

10"

SUPERIOR 1000

AT A GLANCE



SIZE
254 - 381mm
(10" - 15")



SHANK
SD 10
TD 90

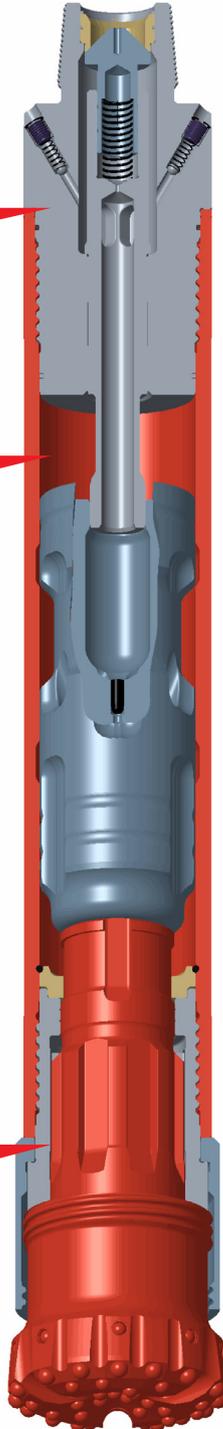


AIR PRESSURE
100 - 507psi
(7 - 35 bar)

Variable bypass porting has been added to the top adaptor

A variable live air bleed to allow greater additives to increase up-hole velocity.

The Bit Catcher System has a specially designed chuck and drill bit arrangement.



SUPERIOR 1000

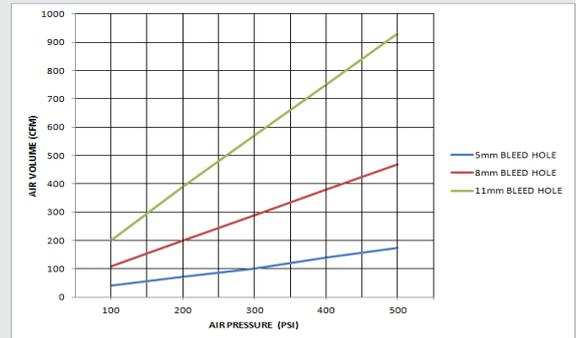
The Superior 1000 incorporates a unique piston design for high performance and reliability especially in Oil & Gas applications.

This hammer is suitable for a wide range of air pressures. Its optimum performance is reached at air pressures of 200psi (14 bar) and above.

Standard design features include a jetted back head, a variable air bleed piston and a bit catcher system to ensure your bits are not lost down the hole and diamond enhanced inserts.

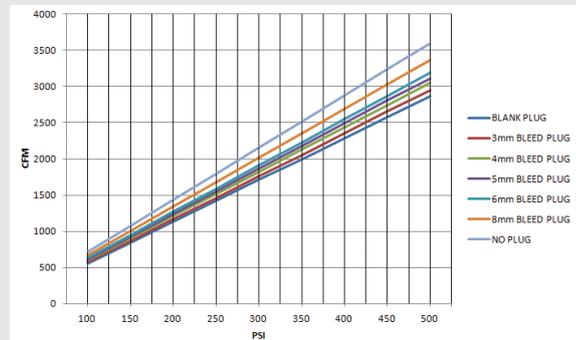
Air Consumption

Bypass Top Adaptor



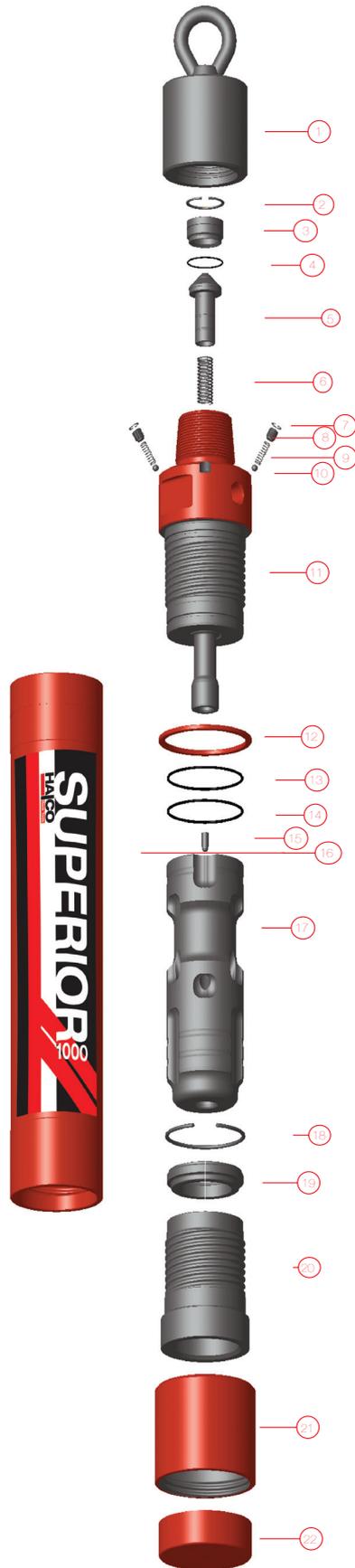
Note: The air volumes quoted above are based upon one bleed plug.

Hammer



Figures are based on theoretical data.

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Hammer Overview

Hammer Type	Superior 1000
Shank	SD 10
Top Thread	4 1/2" API Reg Pin
Flat Hammer Size	156mm (6.142")
Weight	177 Kg
Outside Diameter	182mm (7.165")
Make Up Length	1263mm (49.724")
Recommended Minimum Thrust	800 Kg (1760 lbs)
Recommended Maximum Thrust	2000 Kg (4400 lbs)

Parts List

Shank		SD 10		
Model No.		600434		
		Maintenance Kits		
Item	Description	Service Kit SK91	Repair Kit RK148	Life Kit LK12
1	Lifting Cap	-	-	-
2	Circlip	-	-	-
3	N.R.V. Seat	-	1	-
4	O'Ring	2	2	-
5	N.R.V	-	1	-
6	N.R.V. Spring	-	1	-
7	Circlip	-	4	-
8	Bleed Plugs	-	4	-
9	Spring	1	4	-
10	Ball Bearings	-	4	-
11	Top Adaptor Assy	-	-	1
12	Spacer	-	1	-
13	O'Ring	2	2	-
14	O'Ring	2	2	-
15	Bleed Plug	-	1	-
16	Cylinder	-	-	1
17	Piston	-	1	1
18	Snap Ring	1	1	-
19	Bit Retaining Ring	-	1	-
20	Chuck	-	1	-
21	Shroud	-	-	-
22	End Cap	-	-	-

Drill Bits

Part	Diameter	Face	Buttons		Over	Weight
Number	mm	Inch	Design	Type	Qty / Dia	Size (Kg)
SD 10						
653523	269	10 5/8	Concave	Diamond	22x 18mm / 15x 22.2mm / 9x 18mm	95
653530	269	10 5/8	Concave	Diamond Gauge	22x 18mm / 15x 22.2mm / 9x 18mm	95
653524	279	11	Concave	Diamond	22x 18mm / 15x 22.2mm / 9x 18mm	100
653531	279	11	Concave	Diamond Gauge	22x 18mm / 15x 22.2mm / 9x 18mm	100

Additional drill bit configurations are available upon request.

