

SCX RE040

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	121	4 - 3/4
Bit	130 - 140	5-1/8 - 5-1/2

Ideal for grade control or shallow pre-collar holes in harder ground

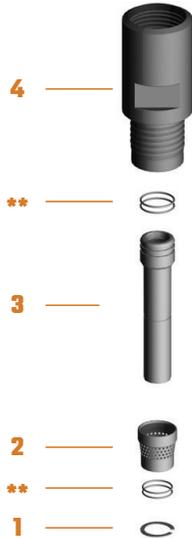


SCX RE040

Manufactured by Sandvik



Top Sub Assembly - A



HAMMER ASSEMBLIES

Item	Part No	Description
1-20	32-040-R40	Remet 4 inch
1-20	32-040-R45	Remet 4.5 inch
1-20	32-040-MR40	Metzke 4 inch (54 mm)
1-20	32-040-M40	Metzke 4 inch (57 mm)
1-20	32-040-M45	Metzke 4.5 inch

TOP SUB ASSEMBLIES

A 4 inch Remet

1	41-D1400-0450	Circlip	1
2	21-040-00B	Airscreen, Bottom Load	1
3	20-052-R40	Adapter Tube, Remet 4"	1
4	33-040-R40	Top Sub, Remet 4"	1

B 4.5 inch Remet

1	41-D1300-0850	Circlip	1
1A	41-D1400-0520	Circlip	1
2	21-040-00T	Airscreen, Top Load	1
3	20-040-R45	Adapter Tube, Remet 4.5"	1
4	33-040-R45	Top Sub, Remet 4.5"	1

C 4 inch Metzke (54mm)

1	41-D1400-0450	Circlip	1
2	21-040-00B	Airscreen, Bottom Load	1
3	20-040-MR40	Adapter Tube, Metzke 4" (54mm)	1
4	33-040-M40	Top Sub, Metzke 4"	1

C 4 inch Metzke (57mm)

1	41-D1400-0450	Circlip	1
2	21-040-00B	Airscreen, Bottom Load	1
3	20-040-M40	Adapter Tube, Metzke 4" (57mm)	1
4	33-040-M40	Top Sub, Metzke 4"	1

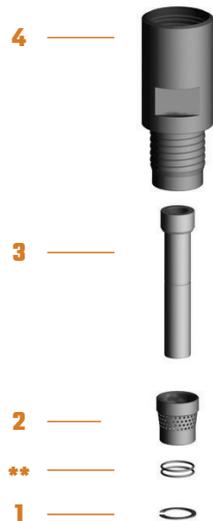
C 4.5 inch Metzke (57mm)

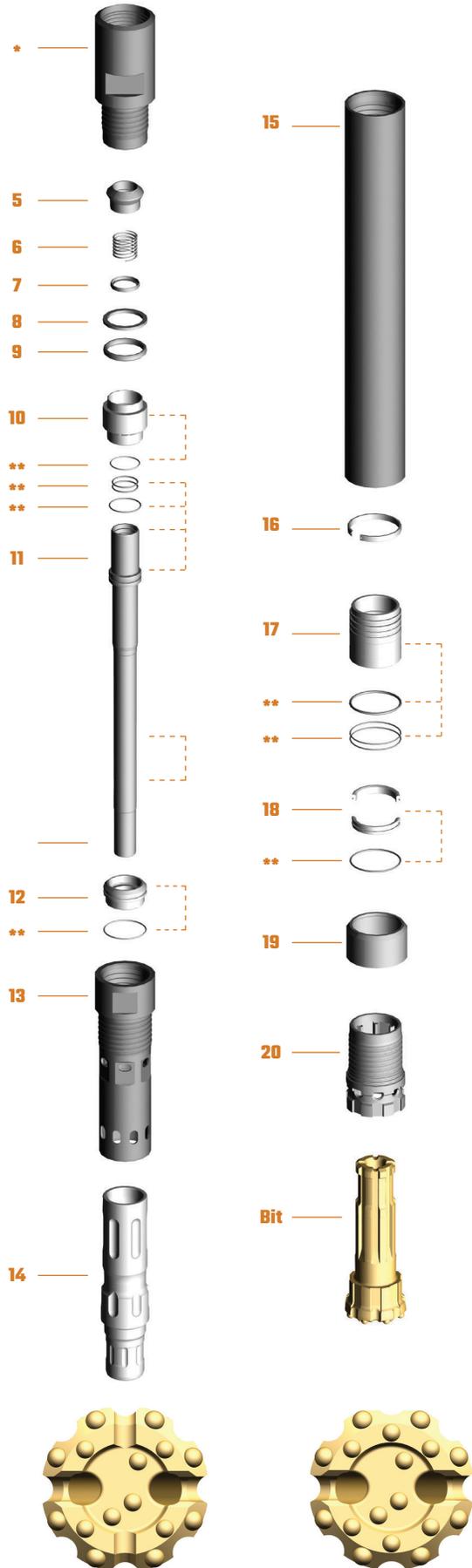
1	41-D1400-0450	Circlip	1
2	21-040-00B	Airscreen, Bottom Load	1
3	20-040-M45	Adapter Tube, Metzke 4.5"	1
4	33-040-M45	Top Sub, Metzke 4.5"	1

Top Sub Assembly - B



Top Sub Assembly - C





DC = Soft Formations

HF = Hard Formations

HAMMER ASSEMBLY COMPONENTS

Item	Part No	Description	
*	-	Top Sub Assembly	1
5	25-052-000	Plunger	1
6	22-040-000	Spring	1
7	39-040-000	Spring Seat	1
8	24-040-000	Make-Up Ring, Steel	1
9	28-040-000	Make-Up Ring, Viton	1
10	29-040-000	Distributor	1
11	37-040-000	Sample Tube	1
12	30-040-000	Sample Tube Mount	1
13	31-040-000	Inner Cylinder	1
14	36-040-000	Piston	1
15	35-040-000	Piston Case	1
16	23-040-000	Piston Retaining Ring	1
17	26-040-000	Drive Sub Bush	1
18	27-040-000	Bit Retaining Ring	1
19	-	Shroud (Refer To Selection Table)	1
20	16-040-000	Drive Sub	1

* See previous page for top sub assembly breakdown

OPTIONS

Item	Part No	Description
**	38-040-001	Rubber Parts Kit

BIT/SHROUD SELECTION TABLE

Bit Part No	Bit Diameter mm	Bit Diameter in	Shroud Part No	Shroud Diameter mm	Shroud Diameter in
62-040-502DC	130	5-1/8	40-040-501	128	5-1/16
62-040-502HF	130	5-1/8	40-040-501	128	5-1/16
62-040-504DC	133	5-1/4	40-040-503	131	5-3/16
62-040-504HF	▶ 133	5-1/4	40-040-503	131	5-3/16"
62-040-506DC	137	5-3/8	40-040-505	135	5-5/16
62-040-506HF	▶ 137	5-3/8	40-040-505	135	5-5/16
62-040-508DC	140	5-1/2	40-040-507	138	5-7/16
62-040-508HF	▶ 140	5-1/2	40-040-507	138	5-7/16
62-040-608****	▶ 165	6-1/2	40-040-607	163	6-7/16
62-040-708****	▶ 191	7-1/2	40-040-707	189	7-7/16

**** Bits used for collaring only

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

DIAMOND ENHANCED BITS / BIT/SHROUD SELECTION TABLE

Bit Part No	Bit Diameter mm	Bit Diameter in	Shroud Part No	Shroud Diameter mm	Shroud Diameter in
62-040-504HFDE	133	5-1/4	40-040-503	131	5-3/16
62-040-508HFDE	140	5-1/2	40-040-507	138	5-7/16

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.



SPECIFICATIONS

Description	Metric mm	Imperial in
Piston Case OD	121	4-3/4
Spanner Flat Width (A/F) Top Sub	94	3-11/16
Spanner Flat Width (A/F) Inner Cylinder	105	4-1/8
Hammer Length Less Bit	1,210	47-5/8
Bit Range	130 - 140	5-1/8 - 5-1/2
Fits Drill Rod	102 - 115	4 - 4-1/2

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

Weight	Metric kg	Imperial lb
Hammer Assembly	72	159
Drill Bit	13	28

AIR CONSUMPTION

Pressure		Consumption RE040	
psi	bar	cfm	m ³ /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

