660	12'	-	6.2	072T3660
	5485	18'	-	17.1	072T5485
	6400	21'	-	19.8	072T6400
	7315	24'	-	22.6	072T7315
11°	1220	4'	-	4.1	112T1220
	1830	6'	-	5.9	112T1830
	2440	8'	-	7.8	112T2440
	3050	10'	-	9.6	112T3050
12°	610	2'	-	2.3	122T0610
	1220	4'	-	4.2	122T1220
	1830	6'	-	6	122T1830
	2000	6'	7"	6.5	122T2000
	2440	8'	-	7.9	122T2440
	3050	10'	-	9.8	122T3050
	3660	12'	-	11.4	122T3660
	5485	18'	-	17.1	122T5485
	6400	21'	-	19.8	122T6400
	7315	24'	-	22.6	122T7315



* Special size is available upon your request



BUTTON BIT



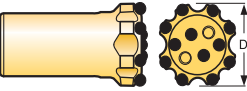
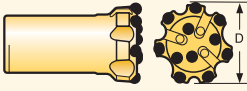






Thread R32 (1 1/4")

Button bit	Body Dia		Buttons		Carbide Design	Angle	Approx Weight (kg)	Part No.
	(mm)	(in)	Gauge (No×Size)	Front (No×Size)				
	41	1 5/8"	6×8	3×8	Spherical	30°	0.6	FFA041SN
	41	1 5/8"	6×8	3×8	Ballistic	30°	0.6	FFA041BN
	45	1 3/4"	6×10	3×8	Spherical	30°	0.8	FFA045SN
	45	1 3/4"	6×10	3×8	Ballistic	30°	0.8	FFA045BN
	51	2"	6×10	3×9	Spherical	30°	1.0	FFA051SN
	57	2 1/4"	6×10	3×9	Spherical	30°	1.2	FFA057SN
	57	2 1/4"	6×10	3×9	Ballistic	30°	1.2	FFA057BN
	64	2 1/2"	8×11	4×10	Spherical	35°	1.7	FFA064SN
	45	1 3/4"	6×10	3×8	Spherical	30°	0.8	FHA045SN
	45	1 3/4"	6×10	3×8	Ballistic	30°	0.8	FHA045BN
	45	1 3/4"	6×10	3×8	Parabolic	30°	0.8	FHA045PN
	51	2"	6×10	3×9	Spherical	30°	1.0	FHA051SN
	51	2"	6×10	3×9	Ballistic	30°	1.0	FHA051BN
	51	2"	6×10	3×9	Parabolic	30°	1.0	FHA051PN
	57	2 1/4"	6×10	3×9	Ballistic	30°	1.2	FHA057BN
	64	2 1/2"	8×11	4×10	Spherical	35°	1.7	FHA064SN

* Special size is available upon your request
 * All thread is left-sided.

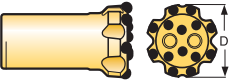

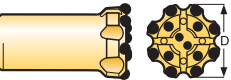



BUTTON BIT

Thread T38 (1 1/2")

Button bit	Body Dia		Buttons		Carbide Design	Angle	Approx Weight (kg)	Part No.	
	(mm)	(in)	Gauge (No×Size)	Front (No×Size)					
Flat Face 	64	2 1/2"	8×11	4×10	Spherical	35°	1.5	FFC064SN	
	64	2 1/2"	8×11	4×10	Ballistic	35°	1.5	FFC064BN	
	76	3"	8×11	4×11	Spherical	35°	1.9	FFC076SN	
	76	3"	8×11	4×11	Ballistic	35°	1.9	FFC076BN	
	89	3 1/2"	9×11	6×10	Spherical	35°	3.7	FFC089SN	
	89	3 1/2"	9×11	6×10	Ballistic	35°	3.7	FFC089BN	
	102	4"	9×12	7×12	Spherical	35°	4.6	FFC102SN	
	102	4"	9×12	7×12	Ballistic	35°	4.6	FFC102BN	
	64	2 1/2"	6×12	3×11	Parabolic	35°	1.5	FHC064PN	
	76	3"	7×12	4×11	Parabolic	35°	1.8	FHC076PN	
Drop Center 	64	2 1/2"	6×11	4×10	Spherical	35°	1.7	DCC064SN	
	64	2 1/2"	6×11	4×10	Ballistic	35°	1.8	DCC064BN	
	76	3"	6×11	4×11	Spherical	35°	2.1	DCC076SN	
	76	3"	6×11	4×11	Ballistic	35°	2.9	DCC076BN	
		76	3"	8×11	4×11	Spherical	35°	2.6	DHC076SN
		76	3"	8×11	4×11	Ballistic	35°	2.6	DHC076BN
		89	3 1/2"	8×12	5×11	Spherical	35°	3.6	DHC089SN
		89	3 1/2"	8×12	5×11	Ballistic	35°	3.6	DHC089BN
	102	4"	8×14	5×12	Spherical	35°	5.5	DHC102SN	
	102	4"	8×14	5×12	Ballistic	35°	5.5	DHC102BN	
Heavy Duty 	64	2 1/2"	8×12	4×11	Spherical	35°	1.7	FFC064SH	
	76	3"	8×12	4×12	Spherical	35°	2.7	FFC076SH	
	89	3 1/2"	8×13	4×13	Spherical	35°	3.9	FFC089SH	
Retrac Bit 	64	2 1/2"	8×11	4×10	Spherical	35°	1.9	REC064SN	
	64	2 1/2"	8×11	4×10	Ballistic	35°	1.9	REC064BN	
	76	3"	8×11	4×11	Spherical	35°	3.0	REC076SN	
	76	3"	8×11	4×11	Ballistic	35°	3.0	REC076BN	
	89	3 1/2"	8×11	4×11 2×9	Spherical	35°	5.5	REC089SN	
	89	3 1/2"	8×11	4×11 2×9	Ballistic	35°	5.5	REC089BN	
	102	4"	8×12	4×11 2×11	Spherical	35°	7.2	REC102SN	
	102	4"	8×12	4×11 2×11	Ballistic	35°	7.2	REC102BN	
Retrac Drop Center 	64	2 1/2"	8×11	4×10 1×9	Spherical	35°	1.9	DRC064SN	
	64	2 1/2"	8×11	4×10 1×9	Ballistic	35°	1.9	DRC064BN	
	76	3"	8×11	4×11 1×10	Spherical	35°	3.0	DRC076SN	
	76	3"	8×11	4×11 1×10	Ballistic	35°	3.0	DRC076BN	
	89	3 1/2"	8×11	4×11 2×9	Spherical	35°	5.6	DRC089SN	
	89	3 1/2"	8×11	4×11 2×9	Ballistic	35°	5.6	DRC089BN	
	102	4"	8×12	4×11 2×11	Ballistic	35°	7.0	DRC102BN	
	117	4 3/5"	8×14	4×13 3×13	Ballistic	35°	8.7	DRC117BN	
	127	5"	8×14	4×14 3×13	Ballistic	35°	10.4	DRC127BN	
Retrac Drop Center Heavy Duty	89	3 1/2"	8×12	4×11 2×9	Spherical	35°	5.8	DRC089SH	
	89	3 1/2"	8×12	4×11 2×9	Ballistic	35°	5.8	DRC089BH	
	95	3 3/4"	8×12	4×11 2×10	Spherical	35°	6.4	DRC095SH	
	95	3 3/4"	8×12	4×11 2×10	Ballistic	35°	6.4	DRC095BH	


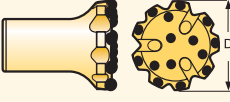




BUTTON BIT

Thread T45 (1 3/4")

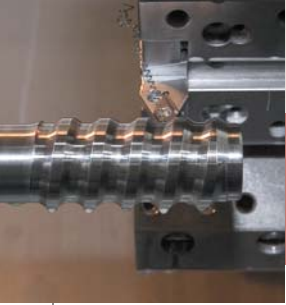
Button bit	Body Dia		Buttons		Carbide Design	Angle	Approx Weight (kg)	Part No.
	(mm)	(in)	Gauge (No×Size)	Front (No×Size)				
Flat Face 	76	3"	8×11	4×11	Spherical	35°	1.9	FFD076SN
	76	3"	8×11	4×11	Ballistic	35°	1.9	FFD076BN
	89	3 1/2"	9×11	6×10	Spherical	35°	3.7	FFD089SN
	89	3 1/2"	9×11	6×10	Ballistic	35°	3.7	FFD089BN
	102	4"	9×12	7×12	Spherical	35°	4.5	FFD102SN
	102	4"	9×12	7×12	Ballistic	35°	4.5	FFD102BN
	115	4 1/2"	8×14	7×13	Spherical	35°	7.0	FFD115SN
	115	4 1/2"	8×14	7×13	Ballistic	35°	7.0	FFD115BN
	89	3 1/2"	9×11	6×10	Spherical	35°	3.7	FHD089SN
	89	3 1/2"	9×11	6×10	Ballistic	35°	3.7	FHD089BN
	102	4"	9×12	7×12	Spherical	35°	4.5	FHD102SN
	102	4"	9×12	7×12	Ballistic	35°	4.5	FHD102BN
Drop Center 	76	3"	8×11	4×11	Spherical	35°	2.4	DHD076SN
	76	3"	8×11	4×11	Ballistic	35°	2.4	DHD076BN
	89	3 1/2"	8×12	5×11	Spherical	35°	3.4	DHD089SN
	89	3 1/2"	8×12	5×11	Ballistic	35°	3.4	DHD089BN
	102	4"	8×14	5×12	Spherical	35°	5.2	DHD102SN
	102	4"	8×12	6×12	Ballistic	35°	5.2	DHD102BN
	115	4 1/2"	8×14	7×13	Spherical	35°	6.2	DHD115SN
	115	4 1/2"	8×14	7×14	Ballistic	35°	6.2	DHD115BN
	127	5"	8×14	7×14	Spherical	35°	6.7	DHD127SN
	127	5"	8×14	8×14	Ballistic	35°	6.7	DHD127BN
Heavy Duty 	76	3"	8×12	4×12	Spherical	35°	2.3	FFD076SH
	89	3 1/2"	8×13	5×13	Spherical	35°	3.4	FFD089SH
Retrac Bit 	76	3"	8×11	4×11	Spherical	35°	2.8	RED076SN
	76	3"	8×11	4×11	Ballistic	35°	2.8	RED076BN
	89	3 1/2"	8×11	4×11 2×9	Spherical	35°	5.4	RED089SN
	89	3 1/2"	8×11	4×11 2×9	Ballistic	35°	5.4	RED089BN
	102	4"	8×12	4×11 2×11	Spherical	35°	7.0	RED102SN
	102	4"	8×12	4×11 2×11	Ballistic	35°	7.0	RED102BN
	115	4 1/2"	8×14	4×13 3×13	Spherical	35°	8.7	RED115SN
	115	4 1/2"	8×14	4×13 3×13	Ballistic	35°	8.7	RED115BN
Retrac Drop Center 	76	3"	8×11	4×11 2×10	Spherical	35°	2.7	DRD076SN
	76	3"	8×11	4×11 2×10	Ballistic	35°	2.7	DRD076BN
	89	3 1/2"	8×11	4×11 3×9	Spherical	35°	5.3	DRD089SN
	89	3 1/2"	8×11	4×11 3×9	Ballistic	35°	5.3	DRD089BN
	102	4"	8×12	4×11 2×11	Spherical	35°	7.0	DRD102SN
	102	4"	8×12	4×11 2×11	Ballistic	35°	7.0	DRD102BN
	115	4 1/2"	8×14	7×13	Spherical	35°	8.7	DRD115SN
	115	4 1/2"	8×14	7×13	Ballistic	35°	8.7	DRD115BN

BUTTON BIT

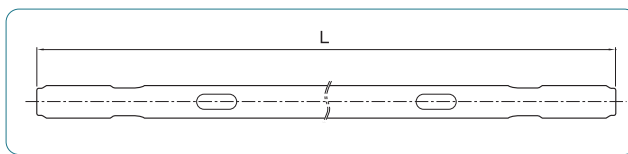
Thread T51 (2")

Button bit	Body Dia		Buttons		Carbide Design	Angle	Approx Weight (kg)	Part No.
	(mm)	(in)	Gauge (No×Size)	Front (No×Size)				
Flat Face 	89	3 1/2"	9×11	6×10	Spherical	35°	3.6	FFE089SN
	102	4"	9×12	7×12	Spherical	35°	4.5	FFE102SN
	115	4 1/2"	8×14	7×13	Spherical	35°	6.8	FFE115SN
	127	5"	8×14	7×14	Spherical	35°	7.0	FFE127SN
	89	3 1/2"	9×11	6×10	Spherical	35°	3.6	FHE089SN
	89	3 1/2"	9×11	6×10	Ballistic	35°	3.6	FHE089BN
	102	4"	9×12	7×12	Spherical	35°	4.5	FHE102SN
	102	4"	9×12	7×12	Ballistic	35°	4.5	FHE102BN
	115	4 1/2"	8×14	7×13	Spherical	35°	6.8	FHE115SN
	115	4 1/2"	8×14	7×13	Ballistic	35°	6.8	FHE115BN
	127	5"	8×14	7×14	Spherical	35°	7.0	FHE127SN
	127	5"	8×14	7×14	Ballistic	35°	7.0	FHE127BN
Drop Center 	89	3 1/2"	8×12	5×11	Spherical	35°	3.3	DHE089SN
	89	3 1/2"	8×12	5×12	Ballistic	35°	3.3	DHE089BN
	102	4"	8×14.5	5×12	Spherical	35°	4.8	DHE102SN
	102	4"	8×13	6×12	Ballistic	35°	4.8	DHE102BN
	115	4 1/2"	8×14.5	7×13	Spherical	35°	5.7	DHE115SN
	115	4 1/2"	8×14	7×14	Ballistic	35°	5.7	DHE115BN
	127	5"	8×14.5	7×14	Spherical	35°	6.8	DHE127SN
	127	5"	8×14.5	8×14.5	Ballistic	35°	6.8	DHE127BN
Heavy Duty 	89	3 1/2"	8×12.9	5×12.9	Spherical	35°	3.2	FFE089SH
	102	4"	8×14	6×13	Spherical	35°	4.7	FFE102SH
Retrac Bit 	89	3 1/2"	8×11	4×11 2×9	Spherical	35°	5.2	REE089SN
	89	3 1/2"	8×11	4×11 2×9	Ballistic	35°	5.2	REE089BN
	102	4"	8×12	4×11 2×11	Spherical	35°	6.9	REE102SN
	102	4"	8×12	4×11 2×11	Ballistic	35°	6.9	REE102BN
	115	4 1/2"	8×14	7×13	Spherical	35°	8.2	REE115SN
	115	4 1/2"	8×13	7×13	Ballistic	35°	8.2	REE115BN
	127	5"	8×14.5	7×14.5	Spherical	35°	10.5	REE127SN
	127	5"	8×14.5	7×14.5	Ballistic	35°	10.5	REE127BN
Retrac Drop Center 	89	3 1/2"	8×11	4×11 2×9	Spherical	35°	5.2	DRE089SN
	89	3 1/2"	8×11	4×11 2×9	Ballistic	35°	5.2	DRE089BN
	102	4"	8×12	4×11 2×11	Spherical	35°	6.9	DRE102SN
	102	4"	8×12	4×11 2×11	Ballistic	35°	6.9	DRE102BN
	115	4 1/2"	8×14	7×13	Spherical	35°	8.2	DRE115SN
	115	4 1/2"	8×14	7×13	Ballistic	35°	8.2	DRE115BN
	127	5"	8×14.5	7×14.5	Spherical	35°	10.5	DRE127SN
	127	5"	8×14.5	7×14.5	Ballistic	35°	10.5	DRE127BN

EXTENSION DRILLING EQUIPMENT



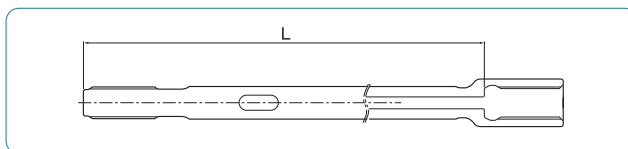
EX-ROD



Thread	Length(L)		Thread Type	Approx Weight(kg)	Part no.
	mm	ft			
T38 - Round 39 - T38	3050	10'	Single	24.0	EXCC10RS
T38 - Round 39 - T38	3050	10'	Double	24.0	EXCC10RD
T38 - Round 39 - T38	3660	12'	Single	29.0	EXCC12RS
T38 - Round 39 - T38	3660	12'	Double	29.0	EXCC12RD
R38 - Round 39 - R38	3050	10'	Single	24.0	EXBB10RS
R38 - Round 39 - R38	3050	10'	Double	24.0	EXBB10RD
R38 - Round 39 - R38	3660	12'	Single	29.0	EXBB12RS
R38 - Round 39 - R38	3660	12'	Double	29.0	EXBB12RD
T45 - Round 46 - T45	3660	12'	Single	40.0	EXDD12RS
T45 - Round 46 - T45	3660	12'	Double	40.0	EXDD12RD
T51 - Round 52 - T51	3660	12'	Single	50.0	EXEE12RS
T51 - Round 52 - T51	3660	12'	Double	50.0	EXEE12RD

* Other sizes are available, please ask us.
* All thread is left-sided.

MF-ROD



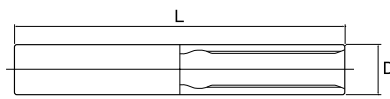
Thread	Length(L)		Approx Weight(kg)	Part no.
	mm	ft		
T38 - Round 39 - T38	3050	10'	26.3	MFCC10RA
T38 - Round 39 - T38	3660	12'	29.0	MFCC12RA
R38 - Round 39 - R38	3050	10'	26.3	MFBB10RA
R38 - Round 39 - R38	3660	12'	29.0	MFBB12RA
T45 - Round 46 - T45	3660	12'	41.4	MFDD12RA
T51 - Round 52 - T51	3660	12'	52.3	MFEE12RA

* Other sizes are available, please ask us.
* All thread is left-sided.

EXTENSION DRILLING EQUIPMENT

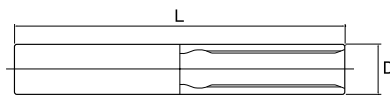


Coupling Sleeve



Thread	Dimensions		Approx Weight(kg)	Part no.
	L(mm)	D(mm)		
R32	150	44	1.0	CSR32150
R38	170	54	1.7	CSR38170
R38	190	54	1.8	CSR38190
T38	190	54	1.8	CST38190
T45	210	63	3.0	CST45210
T51	225	76	4.0	CST51225

Coupling Adapter



Thread	Dimensions		Approx Weight(kg)	Part no.
	L(mm)	D(mm)		
R32 – R28	165	44	0.9	CAR3228R
R32 – R38	170	54	1.7	CAR3238R
R32 – T38	190	54	1.8	CAR3238T
T38 – R38	190	54	1.8	CAT3838R
R38 – T45	210	63	3.0	CAR3845T
T38 – T45	210	63	3.0	CAT3845T
T45 – T51	225	76	4.0	CAT4551T
T38 – T51	225	76	4.0	CAT3851T



SHANK ADAPTER



Atlas Copco

Rock drill type	Thread	Length L (mm)	Flushing Tube dia.(mm)	Approx Weight(kg)	Part no.
BBE56-U2, BBE57, BBE57-01 INGERSOLL-RAND LM400 INGERSOLL-RAND YH60	T38	447	14	4.8	C01C447Y
	T38	530	14	5.3	C01C530Y
	T38	537	14	5.5	C01C537Y
	T45	550	14	5.8	C01D550Y
COP131	R38	380	14	3.0	C02B380Y
	T38	380	14	3.0	C02C380Y
COP1036HB, 1038HB, 1238LE, 1238ME	R38	575	-	5.4	C03B575N
	T38	575	-	5.4	C03C575N
	T45	575	-	5.8	C03C575N
COP1038H, 1238ME	R32	485	-	4.0	C04A485N
	R38	485	-	4.1	C04B485N
	T38	485	-	4.1	C04C485N
	R32	500	-	4.0	C04A500N
	T38	500	-	4.3	C04C500N
COP1440, 1550, 1838	T45	500	-	5.0	C04D500N
	R38	435	-	4.4	C05B435N
	T38	435	-	4.4	C05C435N
	R32	525	-	5.3	C05A525N
	R38	525	-	5.9	C05B525N
COP1440, 1550, 1838	T38	525	-	5.9	C05C525N
	R32	525	-	5.7	C06A525N
	T38	525	-	5.9	C06C525N
	T45	525	-	6.1	C06D525N
COP1440, 1550, 1838	T51	525	-	6.5	C06E525N

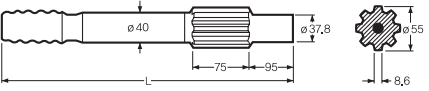
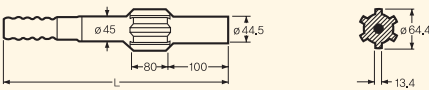
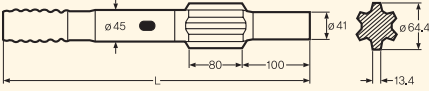
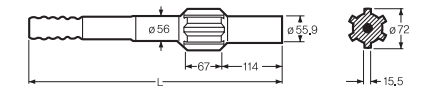
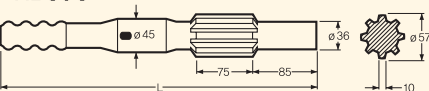
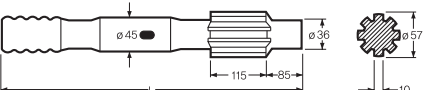
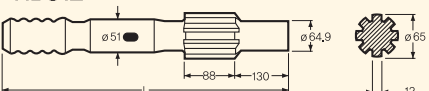
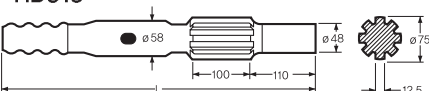
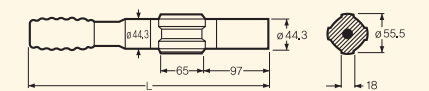
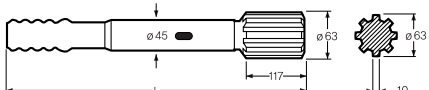
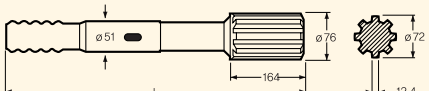
* Other models are also available, please ask us.

* All thread is left-sided.



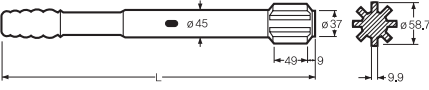
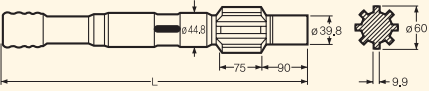
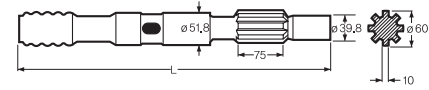
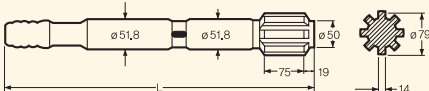
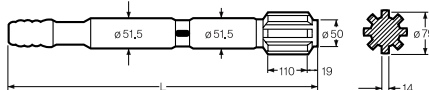
SHANK ADAPTER

Furukawa

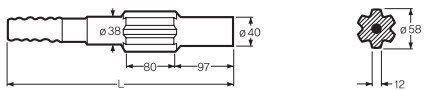
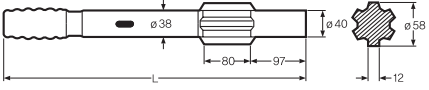
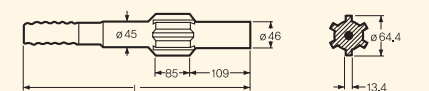
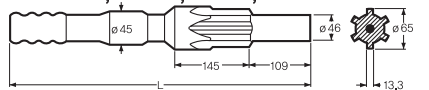
Rock drill type	Thread	Length L (mm)	Flushing Tube dia.(mm)	Approx Weight(kg)	Part no.
HD180 	R38	565	14	5.0	F01B565Y
	T38	565	14	5.0	F01C564Y
HD300 	T38	655	16	6.1	F02C655Y
	T45	655	16	6.5	F02D655Y
HD300 	T45	786	—	10.0	F03D786N
HD500 	T38	620	16	10.7	F04C620Y
	T45	620	16	11.0	F04D620Y
HD609 	T38	620	—	6.5	F05C620N
	T45	620	—	6.7	F05D620N
	T38	690	—	7.7	F05D690N
HD609RP 	T38	795	—	6.5	F06C795N
	T45	795	—	6.5	F06D795N
	T38	865	—	9.0	F06C865N
HD612 	T38	715	—	8.8	F07C715N
	T45	715	—	9.0	F07D715N
HD615 	T45	700	—	11.5	F08D700N
	T51	700	—	11.8	F08E700N
	T51	880	—	12.0	F08E880N
PD200, M120 INGERSOLL-RAND VL120, 140, ELV130 TAMROCK L600, L750 TOYO YTPR120, 220 G.D. PR123 	R32	380	14	3.5	F09A380Y
	T38	380	14	3.6	F09C380Y
	R32	355	14	3.0	F09A355Y
	R38	355	14	3.0	F09B355Y
	T38	446	14	3.9	F09C446Y
HD709 	T38	620	—	8.3	F10C620N
HD712S 	T45	785	—	11.9	F11D785N

SHANK ADAPTER

Tamrock

Rock drill type	Thread	Length L (mm)	Flushing Tube dia.(mm)	Approx Weight(kg)	Part no.
HL500, HL500S 	R38	500	-	5.3	S01B500N
	T38	500	-	5.3	S01C500N
	R32	550	-	5.3	S01A550N
	R38	550	-	5.3	S01B550N
	T38	550	-	5.3	S01C550N
	T45	550	-	5.9	S01D550N
HL600, HL600S 	R32	525	-	5.6	S02A525N
	T38	525	-	5.7	S02C525N
	T45	525	-	5.8	S02D525N
	T38	600	-	6.3	S02C600N
	T45	600	-	6.5	S02D600N
HL600 	T45	650	-	7.7	S03D650N
HL1000, HL1000S 	T51	590	-	9.4	S04E590N
	T45	670	-	10.0	S04D670N
	T51	670	-	10.7	S04E670N
HL1500 	T51	710	-	11.3	S05E710N

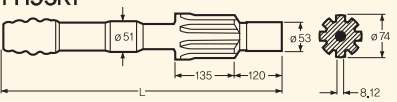
Ingersoll-Rand

YH50 	R38	440	16	3.7	Y01B440Y
	T38	440	16	3.7	Y01C440Y
	R38	517	-	4.6	Y02B517N
	T38	517	-	3.4	Y02C517N
YH65, 80 	T38	480	19	5.0	Y03C480Y
	T45	480	19	5.2	Y03D480Y
	T38	495	19	5.5	Y03C495Y
	T45	495	19	5.8	Y03D495Y
YH65RP, 70RP, 75RP, 80RP 	T38	600	19	7.6	Y04C600Y
	T45	700	19	7.9	Y04D700Y

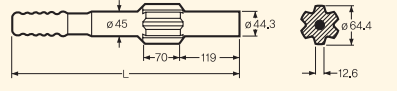
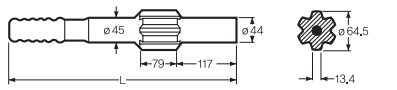


SHANK ADAPTER

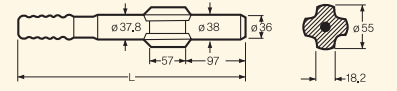
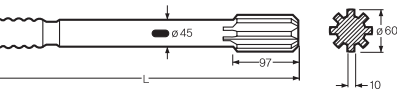
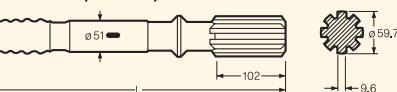
Ingersoll-Rand

Rock drill type	Thread	Length L (mm)	Flushing Tube dia.(mm)	Approx Weight(kg)	Part no.
YH95 	T45	625	19	8.4	Y05D625Y
	T51	625	19	9.0	Y05E625Y
YH95RP 	T45	840	16	11.0	Y06D840Y
	T51	840	19	11.2	Y06E840Y
VL120, 140, ELV130 FURUKAWA PD200, M120 TAMROCK L600, L750 TOYO YTPR120, 220 	R32	380	14	3.5	Y07A380Y
	T38	380	14	3.6	Y07C380Y
	T38	446	14	3.9	Y07C446Y
	R32	355	14	3.0	Y07A355Y
	R38	355	14	3.0	Y07B355Y

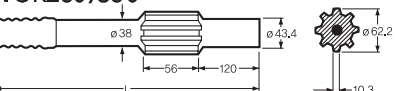
Toyo

TH500, 550, TH501, 501S 	T38	565	12	5.9	O01C565Y
	T45	565	12	5.9	O01D565Y
TOYO650 	T38	490	12	4.0	O02C490Y

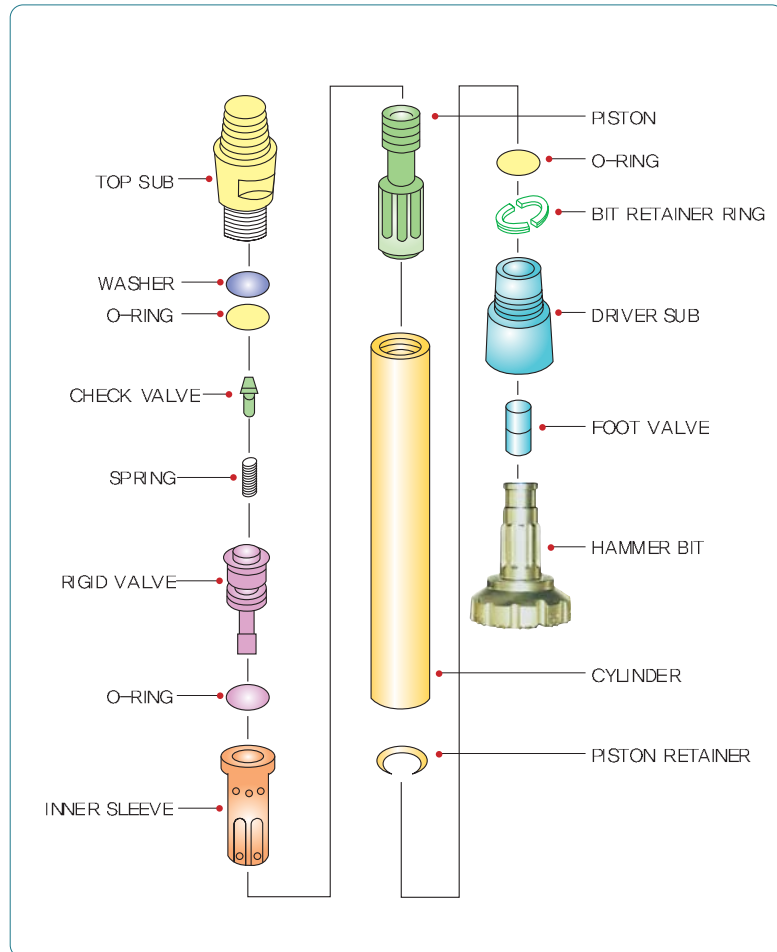
Montabert

H70 	R38	400	12	3.5	M01B400N
	T38	400	12	3.5	M01C485N
HC120, 150 	T38	490	-	5.6	M02C490N
	T45	490	-	5.6	M02D490N
HC 80R, 120R, 150R 	T45	670	-	8.0	M03D670N
	T51	670	-	8.0	M03E670N

Joy

VCR260/360 	R38	446	-	3.8	J01B446N
	T38	446	-	3.8	J01C446N

DOWN THE HOLE HAMMER

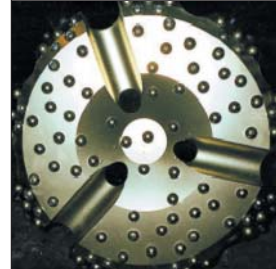


Specification

Hammer Model	Hole Sizes (mm)	Hammer DIA.(mm)	Cylinder Bore(mm)	Piston Stroke (mm)	Piston Weight(kg)	length (w/o bit)	Wight (w/o bit)
DH-275	300 to 445	275	216	110	128	1,908	650
DH-330	350 to 540	330	248	115	164	1,897	1,050
DH-350	445 to 630	350	280	130	186	1,920	1,230
DH-430	508 to 810	430	355	150	250	1,970	2,130

* Specifications are subject to change without notice.

HAMMER BIT



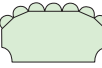


Specification

Hammer Model	BIT Sizes In. (mm)	BIT Weight Kg (Lb.)	Front Design
DH-275	13' (330mm)	185 (407)	Concave, Flat
	15' (381mm)	218 (480)	
	17½' (445mm)	240 (528)	
DH-330	15' (381mm)	230 (506)	Concave, Flat
	17½' (435mm)	255 (561)	
	17½' (445mm)	268 (590)	
	19' (483mm)	280 (616)	
	21' (533mm)	300 (569)	
DH-350	17½' (445mm)	290 (640)	Concave, Flat
	21' (533mm)	413 (909)	
	25' (635mm)	560 (1232)	
DH-430	20' (508mm)	530 (1166)	Concave, Flat
	25' (635mm)	585 (1287)	
	32' (810mm)	702 (1584)	

* Bit Weights are approximate

Application of D.T.H HAMMER BIT

Type	Typical shape	Application
Flat face		These bits are designed to drill the hard formations faster. They have high resistance to abrasive wear and accept heavy compressive loads to achieve greater penetration rates
Concave		These bits are used in all formations from medium to very hard. Concaved relief grooves provide greater efficiency in the larger sizes.
Convex		These bits are designed to drill the soft formations faster. Grooves in the face allow for fast removal of cuttings.

HARDMETALS



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