

# 10"

# SUPERIOR 1000

## AT A GLANCE



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



**SHANK**  
SD 10  
TD 90

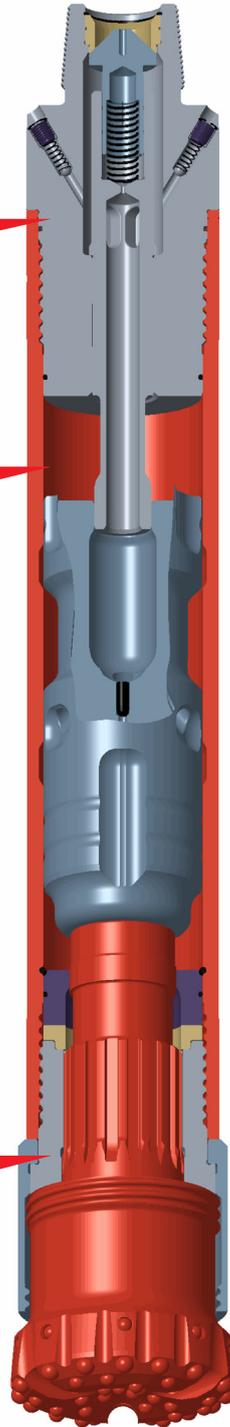


**AIR PRESSURE**  
100 - 507psi  
(7 - 35 bar)

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

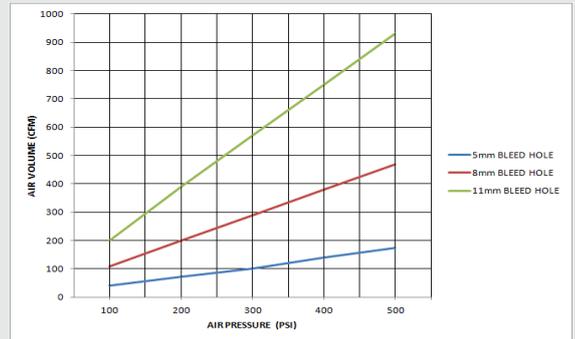
The Superior 1000 incorporates a unique piston design for high performance and reliability especially in Oil & Gas applications.

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.

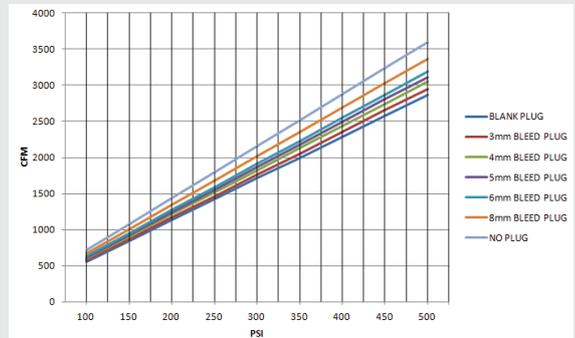
### Air Consumption

#### Bypass Top Adaptor



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

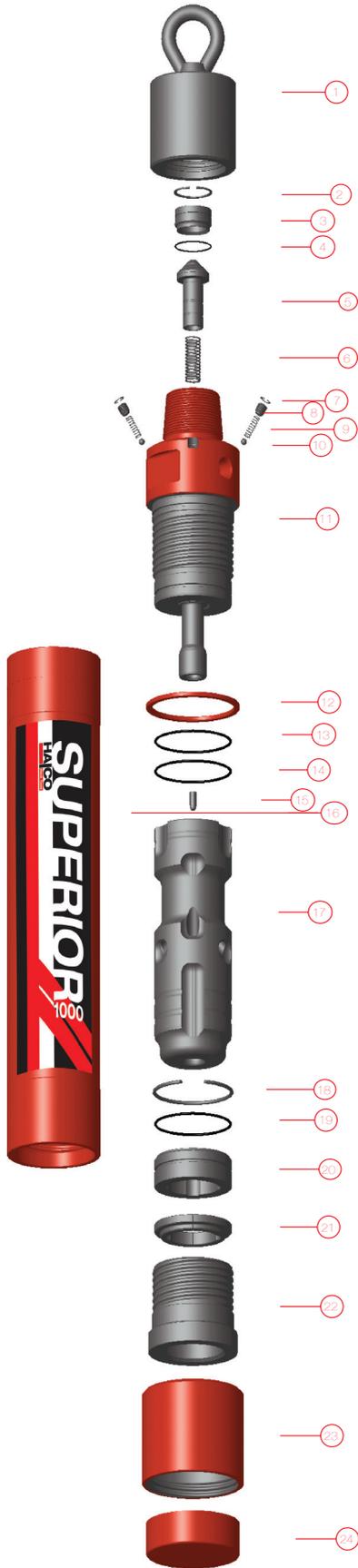
### Hammer



Figures are based on theoretical data.

## UNITED KINGDOM

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## Hammer Overview

Hammer Type	Superior 1000
Shank	TD 90
Top Thread	6 5/8" API Reg Pin
Flat Hammer Size	200mm (7.874")
Weight	367 Kg
Outside Diameter	230mm (9.055")
Make Up Length	1366mm (53.730")
Recommended Minimum Thrust	1500 Kg (3400 lbs)
Recommended Maximum Thrust	3500 Kg (7700 lbs)

## Parts List

		Maintenance Kits		
		Service Kit	Repair Kit	Life Kit
Item	Description	SK92	RK149	LK13
1	Lifting Cap	-	-	-
2	Circlip	-	1	-
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	O'Ring	2	2	-
20	Guide Bush	-	-	-
21	Bit Retaining Ring	-	1	-
22	Chuck	-	1	-
23	Shroud	-	-	-
24	End Cap	-	-	-

## Drill Bits

Part	Diameter	Face	Buttons		Over	Weight
Number	mm	Inch	Design	Type	Qty / Dia	Size (Kg)
<b>TD 90</b>						
Drill Bits for the TD90 shank are available upon request.						

Additional drill bit configurations are available upon request.

