

4"

SUPER DOMINATOR 450

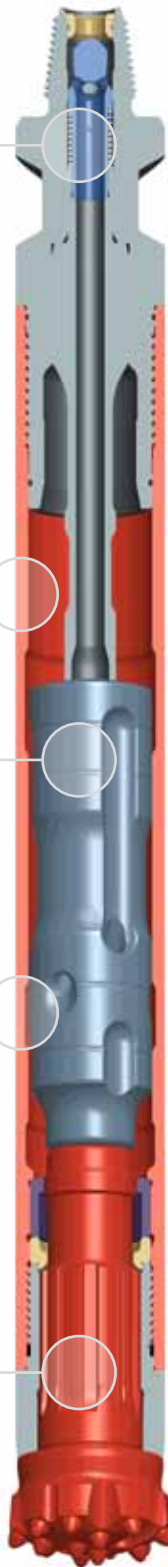
One piece top-adaptor reduces internal parts. No make up required. External N.R.V. for easy maintenance.

Revised chamber volumes and cycle timing to optimize performance.

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

Revised cylinder porting to maximise air flow efficiency.

Halco Super Dominator 450 shank reduces contact stresses and wear rates.



The Super Dominator 450 has been specifically designed for high production drilling in blast-hole applications.

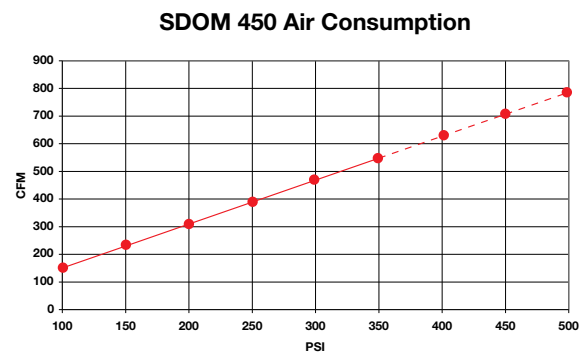
The hammer is robust and has few parts, making it user friendly and reliable. The Super Dominator 450 is fitted with a non-return-valve in top-adaptor for quick and easy inspection and maintenance operations. A fixed air distributor in the top-adaptor body means the Super Dominator 450 requires no shimming which simplifies servicing. The Super Dominator 450 has no liner which increases the piston power output.

The Super Dominator 450 utilizes Halco's all new 12 spline shank which has simplistic robust geometry combined with increased drive contact area. The Super Dominator 450 can be also used with the IR340A/Atlas Copco Cop 44.

Suitable for operation at air pressures of 100 - 350 psi (7 - 24 bar).

Drilling diameters of 110mm - 127mm (4 5/16 - 5").

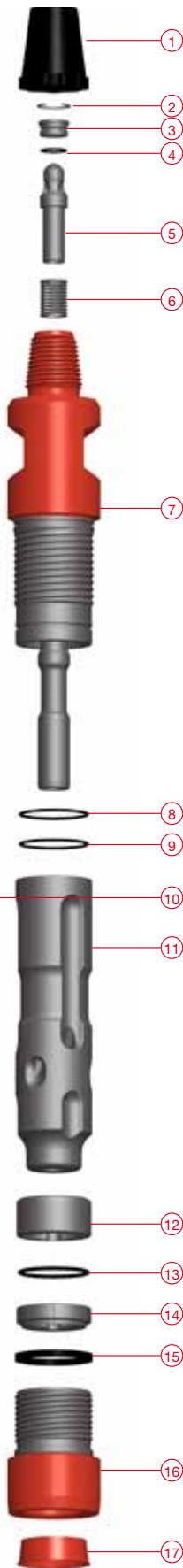
Air Consumption



Available Shanks

Halco Super Dominator 450 (NT4)

IR 340A/Atlas Copco Cop 44



Hammer Overview

Hammer Type	Super Dominator 450	Super Dominator 450
Part Number	600382	600384
Shank	Halco Super Dominator 450	IR DHD 340
Top Thread	2.3/8" API REG PIN	2.3/8" API REG PIN
Hammer Flat Size	65mm (2.560")	65mm (2.560")
Weight	38.5 Kg	38.5 Kg
Outside Diameter	100.5mm (3.956")	100.5mm (3.956")
Make Up Length	914mm (35.984")	914mm (35.984")
Recommended Minimum Thrust	250 Kg (550 lbs)	250 Kg (550 lbs)
Recommended Maximum Thrust	500 Kg (1100 lbs)	500 Kg (1100 lbs)

Parts List

Super Dominator 450	Super Dominator 450	SK59	RK93
Shank	Halco	IR 340A/Cop44	
Model Number	600382	600384	Contents
Item	Description	Part Number	Quantities
1	Thread Protector	200111	200111 - -
2	Snap Ring	783049	783049 2 2
3	N.R.V. Seat	603919	603919 - 1
4	O'Ring	768187	768187 2 2
5	Non Return Valve	603918	603918 - 1
6	N.R.V. Spring	760142	760142 2 2
7	Top-Adaptor	603946	603946 - -
8	O'Ring	768190	768190 2 2
9	O'Ring	768190	768190 2 2
10	Cylinder	604387	604387 - -
11	Piston	604392	604392 - -
12	Bit Guide Bush	604314	- - 1
13	O'Ring	768189	- 2 2
14	Bit Retaining Ring	603948	604414 - 1
15	Chuck Lock Ring	602733	602733 2 2
16	Chuck	603939	604415 - 1
17	End Cap	741019	741046 - -
	Foot Valve	603951	601773
	F/V tool - body	604020	601643
	F/V tool - pusher	601644	601644
	Service Kit	SK59	SK67
	Repair Kit	RK93	RK102

Drill Bits

Part Number	Diameter mm	Inch	Face Design	Type	Buttons Qty/Dia	Over Size	Weight (Kg)
Halco Super Dominator 450							
653217	110	4.5/16	Convex	Ballistic	14 x 14mm		7.96
653223	110	4.5/16	Convex	Domed	14 x 14mm		7.96
653209	115	4.1/2	Convex	Ballistic	15 x 14mm		8.13
653197	127	5	Convex	Ballistic	18 x 14mm	Y	9.05
653268	127	5	Concave	Domed	8 x 13mm + 8 x 14mm	Y	8.75
IR DHD 340A Shank/Atlas Copco Cop 44							
650950	108	4.1/4	Convex	Domed	15 x 13mm		8
650968	108	4.1/4	Convex	Semi-Ballistic	15 x 13mm		10
650949	110	4.5/16	Convex	Domed	15 x 13mm		8.1
650961	110	4.5/16	Convex	Semi-Ballistic	15 x 13mm		8.1
653091	110	4.5/16	Convex	Parabolic	14 x 14mm		8.5
650526	115	4.1/2	Convex	Domed	16 x 13mm		8.2
650625	115	4.1/2	Concave	Domed/Semi-Ballistic	8 x 14mm D/6 x 13mm S/B		8.2
650955	115	4.1/2	Flat	Domed	8 x 14mm/10 x 13mm		8.3
650967	115	4.1/2	Convex	Semi-Ballistic	16 x 13mm		8.5
650680	120	4.3/4	Concave	Domed/Semi-Ballistic	8 x 13mm/8 x 13mm		10
650612	121	4.3/4	Convex	Semi-Ballistic	14 x 13mm		9.5
650611	127	5	Concave	Domed	16 x 13mm	Y	9.5
650966	127	5	Concave	Semi-Ballistic	16 x 13mm	Y	9.6
650013	127	5	Convex	Domed	16 x 13mm	Y	10.6
650614	130	5.1/8	Concave	Domed/Semi-Ballistic	8 x 14mmD/8 x 13mm S/B	Y	10.1
650675	130	5.1/8	Convex	Semi-Ballistic	16 x 13mm	Y	9.2
653094	140	5.1/2	Concave	Domed	9 x 16mm/9 x 14mm	Y	11.8

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



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