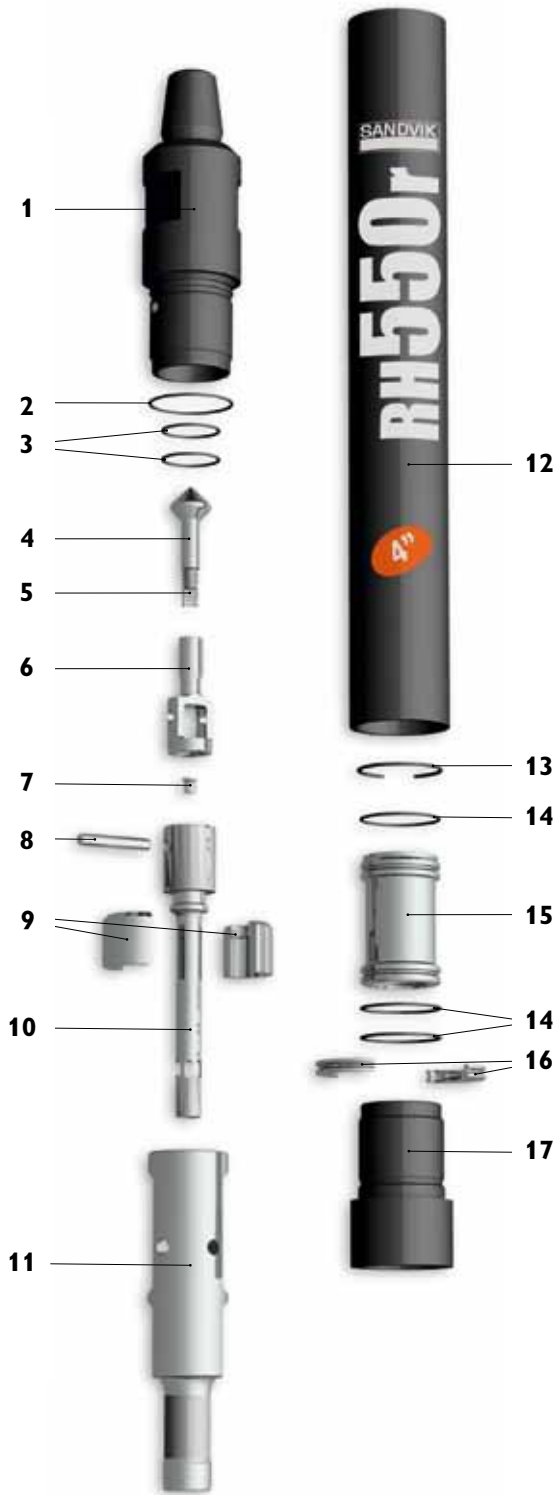




DOWN THE HOLE ROCK DRILLING TOOLS

2016

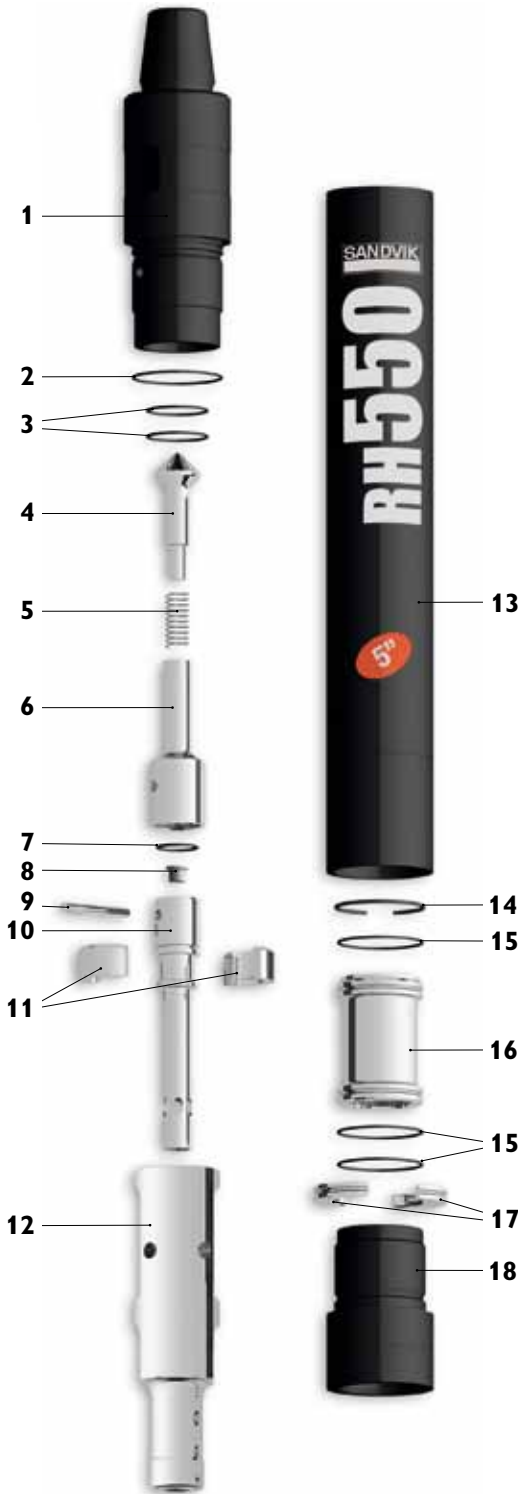





Replacement parts	Item description		Weight		Part No.
	kg	lb	kg	lb	
1.	Top Subs with 3 O-Rings				
2.	3/8"	API Reg. Pin	10	22	33-48001-1/16A
2.	7/8"	API Reg. Pin	10	22	33-48001-1/11A
	#24	Cubex. pin	10	22	33-48001-1/77A
2.	O-Ring Top Sub OD (1)				In seal kit
3.	O-Ring Top Sub ID (2)				In seal kit
4.		Check Valve Dart (with spring)	0,3	0,66	25-99001A
5.		Check Valve Spring	0,02	0,04	22-99071
6.		Check Valve Guide	0,2	0,44	39-48001-1
7.	Choke Set, Blank 1/8", 3/16", & 1/4"		0,1	0,22	29-48017A
8.		Feed Tube Retainer Pin	0,03	0,07	12-99014
9.		Tuning Ring for low volume (optional)	0,23	0,51	56-48552
10.		Feed Tube With Retainer Pin and Blank Choke	0,7	1,54	37-48001-1A
11.		Piston	7	15,40	36-48J81
12.		Piston Case with Retainer Ring	15	33,00	35-48014A
13.		Piston Retainer Ring	0,05	0,11	23-99029
14.	O-Rings Guide Sleeve & Bit Ret. (3)				In seal kit
15.		Guide Sleeve with 2 O-Rings (Item 14)	1,8	3,96	26-48J10A
16.		Bit Retainer Ring w/O-Ring (Item 14)	0,23	0,51	27-48006A
17.		Driver Sub	3,2	7,04	34-48006
Seal Kit					
1	piece of 2,	2 of 3 & 7 of 14	0,25	0,5	38-48056-1
Rebuild Kit					
1	piece of 1,	1 of 12, 1 of 17 & Seal Kit			
2.	3/8"	API Reg. Pin	28	62	38-48001/16
2.	7/8"	API Reg. Pin	28	62	38-48001/11
	#24	Cubex. pin	28	62	38-48001/77
Complete Hammer					
2	3/8"	API Reg. Pin top sub			32-5540-RMA/16S
2	7/8"	API Reg. Pin top sub			32-5540-RMA/11S
	#24	Cubex. pin top sub			32-5540-RMA/77S
Bit shank					
	M40				



	Weight		Outside diameter		Hammer length		Hammer length with bit			
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended	
							mm	inch	mm	inch
	38	83	98	3,56	914	36	989	38,9	1029	40,5
Low Volume Option	Air consumption, cfm			Air consumption, m3/min						
	150 psi	250 psi	350 psi	10 bar	18 bar	24 bar				
	180	370	560	5,1	10,5	15,9				
	151	315	466	4,3	8,9	13,2				

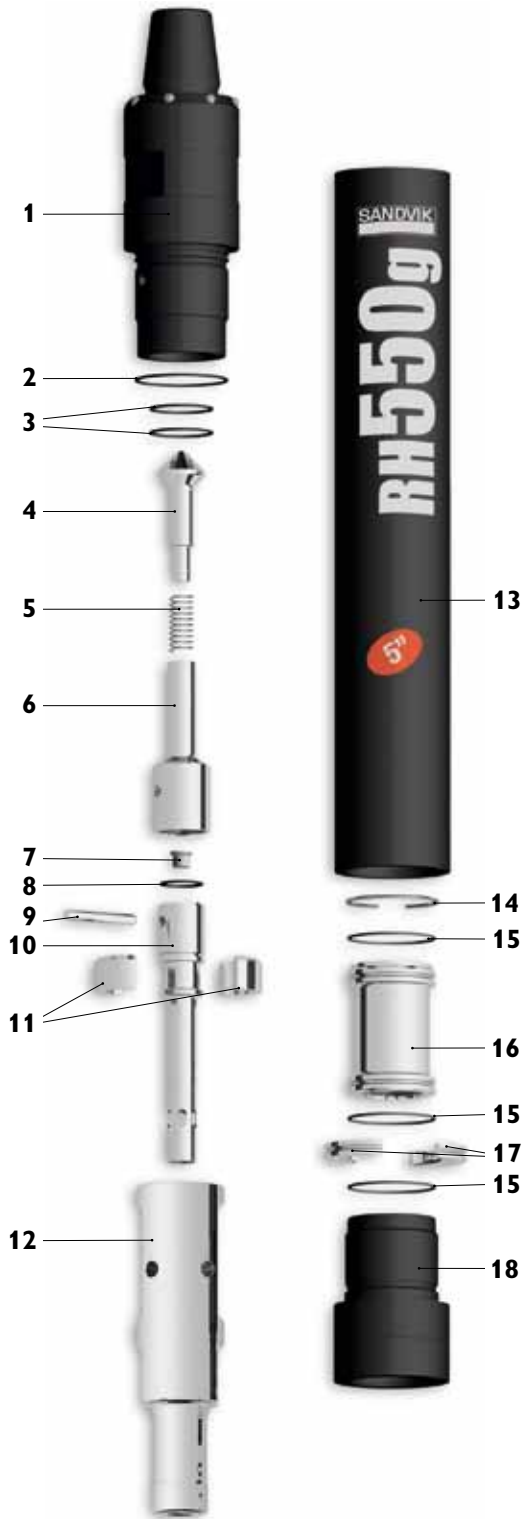



Replacement parts Item description	Weight		Part No.
	kg	lb	
1. Top Subs with 3 O-Rings			
3 1/2" API Reg. Pin	10	22,00	33-58D01/04A
2 7/8" API Reg. Pin	10	22,00	33-58D01/11A
#24 Cubex. Pin	10	22,00	33-58D01/77A
2. O-Ring Top Sub OD (1)			In Seal Kit
3. O-Ring Top Sub ID (2)			In Seal Kit
4. Check Valve Dart (with spring)	0,3	0,66	25-99002A
5. Check Valve Spring	0,02	0,04	22-99072
6. Check Valve Guide	0,3	0,66	39-58S01
7. O-Ring Feed Tube (1)			In Seal Kit
8. Choke Set, Blank 1/8", 3/16", & 1/4"	0,12	0,26	29-68017A
9. Feed Tube Retainer Pin	0,09	0,20	12-99018
10. Feed Tube With Retainer Pin and Blank Choke	1	2,20	37-58001A
11. Tuning Ring for low volume (optional)	0,03	0,07	56-58552
12. Piston	12	26,40	36-58J81
13. Piston Case with Retainer Ring	27	59,40	35-58D06A
14. Piston Retainer Ring	0,05	0,11	23-99032
15. O-Rings Guide Sleeve & Bit Ret. (3)			In Seal Kit
16. Guide Sleeve with 2 O-Rings (Item 14)	3	6,60	26-58J10A
17. Bit Retainer Ring w/O-Ring (Item 14)	0,5	1,10	27-58006A
18. Driver Sub	6	13,20	34-58D69
Seal Kit			
1 piece of 2, 2 of 3, 1 of 7 & 7 of 15	0,45	0,99	38-58D56
Rebuild Kit			
1 piece of 1, 1 of 13, 1 of 18 & Seal Kit			
3 1/2" API Reg. Pin	43	94,60	38-58D01/04
2 7/8" API Reg. Pin	43	94,60	38-58D01/11
#24 Cubex. Pin	43	94,60	38-58D01/77
Complete Hammer			
3 1/2" API Reg. Pin top sub			32-5550-SMA/04S
2 7/8" API Reg. Pin top sub			32-5550-SMA/11S
#24 Cubex. Pin top sub			32-5550-SMA/77S
Bit shank			
M50			

	Weight		Outside diameter		Hammer length		Hammer length with bit			
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended	
							mm	inch	mm	inch
	68	145	120	4,72	987	38,86	1082	42,6	1122	44,2
	Air consumption, cfm				Air consumption, m3/min					
	150 psi	250 psi	350 psi		10 bar	18 bar	24 bar			
	305	580	855		8,64	16,42	24,21			
Low Volume Option	285	540	790		8,07	15,25	22,37			

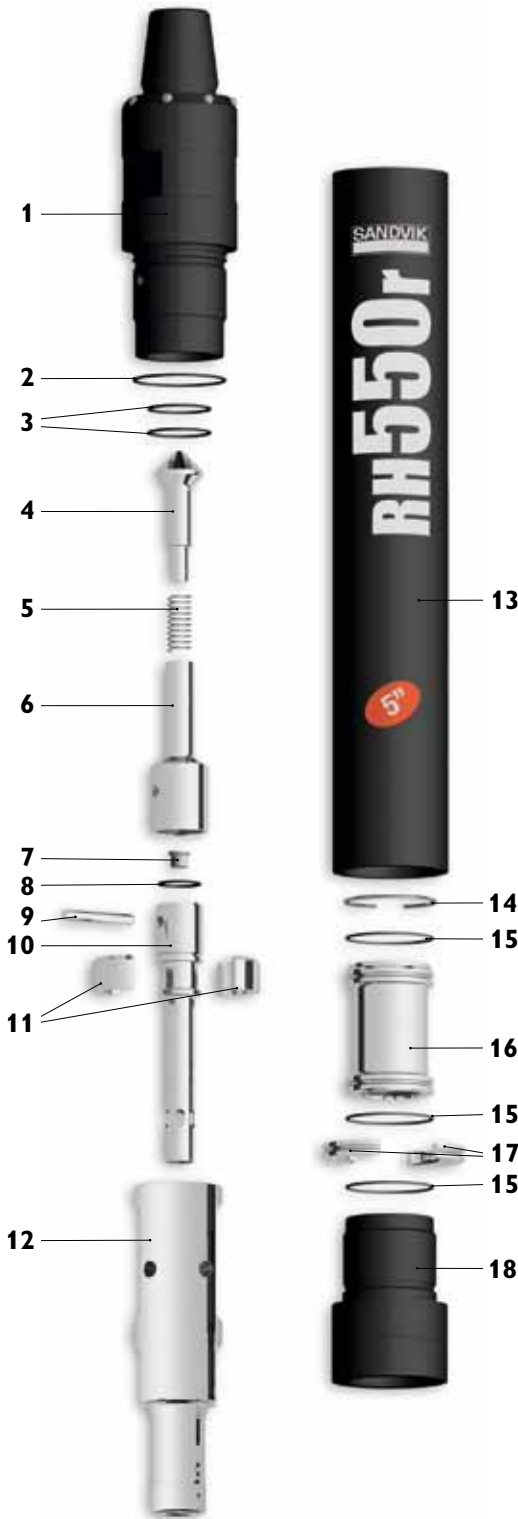
RH550g

5"



Replacement parts	Item description		Weight		Part No.
	kg	lb	kg	lb	
1.	Top Subs with 3 O-Rings				
	3	1/2" API Reg. Pin	18	39,6	33-58D02/04CA
	2	7/8" API Reg. Pin	18	39,6	33-58D02/11CA
		#24 Cubex. Pin	18	39,6	33-58D02/77CA
2.	O-Ring Top Sub OD (1)				In Seal Kit
3.	O-Ring Top Sub ID (2)				In Seal Kit
4.	Check Valve Dart (with spring)		0,3	0,66	25-99002A
5.	Check Valve Spring		0,02	0,04	22-99072
6.	Check Valve Guide		0,3	0,66	39-58S01
7.	Choke Set, Blank 1/8", 3/16", & 1/4"		0,12	0,26	29-68017A
8.	O-Ring Feed Tube (1)				In Seal Kit
9.	Feed Tube Retainer Pin		0,09	0,20	12-99018
10.	Feed Tube With Retainer Pin and Blank Choke		1	2,20	37-58001A
11.	Tuning Ring for low volume (optional)		0,03	0,07	56-58552
12.	Piston		12	26,40	36-58J81
13.	Piston Case with Retainer Ring		29	63,8	35-58D07A
14.	Piston Retainer Ring		0,05	0,11	23-99032
15.	O-Rings Guide Sleeve & Bit Ret. (3)				In Seal Kit
16.	Guide Sleeve with 2 O-Rings (Item 14)		3	6,60	26-58J10A
17.	Bit Retainer Ring w/O-Ring (Item 14)		0,5	1,10	27-58006A
18.	Driver Sub		7	15,4	34-58D70
Seal Kit					
1	piece of 2, 2 of 3, 1 of 7 & 7 of 15		0,45	0,99	38-58D56
Rebuild Kit					
1	piece of 1, 1 of 13, 1 of 18 & Seal Kit				
	3	1/2" API Reg. Pin	54	118,8	38-58D02/04C
	2	7/8" API Reg. Pin	54	118,8	38-58D02/11C
		#24 Cubex. Pin	54	118,8	38-58D02/77C
Complete Hammer					
	3 1/2" API Reg. Pin top sub				32-5555-GMA/04C
	2 7/8" API Reg. Pin top sub				32-5555-GMA/11C
	#24 Cubex. Pin top sub				32-5555-GMA/77C
Bit shank					
	M50				

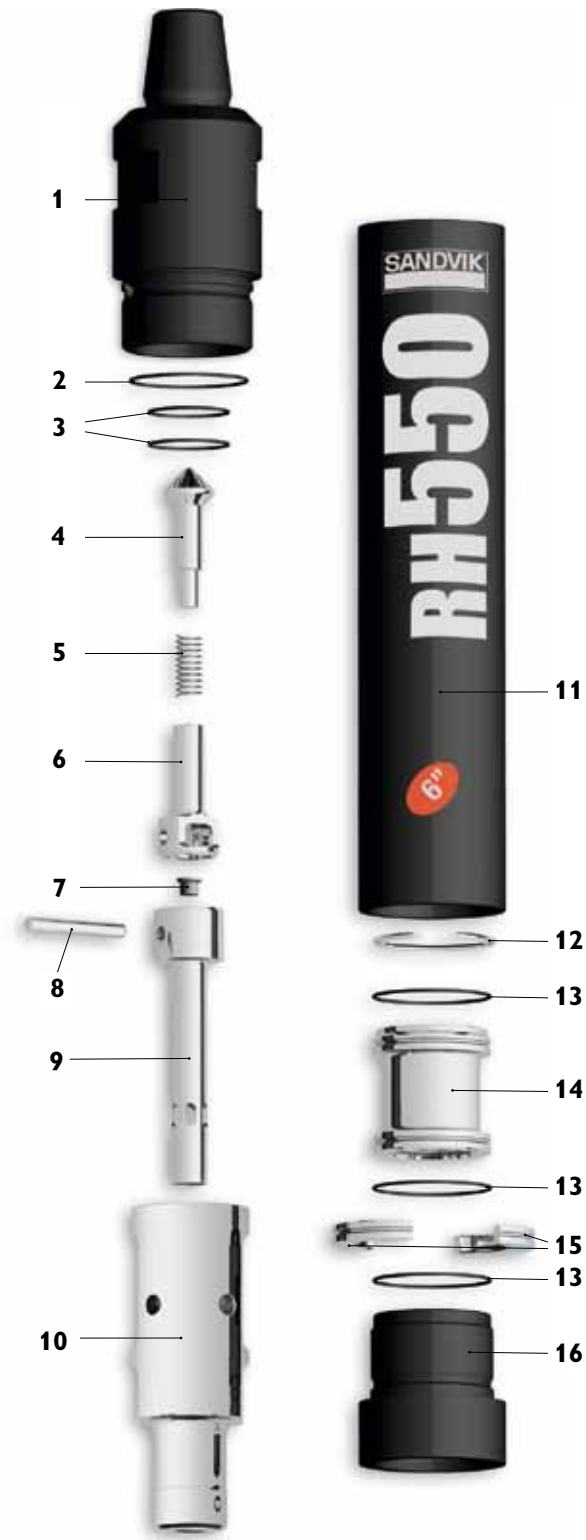
	Weight		Outside diameter		Hammer length		Hammer length with bit			
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended	
							mm	inch	mm	inch
	73	160	126	4,96	987	38,86	1082	42,6	1122	44,2
Low Volume Option	Air consumption, cfm			Air consumption, m3/min						
	150 psi	250 psi	350 psi	10 bar	18 bar	24 bar				
	305	580	855	8,64	16,42	24,21				
	285	540	790	8,07	15,25	22,37				



Replacement parts Item description	Weight		Part No.
	kg	lb	
1. Top Subs with 3 O-Rings			
3 1/2" API Reg. Pin	18	39,6	33-58S02/04CA
2 7/8" API Reg. Pin	18	39,6	33-58S02/11CA
#24 Cubex. Pin	18	39,6	33-58S02/77CA
2. O-Ring Top Sub OD (1)			In Seal Kit
3. O-Ring Top Sub ID (2)			In Seal Kit
4. Check Valve Dart (with spring)	0,3	0,66	25-99002A
5. Check Valve Spring	0,02	0,04	22-99072
6. Check Valve Guide	0,3	0,66	39-58S01
7. Choke Set, Blank 1/8", 3/16", & 1/4"	0,12	0,26	29-68017A
8. O-Ring Feed Tube (1)			In Seal Kit
9. Feed Tube Retainer Pin	0,09	0,20	12-99018
10. Feed Tube With Retainer Pin and Blank Choke	1	2,20	37-58001A
11. Tuning Ring for low volume (optional)	0,03	0,07	56-58552
12. Piston	12	26,40	36-58J81
13. Piston Case with Retainer Ring	29	63,8	35-58007A
14. Piston Retainer Ring	0,05	0,11	23-99032
15. O-Rings Guide Sleeve & Bit Ret. (3)			In Seal Kit
16. Guide Sleeve with 2 O-Rings (Item 14)	3	6,60	26-58J10A
17. Bit Retainer Ring w/O-Ring (Item 14)	0,5	1,10	27-58006A
18. Driver Sub	7	15,4	34-58070
Seal Kit			
1 piece of 2, 2 of 3, 1 of 7 & 7 of 15	0,45	0,99	38-58D56
Rebuild Kit			
1 piece of 1, 1 of 13, 1 of 18 & Seal Kit			
3 1/2" API Reg. Pin	54	118,8	38-58S02/04C
2 7/8" API Reg. Pin	54	118,8	38-58S02/11C
#24 Cubex. Pin	54	118,8	38-58S02/77C
Complete Hammer			
3 1/2" API Reg. Pin top sub			32-5555-RMA/04C
2 7/8" API Reg. Pin top sub			32-5555-RMA/11C
#24 Cubex. Pin top sub			32-5555-RMA/77C
Bit shank			
M50			



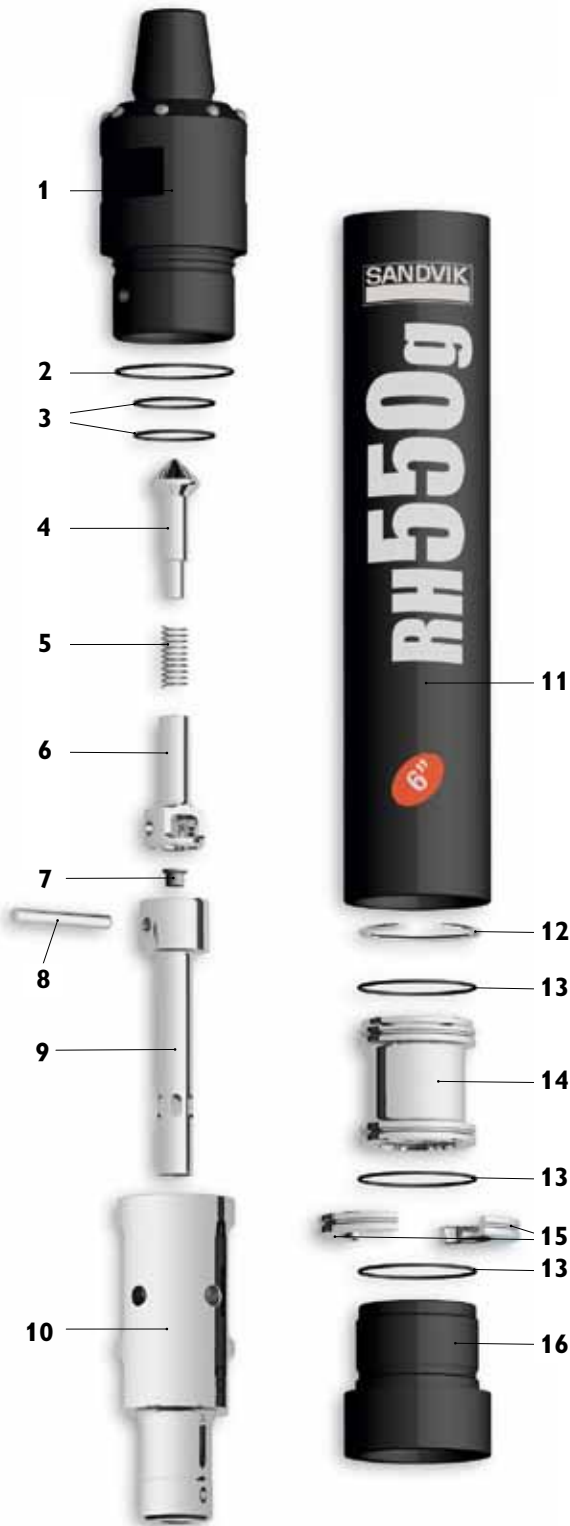
	Weight		Outside diameter		Hammer length		Hammer length with bit			
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended	
							mm	inch	mm	inch
	73	160	126	4,96	987	38,86	1082	42,6	1122	44,2
Low Volume Option	Air consumption, cfm			Air consumption, m3/min						
	150 psi	250 psi	350 psi	10 bar	18 bar	24 bar				
	305	580	855	8,64	16,42	24,21				
Low Volume Option	285	540	790	8,07	15,25	22,37				



Replacement parts	Item description		Weight		Part No.
	kg	lb	kg	lb	
1.	Top sub with 3 O-rings				
	3	1/2" API reg. pin	20	44	33-68D08/04A
		#28 Cubex. pin	20	44	33-68D08/56A
2.	O-ring top sub OD (1)				In seal kit
3.	O-ring top sub ID (2)				In seal kit
4.	0,3	Check valve dart with spring	0,3	0,66	25-99002A
5.	0,02	Check valve dart spring	0,02	0,044	22-99072
6.	0,3	Check valve guide	0,3	0,66	39-68001
7.	0,12	Choke Set, Blank 1/8", 3/16", & 1/4"	0,12	0,264	29-68017A
8.	0,2	Feed tube retainer pin	0,2	0,44	12-99013
9.	1	Feed Tube With Retainer Pin and Blank Choke	1	2,2	37-68601A
10.	18	Piston	18	39,6	36-68J81
11.	33	Piston case with retainer ring	33	72,6	35-68D14A
12.	0,1	Piston retainer ring	0,1	0,22	23-99028
13.	O-rings - guide sleeve, bit retainer (3)				In seal kit
14.	4	Guide sleeve with 2 O-rings (#13)	4	8,8	26-68J10A
15.	1	Bit retainer ring with O-ring (#13)	1	2,2	27-68006A
16.	6	Driver sub	6	13,2	34-68D69
Seal Kit					
	1	piece of #2, 2 of #3 & 7 of #13	0,25	0,55	38-68656
Rebuild Kit					
	1	piece of #1, 1 of #11, 1 of #16 & Seal kit			
	3	1/2" API reg. pin	20	44	38-68D08/04
		#28 Cubex. pin	20	44	38-68D08/56
Complete hammer					
	3	1/2" API reg. pin top sub			32-5560-SMA/04S
		#28 Cubex. pin top sub			32-5560-SMA/56S
Bit shank					
	M60				



	Weight		Outside diameter		Hammer length		Hammer length with bit			
							Bit closed		Bit extended	
	kg	lb	mm	inch	mm	inch	mm	inch	mm	inch
	72	158	142	5,6	922	36,3	1008	39,7	1046	41,2
	Air consumption, cfm				Air consumption, m3/min					
	150 psi	250 psi	350 psi		10 bar	18 bar	24 bar			
	343	659	972		9,8	18,7	27,5			



Replacement parts	Item description		Weight		Part No.
	kg	lb	kg	lb	
1.	Top sub with 3 O-rings				
	3 1/2"	API reg. pin	22	48,40	33-6L009/04CA
	#28	Cubex. pin	22	48,40	33-6L009/56CA
	3 1/2"	BECO. pin	22	48,40	33-6L009/55CA
2.	O-ring top sub OD (1)				In seal kit
3.	O-ring top sub ID (2)				In seal kit
4.		Check valve dart with spring	0,3	0,66	25-99002A
5.		Check valve dart spring	0,02	0,044	22-99072
6.		Check valve guide	0,3	0,66	39-68001
7.	Choke Set, Blank 1/8", 3/16", & 1/4"		0,12	0,264	29-68017A
8.		Feed tube retainer pin	0,2	0,44	12-99013
9.	Feed Tube With Retainer Pin and Blank Choke		1	2,2	37-68601A
10.		Piston	18	39,6	36-68J81
11.	Piston case with retainer ring		33	72,6	35-6LD68A
12.		Piston retainer ring	0,1	0,22	23-99028
13.	O-rings - guide sleeve, bit retainer (3)				In seal kit
14.		Guide sleeve with 2 O-rings (#13)	4	8,8	26-68J10A
15.		Bit retainer ring with O-ring (#13)	1	2,2	27-68006A
16.		Driver sub	6	13,2	34-6LD70
Seal Kit					
1	pieces of #2, 2 of #3 & 7 of #13		0,25	0,5	38-68656
Rebuild Kit					
1	piece of #1, 1 of #11, 1 of #16 & Seal kit				
	3 1/2"	API reg. pin	62	136,4	38-6LD09/04C
	#28	Cubex. pin	62	136,4	38-6LD09/56C
	3 1/2"	BECO. pin	62	136,4	38-6LD09/55C
Complete hammer					
	3 1/2"	API reg. pin top sub			32-5565-GMA/04C
	#28	Cubex. pin top sub			32-5565-GMA/56C
	3 1/2"	BECO. pin top sub			32-5565-GMA/55C
Bit shank					
M60					



	Weight		Outside diameter		Hammer length		Hammer length with bit				
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended		
							mm	inch	mm	inch	
	82	180	150	5,9	922	36,3	1008	39,7	1046	41,2	
	Air consumption, cfm				Air consumption, m3/min						
	150 psi		250 psi		10 bar		18 bar		24 bar		
	343		659		972		9,8		18,7		27,5



Replacement parts	Item description	Weight		Part No.
		kg	lb	
1.	Top sub with 3 O-rings			
	3 1/2" API reg. pin	22	48,40	33-68602/04CA
	#28 Cubex. pin	22	48,40	33-68602/56CA
	3 1/2" BECO. pin	22	48,40	33-68602/55CA
2.	O-ring top sub OD (1)			In seal kit
3.	O-ring top sub ID (2)			In seal kit
4.	Check valve dart with spring	0,3	0,66	25-99002A
5.	Check valve dart spring	0,02	0,044	22-99072
6.	Check valve guide	0,3	0,66	39-68001
7.	Choke Set, Blank 1/8", 3/16", & 1/4"	0,12	0,264	29-68017A
8.	Feed tube retainer pin	0,2	0,44	12-99013
9.	Feed Tube With Retainer Pin and Blank Choke	1	2,2	37-68601A
10.	Piston	18	39,6	36-68J81
11.	Piston case with retainer ring	33	72,6	35-68668A
12.	Piston retainer ring	0,1	0,22	23-99028
13.	O-rings - guide sleeve, bit retainer (3)			In seal kit
14.	Guide sleeve with 2 O-rings (#13)	4	8,8	26-68J10A
15.	Bit retainer ring with O-ring (#13)	1	2,2	27-68006A
16.	Driver sub	6	13,2	34-68670
Seal Kit				
	1 pieces of #2, 2 of #3 & 7 of #13	0,25	0,5	38-68656
Rebuild Kit				
	1 piece of #1, 1 of #11, 1 of #16 & Seal kit			
	3 1/2" API reg. pin	62	136,4	38-68602/04C
	#28 Cubex. pin	62	136,4	38-68602/56C
	3 1/2" BECO. pin	62	136,4	38-68602/55C
Complete hammer				
	3 1/2" API reg. pin top sub			32-5565-RMA/04C
	#28 Cubex. pin top sub			32-5565-RMA/56C
	3 1/2" BECO. pin top sub			32-5565-RMA/55C
Bit shank				
	M60			



	Weight		Outside diameter		Hammer length		Hammer length with bit			
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended	
							mm	inch	mm	inch
	82	180	150	5,9	922	36,3	1008	39,7	1046	41,2
	Air consumption, cfm				Air consumption, m3/min					
	150 psi		250 psi		10 bar		18 bar		24 bar	
	343		659		972		18,7		27,5	







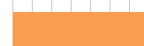






































Replacement parts Item description	Weight		Part No.
	kg	lb	
1. Top sub with 3 O-rings			
3 1/2" API reg. pin	20	44	33-68N08/04A
#28 Cubex. pin	20	44	33-68N08/56A
2. O-ring top sub OD (1)			In seal kit
3. O-ring top sub ID (2)			In seal kit
4. Check valve dart with spring	0,3	0,66	25-99002A
5. Check valve dart spring	0,02	0,044	22-99072
6. Check valve guide	0,3	0,66	39-68001
7. Choke Set, Blank 1/8", 3/16", & 1/4"	0,12	0,264	29-68017A
8. Feed Tube Retainer pin	0,2	0,44	12-99013
9. Tuning Ring (Optional)	0,4	0,9	56-68552
10. Feed Tube With Retainer Pin and Blank Choke	1	2,2	37-68301A
11. Piston	18	39,6	36-68J81
12. Piston case with retainer ring	33	72,6	35-68D14A
13. Piston retainer ring	0,1	0,22	23-99028
14. O-rings - guide sleeve, bit retainer (3 req.)			In seal kit
15. Guide sleeve with 2 O-rings (#13)	4	8,8	26-68J10A
16. Bit retainer ring with O-ring (#13)	1	2,2	27-68006A
17. Driver sub	6	13,2	34-68D69
Seal Kit			
1 pieces of #2, 2 of #3 & 7 of #14	0,25	0,5	38-68656
Rebuild Kit			
1 piece of #1, 1 of #12, 1 of #17 & Seal kit			
3 1/2" API reg. pin	20	44	38-68N08/04
#28 Cubex. pin	20	44	38-68N08/56
Complete hammer			
3 1/2" API reg. pin			32-5560-WMA/04S
#28 Cubex. Pin top sub			32-5560-WMA/56S
Bit shank			
M60			



	Weight		Outside diameter		Hammer length		Hammer length with bit			
	kg	lb	mm	inch	mm	inch	Bit closed		Bit extended	
							mm	inch	mm	inch
	72	158	142	5,6	922	36,3	1008	39,7	1046	41,2
Low volume option	Air consumption, cfm			Air consumption, m3/min						
	150 psi	250 psi	350 psi	10 bar	18 bar	24 bar				
	395	759	1120	11,2	21,5	31,7				
	345	680	1000	9,8	19,3	28,3				

BIT SELECTION GUIDE

FACES	CARBIDES	ROCK HARDNESS		ROCK STRUCTURE		ROCK ABRASIVENESS	
Concave	Ballistic	Very hard	Soft	Fissured	Homogeneous	Very abrasive	Non abrasive
							
							
Concave	Spherical	Very hard	Soft	Fissured	Homogeneous	Very abrasive	Non abrasive
							
							
Convex	Ballistic	Very hard	Soft	Fissured	Homogeneous	Very abrasive	Non abrasive
							
							
Convex	Spherical /Ballistic	Very hard	Soft	Fissured	Homogeneous	Very abrasive	Non abrasive
 	 						
Flat	Spherical	Very hard	Soft	Fissured	Homogeneous	Very abrasive	Non abrasive
							
							






Cemented carbides types specifications






This bit selection guide will help you select the right bit for the type of rock you are drilling,

Note: Cemented carbide grades DP55 and DP65 are available on several bits.





 Convex face with spherical gauge buttons and ballistic front buttons.

DTH BITS / M SHANKS

	mm		Air holes	Gauge buttons	Button dia. mm		Weight		Part No.	Shank
		inch			gauge	front	kg	lb		
M40										
Concave face / Ballistic button										M40
	115	4 1/2	2	8	14	14	8.4	18	42-481B115-R48	
	115	4 1/2	2	8	14	14	8.4	18	42-481B115-R55	
	127	5	2	8	14	14	12	26	42-481B127-R48	
Concave face / Spherical button										
	115	4 1/2	2	8	14	14	8.4	18	42-481B115-S48	
	115	4 1/2	2	8	14	14	8.4	18	42-481B115-S65	
	121	4 3/4	2	8	14	14	11	24	42-481B121-S48	
	121	4 3/4	2	8	14	14	11	24	42-481B121-S65	
	127	5	2	8	14	14	12	26	42-481B127-S48	
	130	5 1/8	2	8	16	13	14	31	42-481B130-S48	
Convex face / Ballistic button										
	115	4 1/2	2	8	14	14	8.4	18	42-485B115-R48	
	115	4 1/2	2	8	14	14	8.4	18	42-485B115-R55	
	127	5	2	8	14	14	12	26	42-485B127-R48	
	127	5	2	8	14	14	12	26	42-485B127-R55	
	130	5 1/8	3	9	16	14	14	31	42-48L9130-R48	
Flat face / Spherical button										
	115	4 1/2	2	8	14	14	8.4	18	42-48FB115-S48	
	127	5	2	8	14	14	12	26	42-48FB127-S48	
	130	5 1/8	2	8	16	14	14	31	42-48F9130-S48	

	mm		Air holes	Gauge buttons	Button dia. mm		Weight		Part No.	Shank
		inch			gauge	front	kg	lb		
M50										
Concave face / Ballistic button										M50
	140	5 1/2	2	8	16	14	15	33	42-5819140-R48	
	140	5 1/2	2	8	16	14	15	33	42-5819140-R55	
Concave face / Spherical button										
	140	5 1/2	2	8	16	14	15	33	42-5819140-S48	
	140	5 1/2	2	8	16	14	15	33	42-5819140-S65	
	146	5 3/4	2	8	16	14	16	35	42-5819146-S48	
	146	5 3/4	2	8	16	14	16	35	42-5819146-S65	
	152	6	2	8	18	16	17.1	38	42-581D152-S48	
	165	6 1/2	2	8	18	16	18	40	42-581D165-S48	
Convex face / Ballistic button										
	140	5 1/2	3	9	16	16	15	33	42-58LC140-R48	
	140	5 1/2	3	9	16	16	15	33	42-58LC140-R55	
	146	5 3/4	3	9	16	16	16	35	42-58LC146-R48	
	146	5 3/4	3	9	16	16	16	35	42-58LC146-R55	
Flat face / Spherical button										
	140	5 1/2	3	9	16	14	15	33	42-5829140-S48	
	140	5 1/2	3	9	16	14	15	33	42-5829140-S65	
	146	5 3/4	3	9	16	14	16	35	42-5829146-S48	
	152	6	3	9	18	16	17.1	38	42-582D152-S48	

DTH BITS / M SHANKS

SANDVIK RH510	Diameter		Air holes	Gauge buttons	Button dia. mm		Weight		Part No.	Shank
	mm	inch			gauge	front	kg	lb		
M60										
Concave face / Spherical button										
	152	6	2	8	18	18	21.8	48	42-681E152-S48	
	155	6 1/8	2	8	18	18	22.2	49	42-681E155-S48	
	155	6 1/8	2	8	18	18	22.2	49	42-681E155-S65	
	165	6 1/2	3	9	18	18	23.5	52	42-68DE165-S48	
	165	6 1/2	3	9	18	18	23.5	52	42-68DE165-S65	
	172	6 3/4	3	9	18	18	25	55	42-68DE172-S48	
	172	6 3/4	3	9	18	18	25	55	42-68DE172-S65	
203	8	3	9	18	18	29.1	64	42-68DE203-S48		
Convex face / Ballistic button										
	155	6 1/8	3	9	18	18	22.2	49	42-68LE155-R48	
	155	6 1/8	3	9	18	18	22.2	49	42-68LE155-R55	
	165	6 1/2	3	9	18	18	23.5	52	42-68GE165-R48	
	165	6 1/2	3	9	18	18	23.5	52	42-68GE165-R55	
	172	6 3/4	3	9	18	18	25	55	42-68GE172-R48	
172	6 3/4	3	9	18	18	25	55	42-68GE172-R55		
Flat face / Spherical button										
	165	6 1/2	3	9	18	18	23.5	52	42-682E165-S48	
	165	6 1/2	3	9	18	18	23.5	52	42-682E165-S65	
	172	6 3/4	3	9	18	18	25	55	42-682E172-S48	
	172	6 3/4	3	9	18	18	25	55	42-682E172-S65	
	178	7	3	9	18	18	26	57	42-682E178-S48	
203	8	3	9	18	18	29.1	64	42-682E203-S48		