

Reverse Circulation Hammer

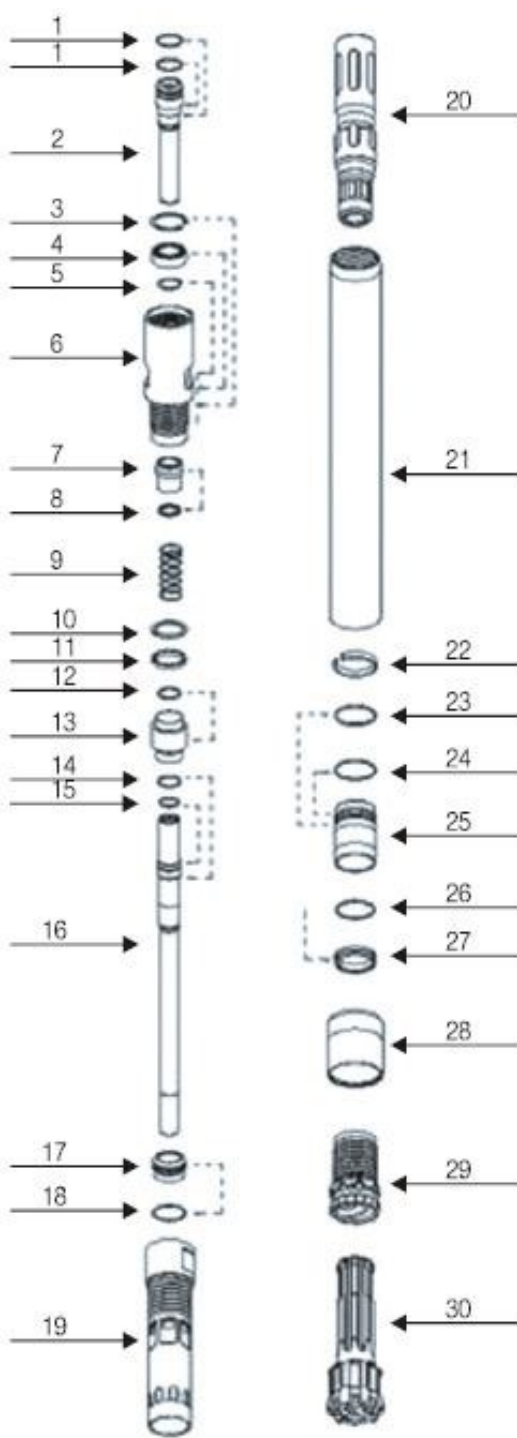


Application Range	Mining and Geological exploration
Design Principles	Design based on high Impact energy output with low air consumption offers a cost effective hammer
Outstanding Advantages	High impact frequency and penetration rate, the low air consumption with high crushing function, easy precise high quality geological samples. overall low cost per feet drilling

Reverse Circulation Hammer Accessories



MDRC 5 Hammer

	Item Description	Part Number
	1、 O-Ring	12605038
	2、 Adaptor Tube	12605021
	3、 Hole Ring	12605028
	4、 Air Screen	12605026
	5、 Axle Ring	12605029
	6、 Top Sub	12605027
	7、 Check Valve	12605022
	8、 Bowl Shape Ring	12605030
	9、 Spring	12605025
	10、 Steel Pad Ring	12605024
	11、 Rubber Ring	12605023
	12、 O-Ring	12605036
	13、 Air Distribution Seat	12605018
	14/15、 O-Ring	12605034/12605035
	16、 Sample Tube	12605017
	17、 Tube Seat	12605020
	18、 O-Ring	12605037
	19、 Inner Cylinder	12605019
	20、 Piston	12605016
	21、 Outer Cylinder	12605010
	22、 Check Ring	12605015
	23/ 24、 O-Ring	12605032/12605033
	25、 Bush Drive Sub	12605013
	26、 O-Ring	12605031
	27、 Chuck Ring	12605014
	28、 Sleeve Protector	12605011
	29、 Chuck Sleeves	12605012
	30、 Drill Bit	

MDRC 5 DTH Hammer Technical Parameters

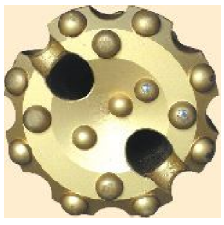
	Technical Parameters	
Description	MDRC5	
Product Code	MDRC1260501	
Outside Connection	127mm / (5")	
Length without Bit	1272mm / (50")	
Weight	67 kg / 147.7 lb.	
Flat Wrench	94 mm / (3.70")	
Rec.Hole Size	140-160 mm / (5.50")–(6.30")	
Working Pressure	125-250 PSI /8.6 – 17.24 BAR	
Impact Frequency	1500 BPM @250 PSI	
Normal Axial Pressure	2068 ft-lb	
Recommended Rotation Speed	30-50 RPM	
Air Consumption	@175PSI @ 12 BAR	290 CFM 137 L/S 8.2 M ³ /MIN
	@250 PSI @17.2 BAR	526 CFM 250 L/S 14.9 M ³ /MIN
	@350 PSI @24 BAR	825 CFM 390 L/S 23.3 M ³ /MIN

Reverse Circulation Bits



Examples for Ordinary Bits

Concave, Spherical (Other designs of faces and inserts are available)

	Bit Dia.	Qty.×Button Dia. (mm)		Qty.Air Holes	Weight	Part No.
		Outer	Front			
	140 mm (5.51")	8×16	6×16+3×14	2	15 kg 33 lb.	MRCB1401702
	143 mm (5.63")	8×16	6×16+3×14	2	16 kg 35.3 lb.	MRCB1431702
	146 mm (5.75")	8×16	6×16+3×14	2	18 kg 39.7 lb.	MRCB1461702
	152 mm (6")	8×16	6×16+3×14	2	23 kg 50.7 lb.	MRCB1521702
	190 mm (7.5")	8×18	6×18+4×16	2	40 kg 88.2 lb.	MRCB1901802