

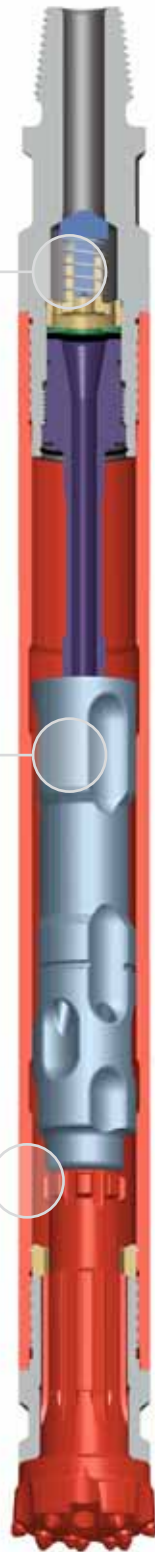
3"

MACH 303

Top-adaptor with integral N.R.V. (Non-Return-Valve) replaceable air distributor.

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

Revised chamber volumes and cycle timing to optimize performance.

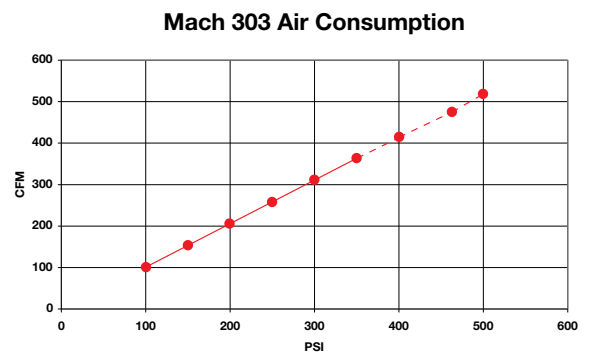


Mach 303 is a general purpose hammer for small hole drilling used in applications such as seismic, geological survey, micro-piling, floor, wall and roof-bolting or for blast-holes where environmental considerations limit hole size and blasting procedures. The Mach 303 uses less air than most other 3 inch hammers in its range which allows you to use a smaller compressor and gain in economy. The hammer is suitable for drilling at a wide range of air pressures in both soft and hard rock conditions.

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

Drilling diameters of 85 - 100mm (3 3/8 - 4").

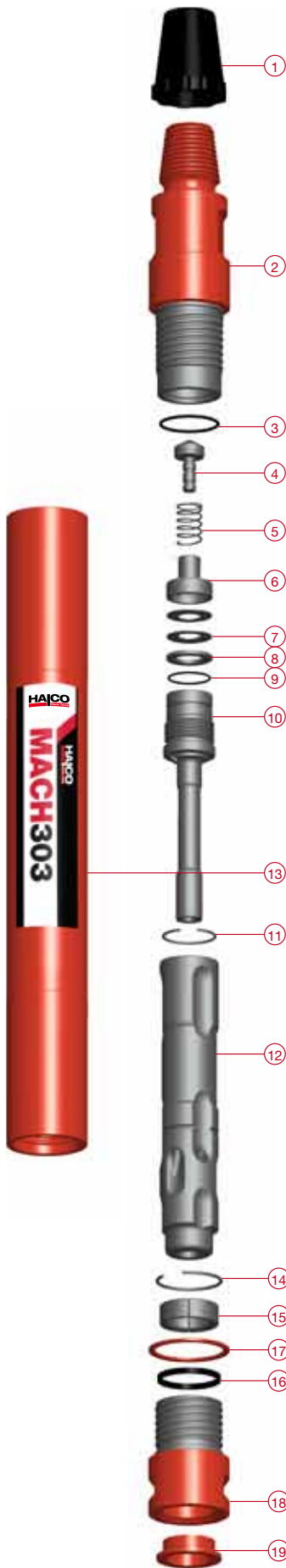
Air Consumption



Figures are based on theoretical data

Available Shanks

Halco Mach 303



Hammer Overview

Hammer Type	Mach 20	Mach 20
Part Number	600169	600209
Shank	Halco Mach 20	Halco Mach 20
Top Thread	50mm DIN 405 6TPI BOX	40mm DIN 405 6TPI BOX
Hammer Flat Size	48mm (1.890")	48mm (1.890")
Weight	13 Kg	13 Kg
Outside Diameter	62mm (2.7/16")	62mm (2.7/16")
Make Up Length	840mm (33")	840mm (33")
Recommended Maximum Thrust	150 Kg (330 lbs)	150 Kg (330 lbs)

Parts List

Hammer Type	Mach 20		
Shank	Halco		
Model Number	600169	600209	
Item	Description	Part Number	
1	Thread protector	200002	200005
2	Top-Adaptor	602715	602837
3	Wear spacer (Optional)	602726	602726
4	N.R.V.	602727	602727
5	N.R.V. spring	760111	760111
6	N.R.V. housing	602720	602720
7	Valve Centraliser	602724	602724
8	Valve	602725	602725
9	Solid bleed plug (Standard)	732025	732025
	3mm bleed plug (Optional)	602736	602736
10	Air Distributor	602719	602719
11	Liner	602717	602717
12	Cylinder	602714	602714
13	Piston	602718	602718
14	Piston Guide bush	602723	602723
15	Bottom spacer	602722	602722
16	Bit retaining rings	602721	602721
17	Chuck lock ring	602729	602729
18	Chuck	602716	602716
19	Protective cap	741013	741013
SK	Service Kit	SK18	SK18
RK	Repair Kit	RK30	RK30

Drill Bits

Part Number	Diameter		Face Design	Buttons Type	Buttons Qty/Dia	Weight (Kg)
	mm	Inch				
Halco Shank						
650952	70	2.3/4	Flat	Domed	4 x 9mm / 6 x 11mm	2.4
650953	76	3	Flat	Domed	5 x 9mm / 6 x 11mm	2.5
650954	76	3	Flat	Semi-Ballistic	5 x 9mm / 6 x 11mm	2.5

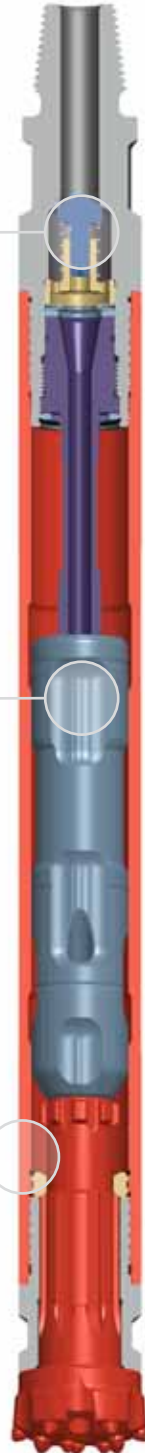
3"

DOMINATOR 350

Top-adaptor with integral N.R.V. (Non-Return-Valve) replaceable air distributor.

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

Revised chamber volumes and cycle timing to optimize performance.



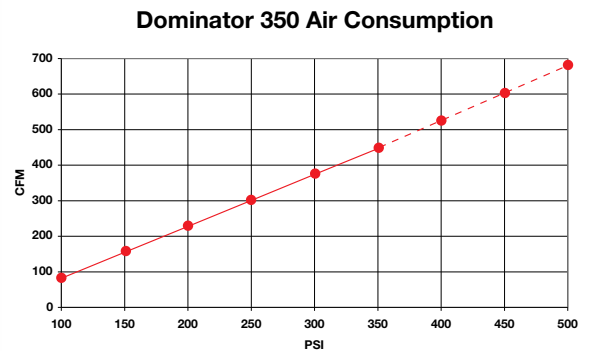
Dominator 350 hammer is a high performance hammer for medium to hard rock conditions. Dominator 350 has no internal liner which allows a larger piston diameter for greater blow energy.

Dominator 350 has fewer parts than any other 3 inch hammer in the market. This allows an easy maintenance and servicing with only a few simple tools required.

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

Drilling diameters of 90mm - 104mm (3 1/2 - 4 3/32").

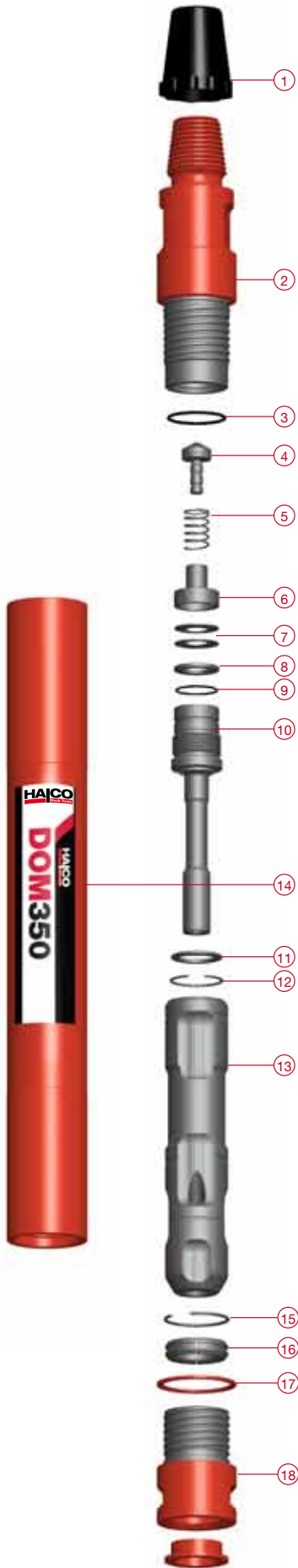
Air Consumption



Figures are based on theoretical data

Available Shanks

IR 3.5



Hammer Overview

Dominator 350	
Part Number	600199
Shank	IR 3.5
Top Thread	2.3/8 Api Reg Pin
Hammer Flat Size	63mm (2.480")
Weight	23 Kg
Outside Diameter	81mm (3.3/16")
Make Up Length	832mm (32.3/4")
Recommended Minimum Thrust	150 Kg (330 lbs)
Recommended Maximum Thrust	300 Kg (660 lbs)

Parts List

Hammer Type		Dominator 350
Shank		IR 3.5
Model Number		600199
Item	Description	Part Number
1	Thread Protector	200111
2	Top-Adaptor	602980
3	O'Ring	768098
4	N.R.V.	602328
5	N.R.V. Spring	760100
6	N.R.V. Housing	602971
7	Disk Springs	760094
8	Thrust Washer	602972
9	O'Ring	768033
10	Air Distributor	603108
	Air Distributor Removal Tool	603007
11	Washer	602979
12	Snap Ring	783035
13	Piston	603107
14	Cylinder	602974
15	Snap Ring	783036
16	Bit Retaining Rings	602976
17	Chuck Spacer	602977
18	Chuck	602978
19	End Cap	741045
	Service Kit	SK27
	Repair Kit	RK47
	Foot Valve	602922
	F/V tool - Body	603061
	F/V tool - Pusher	601659

Drill Bits

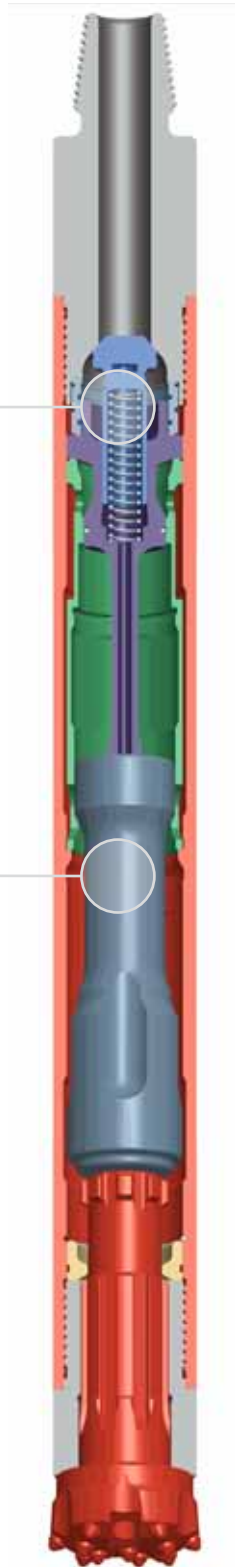
Part Number	Diameter		Face Design	Buttons Type	Buttons QTY/DIA	Weight (Kg)
	mm	Inch				
IR 3.5 Shank - Dominator/Dart 350						
650622	90	3.1/2	Convex	Semi-Ballistic	13 x 11mm	3.8
650623	90	3.1/2	Convex	Domed	13 x 11mm	3.8
650609	95	3.3/4	Convex	Semi-Ballistic	15 x 11mm	4.0
650620	95	3.3/4	Convex	Domed	15 x 11mm	4.0
650610	100	3.15/16	Convex	Ballistic	15 x 11mm	4.5
650621	100	3.15/16	Convex	Domed	15 x 11mm	4.5
650624	104	4.3/32	Convex	Domed	8x13mm/8x11mm	4.9

3"

DOMINATOR 375

Internal N.R.V. (Non-Return-Valve) to prevent flooding when drilling in water.

Solid piston with liner support.



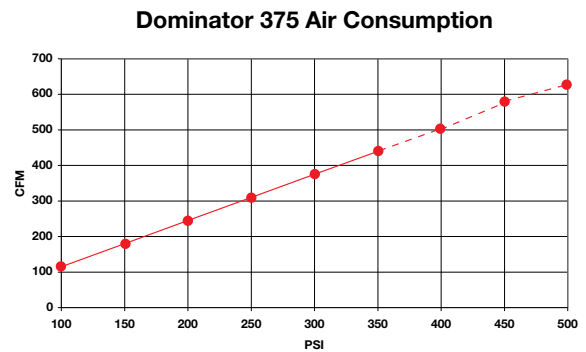
Dominator 375 hammer gives up to 25% increase in performance compared to Dominator 350 and Dart 350. This exceptional hammer is simple, robust and has a high penetration rate. The Dominator 375 has an integral N.R.V. (Non-Return-Valve) with an adjustable air bleed system to adjust air volume, this hammer has a liner and solid piston design.

This hammer has few internal parts which makes on site servicing easy with minimum tools needed. The MD 3.5 shank drill bit can be fitted for improved service life and heavy duty applications.

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

Drilling diameters of 95mm - 115mm (3 1/2 - 4 1/8").

Air Consumption

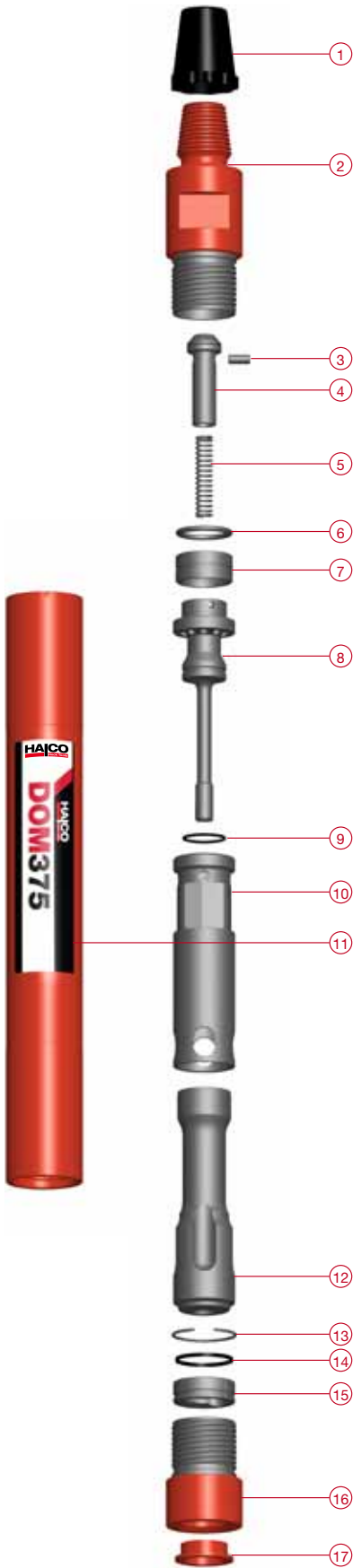


Figures are based on theoretical data

Available Shanks

IR DHD 3.5

MD 3.5



Hammer Overview

	Dominator 375	Dominator 375
Part Number	600393	600394
Shank	MD 3.5	IR 3.5
Top Thread	2.3/8 API Reg Pin	2.3/8 API Reg Pin
Hammer Flat Size	64mm (2.520")	64mm (2.520")
Weight	24.kg	24.kg
Outside Diameter	85mm (3.35")	85mm (3.35")
Make Up Length	885mm (34.84")	885mm (34.84")
Recommended Minimum Thrust	150 Kg (330 lbs)	150 Kg (330 lbs)
Recommended Maximum Thrust	300 Kg (660 lbs)	300 Kg (660 lbs)

Parts List

Hammer Type	Dominator 375	Dominator 375
Shank	MD 3.5 HD	IR 3.5
Model Number	600393	600394
Item	Description	
1	Thread Protector	200111
2	Top-Adaptor	604371
3	N.R.V. Plug - Solid	604480
	N.R.V. Plug 1/8"	604481
	N.R.V. Plug 3/16"	604482
4	N.R.V.	604378
5	N.R.V. Spring	760154
6	Shim- 4.9mm	602634
	Shim - 5.3mm	602635
	Shim - 5.7mm	602636
7	Compression Spring	760107
8	Air Distributor	604461
9	O'Ring	768099
10	Liner	604459
11	Cylinder	604458
12	Piston	604460
13	Snap Ring	783051
14	Bit Retaining Band	792040
15	Bit Retaining Rings	604457
16	Chuck	604456
17	End Cap	741045
	Service Kit	SK64
	Repair Kit	RK101
	Foot Valve	602922
	F/V tool - Body	603061
	F/V tool - Pusher	601659

Drill Bits

Part Number	Diameter		Face Design	Buttons Type	Buttons QTY/DIA	Weight (Kg)
	mm	Inch				
IR 3.5 Shank						
650622	90	3.1/2	Convex	Semi-Ballistic	13 x 11mm	3.8
650623	90	3.1/2	Convex	Domed	13 x 11mm	3.8
650609	95	3.3/4	Convex	Semi-Ballistic	15 x 11mm	4.0
650620	95	3.3/4	Convex	Domed	15 x 11mm	4.0
650610	100	3.15/16	Convex	Ballistic	15 x 11mm	4.5
650621	100	3.15/16	Convex	Domed	15 x 11mm	4.5
650624	104	4.1/8	Convex	Domed	8x13mm/8x11mm	4.9
MD 3.5 Shank						
653354	95	3.3/4	Convex	Parabolic	11 x 14mm	5.0
653349	100	3.15/16	Flat Faced	Domed	16 x 11mm	5.2