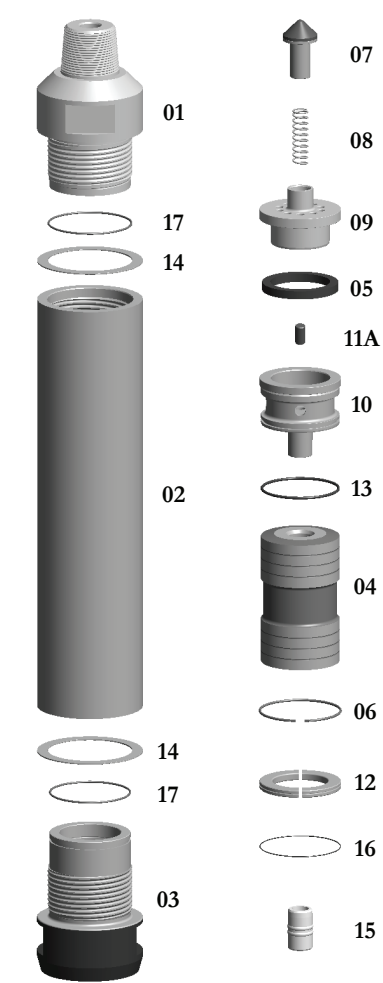




Replacement Parts			
Hmr Part #	Description	Order #	Weight (lbs.)
12-01	Top Sub 6-5/8" API REG PIN w/O-Ring	E12-01	280.0
12-17	**Replacement O-Ring for Top Sub**	E12-17	0.1
12-02	Piston Case w/Retainer Ring	E12-02	440.0
12-06	**Replacement Retainer Ring for Piston Case**	E12-06	0.4
12-03	Driver Sub w/O-Ring	E12-03	120.0
12-17	**Replacement O-Ring for Driver Sub**	E12-17	0.1
12-04	Piston	E12-04	165.0
12-05	Make Up Ring	E12-05	0.8
12-07	Check Valve Dart	E12-07	3.0
12-08	Check Valve Dart Spring	E12-08	0.3
12-09	Check Valve Guide	E12-09	30.0
12-10	Rigid Valve w/O-Ring	E12-10	32.0
12-13	**Replacement O-Ring for Rigid Valve**	E12-13	0.1
12-11	Choke Set (4)	E12-11	1.6
12-11A	Blank Choke	E12-11A	0.4
12-11B	1/8" Choke	E12-11B	0.4
12-11C	1/4" Choke	E12-11C	0.4
12-11D	3/8" Choke	E12-11D	0.4
12-12	Bit Retainer Ring w/O-Ring	E12-12	7.0
12-16	**Replacement O-Ring for Bit Retainer Ring**	E12-16	0.1
12-14	Breakout Ring (2)	E12-14	1.0
12-15	Foot Valve	E12-15	0.1

		Outside Diameter		Hammer Length Pin			Bit Size Range		
		IN.	MM.	IN.	MM.		IN.	MM.	
Drill 12		10-3/4	273	59-15/32	1505.5		11-7/8-20	302-458	
Choke Size		100	6.9	150	10.3	200	13.8	250	17.2
IN.	MM.	PSI	BARS	PSI	BARS	PSI	BARS	PSI	BARS
Blank	Blank	740	20.96	1100	31.15	1550	43.90	1900	53.81
1/8	3.18	755	21.38	1125	31.86	1580	44.75	1940	54.94
1/4	6.35	805	22.80	1190	33.70	1670	47.29	2020	57.21
3/8	9.53	885	25.06	1300	36.82	1815	51.40	2165	61.31
1/2	12.70	1000	28.32	1490	42.20	2030	57.49	2380	67.40

The above air charts are based upon ideal conditions, your results may vary.