

Down The Hole DTH Hard Rock Drilling Equipment

PAT PART NUMBER	DESCRIPTION
	3" DTH Hammer Equipment
30 6 3350	Dart 350 with 2.3/8 Pin connection
40 6238 238-BB	Sub Adaptor 2.3/8/2.3/8 Box box
40 5 1044	Starter drill pipe 60mm diameter x 800mm long
30 6 3350-350	90mm button bit DHD 3.5 Shank
30 6 3375-350	95mm button bit DHD 3.5 Shank
30 6 3400-350	100mm button bit DHD 3.5 Shank
30 6 3412-350	105mm button bit DHD 3.5 Shank
30 6 4350	Stripping wrench - Dart 350
30 6 5350-350	90mm bit spanner
30 6 5395-350	95mm bit spanner
30 6 5400-350	100mm bit spanner
30 6 5410-350	105mm bit spanner
	4" DTH hammer Hammer Equipment
30 6 3400	SD 400 DTH hammer with 2.3/8 Pin Connection
40 6238 238-BB	Sub Adaptor 2.3/8/2.3/8 Box box
40 5 1046	Starter drill pipe 75 mm diameter x 800mm long
30 6 3412-44	115mm button bit
30 6 3500-44	127mm button bit
30 6 3512-44	140mm button bit
30 6 3578-44	150mm button bit
30 6 4004	Stripping Wrench - SD 400
30 6 5412-44	115mm bit spanner
30 6 5500-44	127mm bit spanner
30 6 5512-44	140mm bit spanner
30 6 5578-44	150mm bit spanner

Down The Hole DTH Hard Rock Drilling Equipment

5" DTH Hammer Equipment	
30 6 3500	D500 with 3.1/2" Pin connection
40 6238 312-BB	Sub Adaptor 3.1/2" x 2.3/8" (76mm drill pipe) Box Box
40 7278 312-BB	Sub Adaptor 3.1/2" x 2.7/8" (90mm drill pipe) Box Box
40 5 1045	Starter drill pipe 75 mm diameter x 700mm long
40 5 1046	Starter drill pipe 90mm long x 700mm
30 6 3534-50	146mm button bit H5 Shank
30 6 3578-50	150mm button bit H5 Shank
30 6 3612-50	165mm button bit H5 Shank
30 6 4005	Stripping wrench D 500
30 6 5534-50	146mm bit spanner
30 6 5578-50	150mm bit spanner
30 6 5 5612-50	165mm bit spanner
6" DTH Hammer Equipment	
30 6 3600	D600 with 3.1/2" Pin connection
40 6238 312-BB	Sub Adaptor 3.1/2" x 2.3/8" (76mm drill pipe) Box Box
40 7278 312-BB	Sub Adaptor 3.1/2" x 2.7/8" (90mm drill pipe) Box Box
40 8278 312-BB	sub adaptors 3.1/2" x 2.7/8" IF (100mm drill pipe) Box Box
40 5 1045	starter drill pipe 75mm x 1700mm long
40 5 1046	starter drill pipe 90mm x 1700mm long
40 5 1047	starter pipe 100mm x 3000mm long
30 6 3578-60	150mm button bit H6 Shank
30 6 3612-60	200mm button bit H6 Shank
30 6 3778-60	245mm button bit H6 Shank
30 6 5578-60	150mm bit spanner
30 6 5612-60	200mm bit spanner
30 6 5778-60	245mm bit spanner

3"

DOMINATOR 350

HALCO

Rock Tools

YOUR DRILLING EXPERT



AIR PRESSURE

100 - 350 psi
(7 - 24 bar)



SIZE

90 - 105mm
(3 1/2 - 4 1/8")



SHANK

DHD 3.5



Hammer Overview

Hammer Model	DOMINATOR 350
Hammer Part Number	600424
Shank	DHD 3.5
Top Thread	2-3/8" API REG PIN
Flat Hammer Size	63 mm
Weight	23 kg
Outside Diameter	81 mm
Make Up Length	832 mm
Recommended Minimum Thrust	150 kg
Recommended Maximum Thrust	300 kg
Air Consumption @ 12 bar (175 psi)	5.7 m ³ /min (200 cfm)
Air Consumption @ 17 bar (250 psi)	8.5 m ³ /min (300 cfm)

Parts List

Hammer Model	DOMINATOR 350	
Hammer Part Number	600424	
Item	Part Number	Description
1	200111	Thread Protector
2	602980	Top Adaptor
3	768098	O Ring
4	602328	N.R.V. (Non Return Valve)
5	760100	N.R.V. Spring
6	602971	N.R.V. Housing
7	760094	Disk Spring
8	602972	Thrust Washer
9	768033	O Ring
10	603108	Air Distributor
11	602979	Washer
12	783035	Snap Ring
13	603107	Piston
14	602974	Cylinder
15	783036	Snap Ring
16	602976	Bit Retaining Ring
17	602977	Chuck Spacer
18	602978	Chuck
19	741045	End Cap

Drill Bit Options

Hammer Model		DOMINATOR 350	Shank Type	DHD 3.5
Dia	Part Number	Description	Layout	
90 mm	650623	90 mm CONVEX DOMED DRILL BIT		
<i>Drill thru 110 mm Ø surface casing</i>				
95 mm	650620	95 mm CONVEX DOMED DRILL BIT		
<i>Drill thru 110 mm Ø surface casing</i>				
100 mm	650621	100 mm CONVEX DOMED DRILL BIT		
<i>Drill thru 113 mm Ø surface casing</i>				
105 mm	650624	105 mm CONVEX DOMED DRILL BIT		
<i>Drill thru 113 mm Ø surface casing</i>				

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Official Distribution Partner:
PAT-Drill

4"

SUPER DOMINATOR 400

HALCO

Rock Tools

YOUR DRILLING EXPERT



AIR PRESSURE

100 - 350 psi
(7 - 24 bar)



SIZE

108 - 150mm
(4 1/4 - 5 7/8")



SHANK

Halco 4



Hammer Overview

Hammer Model	SUPER DOMINATOR 400
Hammer Part Number	600224
Shank	HALCO 4
Top Thread	2-3/8" API REG PIN
Flat Hammer Size	65 mm
Weight	38 kg
Outside Diameter	98 mm
Make Up Length	1042 mm
Recommended Minimum Thrust	250 kg
Recommended Maximum Thrust	500 kg
Air Consumption @ 12 bar (175 psi)	8.5 m ³ /min (300 cfm)
Air Consumption @ 17 bar (250 psi)	12.0 m ³ /min (425 cfm)

Parts List

Hammer Model	SUPER DOMINATOR 400	
Hammer Part Number	600224	
Item	Part Number	Description
1	200111	Thread Protector
2	603215	Top Adaptor
3	768040	O Ring
4	602633	N.R.V. (Non Return Valve)
5	760108	N.R.V. Spring
6	602634 / 602635 / 602636	Shim (Either 4.9 / 5.3 / 5.7 mm)
7	760107	Compression Spring
8	603266	Air Distributor
9	768050	O Ring
10	603390	Cylinder
11	603396	Piston
12	783029	Snap Ring
13	792037	Containment Band
14	603793	Bit Retaining Ring
15	602733	Chuck Lock Ring
16	603273	Chuck
17	741019	End Cap

Drill Bit Options

Hammer Model	SUPER DOMINATOR 400		Shank Type	HALCO 4
Dia	Part Number	Description	Layout	
115 mm	650932	115 mm CONVEX DOMED DRILL BIT		
		<i>Drill thru 125 / 140 mm Ø surface casing</i>		
127 mm	650466	127 mm CONVEX DOMED DRILL BIT		
		<i>Drill thru 140 mm Ø surface casing</i>		
140 mm	650444	140 mm CONVEX DOMED DRILL BIT		
		<i>Drill thru 160 mm Ø surface casing Suitable to line with 125 & 113 mm Ø</i>		
150 mm	650445	150 mm CONVEX DOMED DRILL BIT		
		<i>Drill thru 165 mm Ø surface casing Suitable to line with 140, 125 & 113 mm Ø</i>		

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Official Distribution Partner:

PAT-Drill

5"

DOMINATOR 500

HALCO

Rock Tools

YOUR DRILLING EXPERT



AIR PRESSURE

100 - 350 psi
(7 - 24 bar)



SIZE

140- 180mm
(5 1/2 - 7")



SHANK

Halco 5



Hammer Overview

Hammer Model	DOMINATOR 500
Hammer Part Number	600120
Shank	HALCO 5
Top Thread	3-1/2" API REG PIN
Flat Hammer Size	90 mm
Weight	58 kg
Outside Diameter	118 mm
Make Up Length	980 mm
Recommended Minimum Thrust	400 kg
Recommended Maximum Thrust	900 kg
Air Consumption @ 12 bar (175 psi)	11.3 m ³ /min (400 cfm)
Air Consumption @ 17 bar (250 psi)	15.6 m ³ /min (550 cfm)

Parts List

Hammer Model	DOMINATOR 500	
Hammer Part Number	600120	
Item	Part Number	Description
1	201701	Thread Protector
2	783028	Snap Ring
3	602703	N.R.V. Seat
4	768144	O Ring
5	602330	N.R.V. (Non Return Valve)
6	760084	N.R.V. Spring
7	602704	Top Adaptor
8	768091	O Ring
9	768043	O Ring
10	602457	Cylinder
11	602459	Piston
12	783025	Snap Ring
13	602430	Bit Retaining Ring
14	602433	Chuck Spacer
15	602458	Chuck
16	741020	End Cap

Drill Bit Options

Hammer Model	DOMINATOR 500		Shank Type	HALCO 5
Dia	Part Number	Description	Layout	
146 mm	650990	146 mm CONCAVE DOMED DRILL BIT		
<i>Drill thru 160 mm Ø surface casing Suitable to line with 125 & 113 mm Ø</i>				
150 mm	650463	150 mm CONVEX DOMED DRILL BIT		
<i>Drill thru 165, 168 mm Ø surface casing Suitable to line with 140, 125 & 113 mm Ø</i>				
165 mm	650464	165 mm CONVEX DOMED DRILL BIT		
<i>Drill thru 180 mm Ø surface casing Suitable to line with 140, 125 & 113 mm Ø</i>				
180 mm	653900	180 mm CONCAVE DOMED DRILL BIT		
<i>Drill thru 200 mm Ø surface casing Suitable to surface case with 160, 165 & 168 mm Ø</i>				

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Official Distribution Partner:

PAT-Drill

6"

DOMINATOR 600

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

Revised chamber volumes and cycle timing to optimize performance.

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



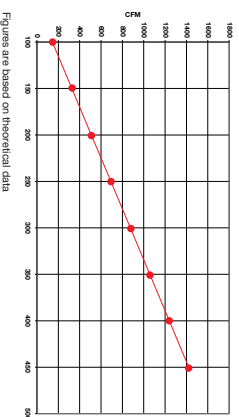
The Dominator 600 is a class leader in performance and is suitable for drilling at a wide range of air pressures, excelling at higher working pressures.

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

Drilling diameters of 152 - 245 mm (6 - 9 5/8").

Air Consumption

Dominator 600 Air Consumption



Figures are based on theoretical data



Hammer Overview

Hammer Type	Dominator 600	Dominator 600	Dominator 600
Part Number	600151	600094	600152
Shank	Metric 60	Imperial 2 1/2"	Imperial 2 1/2"
Top Thread	3 1/2" Adaptor Pin 90 mm (3.544")	3 1/2" Adaptor Pin 101 mm (3.977")	3 1/2" Adaptor Pin 101 mm (3.977")
Hammer Size	90 mm (3.544")	101 mm (3.977")	101 mm (3.977")
Weight	139 kg (307.2 lb)	139 kg (307.2 lb)	139 kg (307.2 lb)
Max. Drill Length	1208 mm (47.558")	1208 mm (47.558")	1208 mm (47.558")
Recommended Minimum Thrust	500 kg (1100 lbs)	500 kg (1100 lbs)	500 kg (1100 lbs)
Recommended Maximum Thrust	1500 kg (3300 lbs)	1500 kg (3300 lbs)	1500 kg (3300 lbs)

Parts List

Hammer Type	Dominator 600	Dominator 600	Dominator 600
Shank	Hako 600151	IR DR10-390 201701	Hako 600152
Shank Adapter	600151	600152	600152
Item	Description	Part Number	Part Number
1	Thread Protector	201701	201701
2	Top-Adaptor	602240	602240
3	O-Ring	785140	785140
4	Non-Return Valve	760079	760079
5	N.R.V. Spring	601940	601940
6	N.R.V. Housing	601940	601940
7	Shim - 4mm	601946	601946
8	Shim - 6mm	601946	601946
9	Shim - 8mm	601949	601949
10	Shim - 7mm	601949	601949
11	Compression Spring	760096	760096
12	Air Distributor	601979	601979
13	Snap Ring	785017	785017
14	Cylinder	601937	601937
15	Piston	602600	602600
16	Backstop	601939	601939
17	Bit Guide Bush	602534	602534
18	Bit Retaining Ring	601941	601941
19	O-Ring	747105	747105
20	Chip Sweeper	602435	602435
21	Cap	741009	741009
SK	Service Kit	SK05	SK05
FK	Fastag Kit	FK50	FK50
	Foot Valve	601570	601570
	F.V. Tool - Body	601878	601588
	F.V. Tool - Plunger	601589	601589

Drill Bits

Part Number	Diameter mm	Inch	Flute Design	Type	Qty	Over Size	Weight (kg)
650558	152	6	Convex	Demol	2	25.5	26
650559	178	7	Convex	Demol	2	32.5	33
650474	178	7	Convex	Demol	2	32.5	33
650354	191	7 1/2	Convex	Demol	2	32.5	33
650480	200	8	Convex	Demol	2	32.5	33
650441	225	9	Convex	Demol	2	32.5	33
650441	225	9	Convex	Demol	2	32.5	33
650457	245	9 3/4	Convex	Demol	2	32.5	33

Sizes highlighted stocked by PAT