

# SCX RE054

DESIGNED BY SANDVIK



## REVERSE CIRCULATION DOWN-HOLE HAMMERS

SCX offers a full range of reverse circulation hammers with integrated bits designed to offer a cost effective, heavy-duty sampling system for obtaining a continuous, high quality geological sample. By maximizing the energy output and minimizing air consumption, SCX's products can assist in providing you with excellent production rates resulting in low cost per meter drilling.

**Contact your SCX representative today.**

SCX recommends using only SCX quality manufactured parts. SCX does not guarantee the consistency or quality of other manufacturers.

### SPECIFICATIONS

Item	Diameter Ø	
	mm	in
Hammer	130	5 - 1/8
Bit	137 - 146	5-3/8 - 5-3/4

Exploration hammer best suited for harder ground conditions

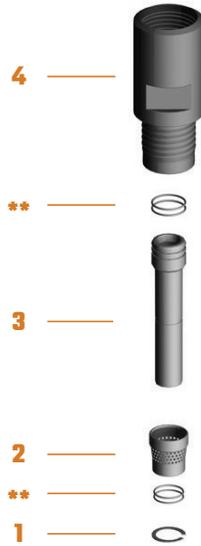


SCX RE054

Manufactured by Sandvik



**Top Sub Assembly - A**



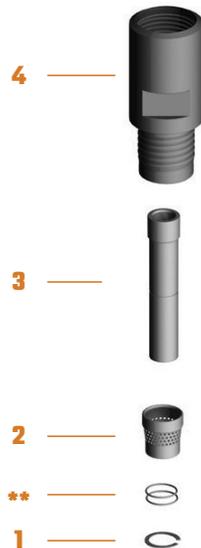
**HAMMER ASSEMBLIES**

Item	Part No	Description
1-20	32-054-R45	Hammer Assembly - 4.5" Remet
1-20	32-054R-R45	Hammer Assembly - 4.5" Remet Retention
1-20	32-054-M45	Hammer Assembly - 4.5" Metzke
1-20	32-054R-M45	Hammer Assembly - 4.5" Metzke Retention

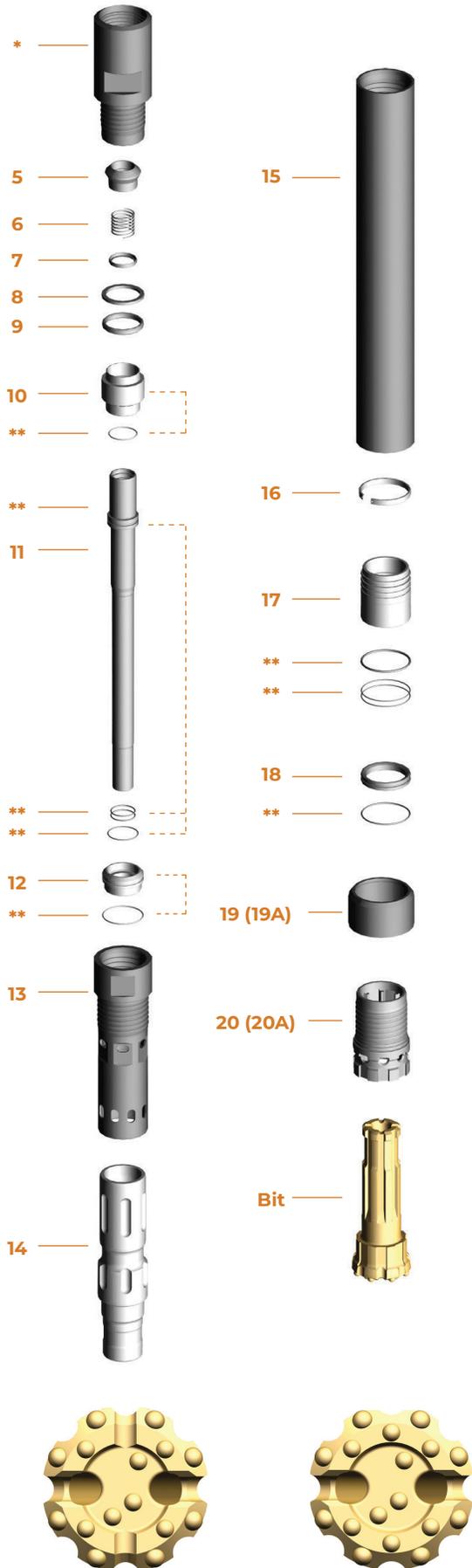
**TOP SUB ASSEMBLIES**

<b>A 4.5 inch Remet / 4.5 inch Remet Retention</b>			
1	BU00014723	Airscreen Retainer Clip	1
2	BU00015482	Airscreen	1
3	20-054-R45	Adapter Tube, Remet 4.5"	1
4	33-054-R45	Top Sub, Remet 4.5"	1

**Top Sub Assembly - B**



<b>B 4.5 inch Metzke / 4.5 inch Metzke Retention</b>			
1	BU00014723	Airscreen Retainer Clip	1
2	BU00015482	Airscreen	1
3	20-054-M45	Adapter Tube, Metzke 4.5"	1
4	33-054-M45	Top Sub, Metzke 4.5"	1



## HAMMER ASSEMBLY COMPONENTS

Item	Part No	Description	
*	-	Top Sub Assembly	1
5	25-054-000	Plunger	1
6	22-054-000	Spring	1
7	39-054-000	Spring Seat	1
8	24-054-000	Make-Up Ring, Steel	1
9	28-054-000	Make-Up Ring, Viton	1
10	29-054-000	Distributor	1
11	37-054-000	Sample Tube	1
12	30-054-000	Sample Tube Mount	1
13	31-054-000	Inner Cylinder	1
14	36-054-000	Piston	1
15	35-054-000	Piston Case	1
16	23-054-000	Piston Retaining Ring	1
17	26-054-000	Drive Sub Bush	1
18	27-054-000	Bit Retaining Ring	1
19	-	Shroud (Refer To Selection Table)	1
19A	-	Shroud Retention (Refer To The Selection Table)	1
20	16-054-000	Drive Sub	1
20A	16-054R-000	Drive Sub Retention	1

\* See previous page for top sub assembly breakdown

## OPTIONS

Item	Part No	Description	
**	38-054-001	Rubber Parts Kit (Sold Separately)	-

## DIAMOND ENHANCED BITS BIT/SHROUD SELECTION TABLE

Bit Part No	Bit Diameter		Shroud Part No	Shroud Diameter	
	mm	in		mm	in
62-054-510HFDE	143	5-5/8	40-054-509	141	5-9/16
62-054R-508HFDE	140	5-1/2	40-054R-507	138	5-7/16
62-054R-510HFDE	143	5-5/8	40-054R-509	141	5-9/16

SCX PCD Bits are available by special order, minimum order quantity of 5. Suit abrasive ground conditions and multiple bit changes in deep hole application. Please see your local SCX sales representative for details.

## BIT/SHROUD SELECTION TABLE

Bit Part No	Bit Diameter		Shroud Part No	Shroud Diameter	
	mm	in		mm	in
62-054-506DC	137	5-3/8	40-054-505	135	5-5/16
62-054-506HF	▶ 137	5-3/8	40-054-505	135	5-5/16
62-054-508DC	140	5-1/2	40-054-507	138	5-7/16
62-054-508HF	▶ 140	5-1/2	40-054-507	138	5-7/16
62-054-510DC	143	5-5/8	40-054-509	141	5-9/16
62-054-510HF	▶ 143	5-5/8	40-054-509	141	5-9/16
62-054-512DC	146	5-3/4	40-054-511	144	5-11/16
62-054-512HF	▶ 146	5-3/4	40-054-511	144	5-11/16
62-054-608****	▶ 165	6-1/2	40-054-607	163	6-7/16
62-054-708****	▶ 191	7-1/2	40-054-707	189	7-7/16

\*\*\*\* Bits used for collaring only

▶ Stocked bits, all others may be manufactured upon request.

DC = Soft Formations

HF = Hard Formations



## RETENTION BIT/SHROUD SELECTION TABLE

Bit Part No	Bit Diameter mm	Bit Diameter in	Shroud Part No	Shroud Diameter mm	Shroud Diameter in
62-054R-506HF	▶ 137	5-3/8	40-054R-505	135	5-5/16
62-054R-508HFDC	▶ 140	5-1/2	40-054R-507	138	5-7/16
62-054R-510HFDC	▶ 143	5-5/8	40-054R-509	141	5-9/16
62-054R-512HFDC	▶ 146	5-3/4	40-054R-511	144	5-11/16

▶ Stocked bits, all others may be manufactured upon request.

## SPECIFICATIONS

Description	Metric mm	Imperial in
Piston Case OD	130	5-1/8
Spanner Flat Width (A/F) Inner Cylinder	118.5	4-1/16
Spanner Flat Width (A/F) Top Sub	100	3-15/16
Hammer Length Less Bit	1,252	49-5/16
Bit Range	137 - 146	5-3/8 - 5-3/4
Fits Drill Rod	115	4 1/2

Recommended Pressure	Metric bar	Imperial psi
	24 - 34	350 - 500

Weight	Metric kg	Imperial lb
Hammer Assembly	76	167
Drill Bit	18	39

## AIR CONSUMPTION

Pressure		Consumption RE054	
psi	bar	cfm	m <sup>3</sup> /min
250	17.2	550	16.1
300	20.7	660	19.3
350	24.1	750	21.9
400	27.5	830	24.3
450	31.0	925	27.0
500	34.5	1,030	30.1

