

12"

MACH 122

One piece top-adaptor reduces internal parts. No make up required. External N.R.V. for easy maintenance.

Simplified piston geometry for improved balance and location within the cylinder.

Revised chamber volumes and cycle timing to optimize performance.

A100-15/SD12 shank reduces contact stresses and wear rates.



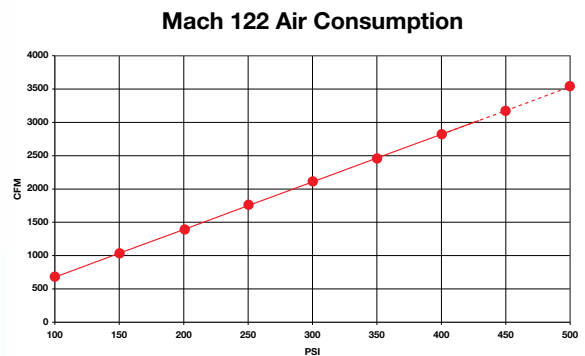
The Mach 122 accepts A100-15 (SD12) shank bits and works over a wide pressure range with an optimum performance reached at air pressures of 200 psi (14 bar) and above as its higher air consumption provides increased uphole velocity, particularly when using oversized diameter drill bits.

Mach 122 has a one piece top-adaptor with N.R.V. (Non-Return-Valve) fitted for easy inspection and service, with integral finger to reduce maintenance and eliminate shimming which increases service intervals. Mach 122 has no liner which increases the 140 kg piston blow energy and reduces parts required. This hammer is suitable for use with overburden systems.

Suitable for operation at air pressures of 100 - 435 psi (7 - 30 bar).

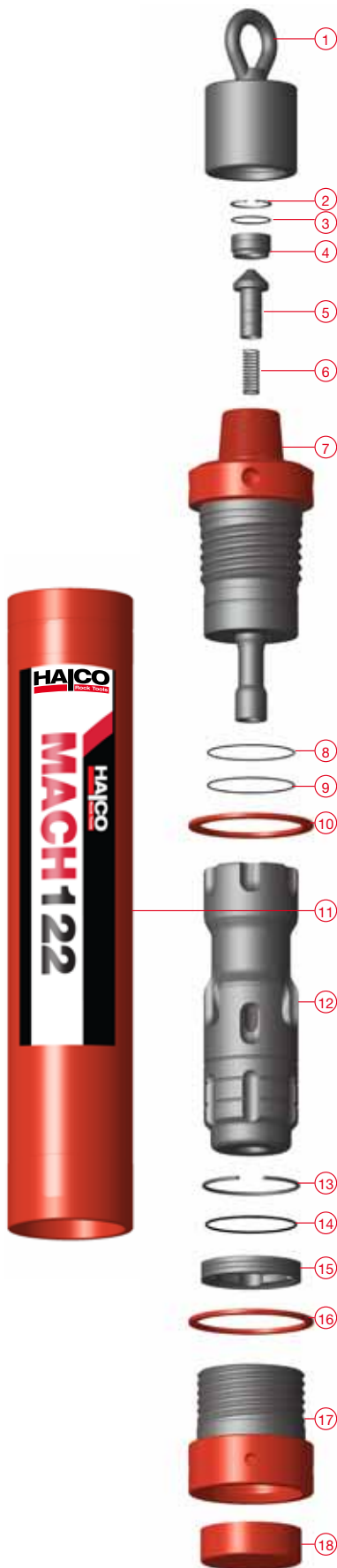
Drilling diameters of 300 - 445mm (11 7/8 - 17 1/2").

Air Consumption



Available Shanks

Sandvik Mission A100-15/SD12



Hammer Overview

Hammer Type	Mach 122
Part Number	600110
Shank	Sandvik Mission
	A100-15/SD12
Top Thread	6 .5/8" Api Reg Pin
Flat Hammer Size	N/A
Weight	614 Kg
Outside Diameter	273mm (10.748")
Make Up Length	1667mm (65.629")
Recommended Minimum Thrust	1600 Kg (3520 Lbs)
Recommended Maximum Thrust	3500 Kg (7700 Lbs)

Parts List

Hammer Type		Mach122		
Shank		A100-15 / SD12	SK12	RK19
Model Number		600110	Contents	
Item	Description	Part Number	Quantities	
1	Lifting Cap	602354	-	-
2	Circlip	777001	2	2
3	O'Ring	768133	2	2
4	N.R.V. Seat	602286	-	1
5	Non Return Valve	602288	-	1
6	N.R.V. Spring	760055	2	2
7	Top-Adaptor	602639	-	-
8	O'Ring	768137	2	2
9	O'Ring	768137	2	2
10	Top-Adaptor Spacer	602366	1	1
11	Cylinder	602425	-	-
12	Piston	602047	-	-
13	Snap Ring	783021	2	2
14	Containment Band	768105	-	-
15	Bit Retaining Ring	602102	-	1
16	Chuck Spacer	602366	1	1
17	Chuck	602052	-	1
18	End Cap	741035	-	-
SK	Service Kit	SK12		
RK	Repair Kit	RK19		
	Foot Valve	601811		
	F/V Tool - Body	601812		
	F/V Tool - Pusher	601813		

Drill Bits

Part Number	Diameter		Face		Buttons Qty	Over Size	Weight (Kg)
	mm	Inch	Design	Type			
Halco/ Sandvik Mission A100-15/SD12 Shank							
650874	300	11.7/8	Convex	Domed	29 x 20mm		138
650383	311	12.1/4	Concave	Domed	31 x 20mm		133.5
650988	381	15	Concave	Domed	65 x 20mm D / 18 x 16mm W		208
653138	406	16	Concave	Domed	74 x 20mm D / 18 x 16mm W		210
650376	445	17.1/2	Concave	Domed	79 x 20mm	Y	245

Halco Rock Tools
Quality Management System
is Certified to ISO9001: 2008
Certificate No: LRQ 0850659



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