

8" QL8&380 MD HAMMER-HMDHQ80&HMDHD380

HMDHQ80&HMDHD380:

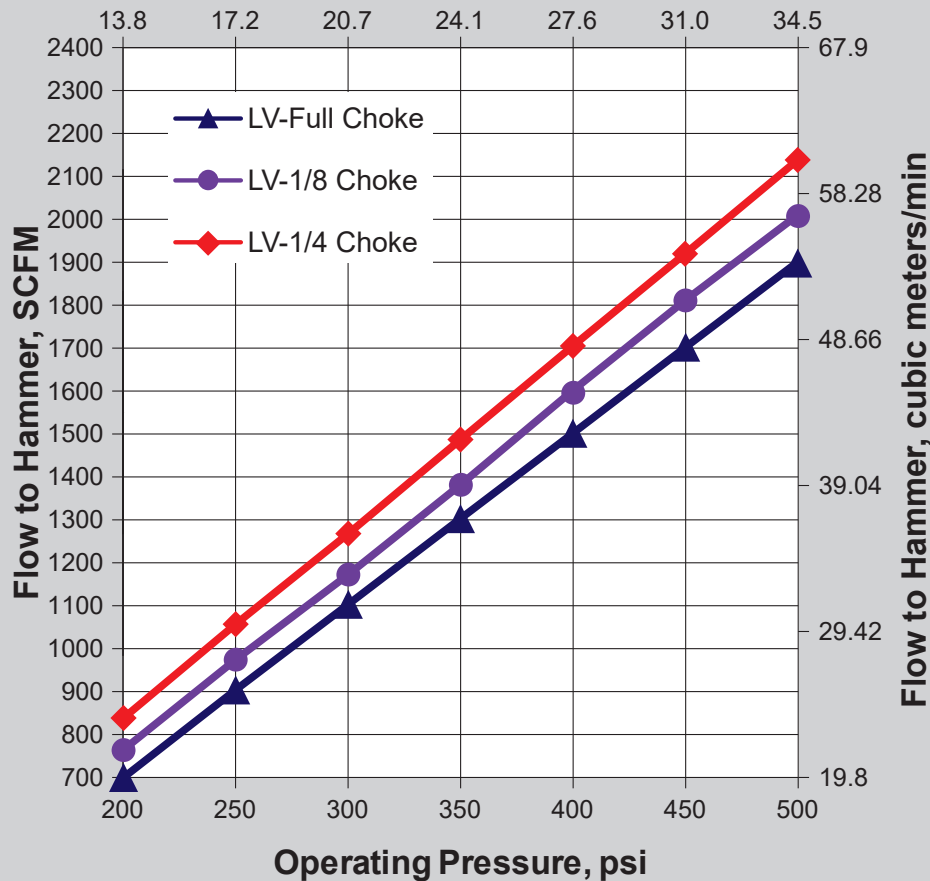
This High Performance Hammer was designed with production drilling in mind. It is designed best for Water Well and Geothermal drilling, but can be used in blast hole drilling applications.

The **HMDHQ80&HMDHD380's** non-ported, air craft quality steel piston is the only moving part in the hammer which limits internal wear and yields maximum penetration rates. Its wearsleeve is reversible and double heat treated for maximum life.



HMDHQ80&HMDHD380 Hammer Air Table

Operating Pressure, Bar



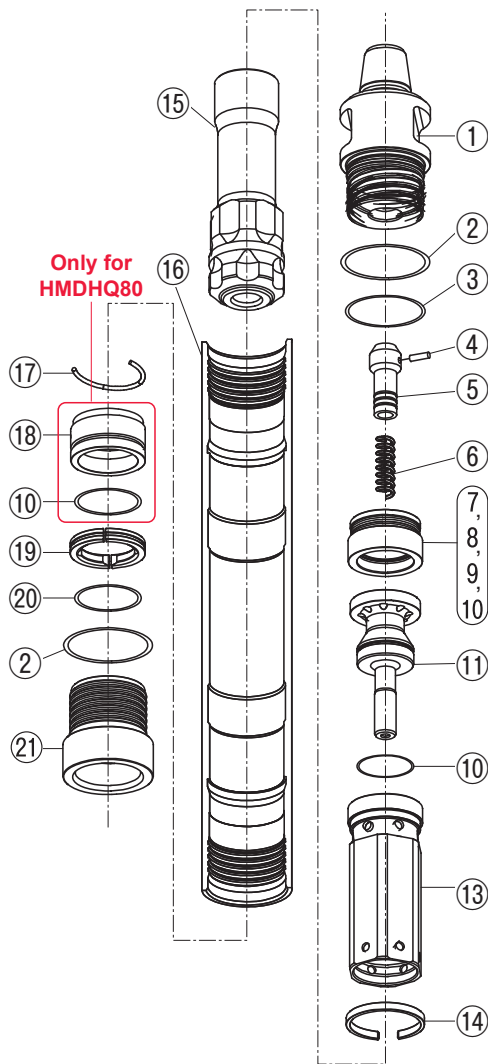
Hammer Specification

	English	Metric
Outside Dia	7.10 in	180 mm
Overall Length Without Bit		
HMDHD380 Models	56.9 in	1445 mm
HMDHQ80 Models	56.2 in	1427 mm
Operating Length API Shoulder to Bit Face		
HMDHD380 Models	57.7 in	1542 mm
HMDHQ80 Models	57.0 in	1524 mm
Total Weight	414 lbs	188 kg
Bore Size	5.87 in	149 mm
Piston Weight	78 lbs	35 kg
Drillpipe Connect	4-1/2 Reg API Pin Up others available upon request	
Wrench Flats	5.9 in	150 mm
Hole Size Range All Models	7-7/8 in to 10 in	200 mm to 254 m
Bit Shank Required		
HMDHD380 Models	380	
HMDHQ80 Models	QL8	
Minimum Air Volume Required	500 cfm	14 cmm
Maximum Operating Pressure All Models	500 psi	34 bar

Parts List

Shown at the right side of the chart is the quantity of spare parts that should be kept on hand. Level 1 is for water well drilling, Level 3 is for high production drilling.

HMDHQ80 & HMDHD380



ITEM No	PART No	QTY REQD	PART NAME	WEIGHT		SPARE PARTS ON HAND		
				LBS	KGS	LEVEL 1	LEVEL 2	LEVEL 3
1	HP-BKH-MD803-0020	1	Back Head, 4 1/2" API Reg. Pin Up	98	44.5	—	—	1
2	HP-BOW-0041	2	Washer, Breakout	0.03	0	—	2	4
3	HP-ORG-BKH-0103	1	O-Ring for Back Head	0.01		1	2	4
4	HP-CST-0054	1	Choke Set	0.01		—	—	—
5	HP-CKV-RH8-0049	1	Check Valve Body	1.2	0.55	—	—	1
6	HP-CVS-0051	1	Spring, Check Valve	0.3	0.14	—	1	2
7	HP-GUR-0087	1	Disc Spring Guide Ring	4.3	1.95	—	—	—
8	HP-DSC-0079	4	Disc Spring	0.22	0.1	—	—	4
9	HP-SPT-0149	1	Spacer Ring	4.4	2	—	—	—
10	HP-ORG/GUR-0118	3 or 2	O-Ring for Guide Ring, Bearing & Air Dist 3 for HMDHQ80, 2 for HMDHD380	0.01		3 or 2	6 or 4	9 or 6
11	HP-ADB-MD80-0009	1	Air Distributor	4.5	2.05	—	—	1
12	part not used in this hammer							
13	HP-CLD-MD80-0077	1	Cylinder, Assembly	7	3.2	—	1	2
14		1	RETAINING RING, COMES ON CYLINDER 13	0.45	0.2	—	—	—
15	HP-PST/LOW-MD80Q1-0129	1	Piston for HMDHQ80	78	35.5	—	1	1
15	HP-PST/LOW-MD80R1-0130	1	Piston for HMDHD380	78	35.5	—	1	1
16	HP-WSV-MD80-0166	1	Wear Sleeve	139	63.2	1	2	3
17	HP-RRG/PST-0142	1	Retaining Ring, Piston	0.24	0.109	—	—	—
18	HP-BRG-MD80-0028	1	Bearing	6.7	3.045	—	1	1
18	part not used in HMDHD380							
19	HP-BRR-0036	1	Bit Retaining Ring	3.2	1.455	—	1	1
20	HP-ORG/BRR-0111	1	O-Ring for Bit Retaining Ring	0.01		2	4	6
21	HP-CHK-MD80Q-0067	1	Chuck for HMDHQ80	25.8	11.7	2	4	6
21	HP-CHK-MD80R-0068	1	Chuck for HMDHD380	25.8	11.7	2	4	6
THE FOLLOWING PARTS ARE SOLD SEPARATE								
—	HP-MUW-0206		Washer, Make-Up					1
—	HP-RBDKIT-MD80QLV-0197		Rebuild Kit for HMDHQ80					1
—	HP-RBDKIT-MD80LV-0199		Rebuild Kit for HMDHD380					1

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