

Dual Fluid System

Environmentally Challenging or Confined Work Sites

A DTH hammer for projects with risk of contamination or damaging of close-by piles or other infrastructure. The DFS uses a modified reverse circulation concept where water and/or bentonite are used for flushing the hole instead of pressurized air. The result is all the performance benefits of DTH air drilling but without the drawbacks that air can introduce.

- Drills holes 5¼" to 42" (133 to 1067 mm) in clay, silt, gravel, boulders, and rock.
- Grout through the hammer.
- Eliminates the risk for air over-flushing the hole and creating cavities.
- Does not force pressurized air into the formation damaging surrounding utilities.
- Easy retraction of casing in anchoring applications.
- Clean hole with water, water/bentonite mixture or polymers.



The World's **Leading**
Drilling Technology

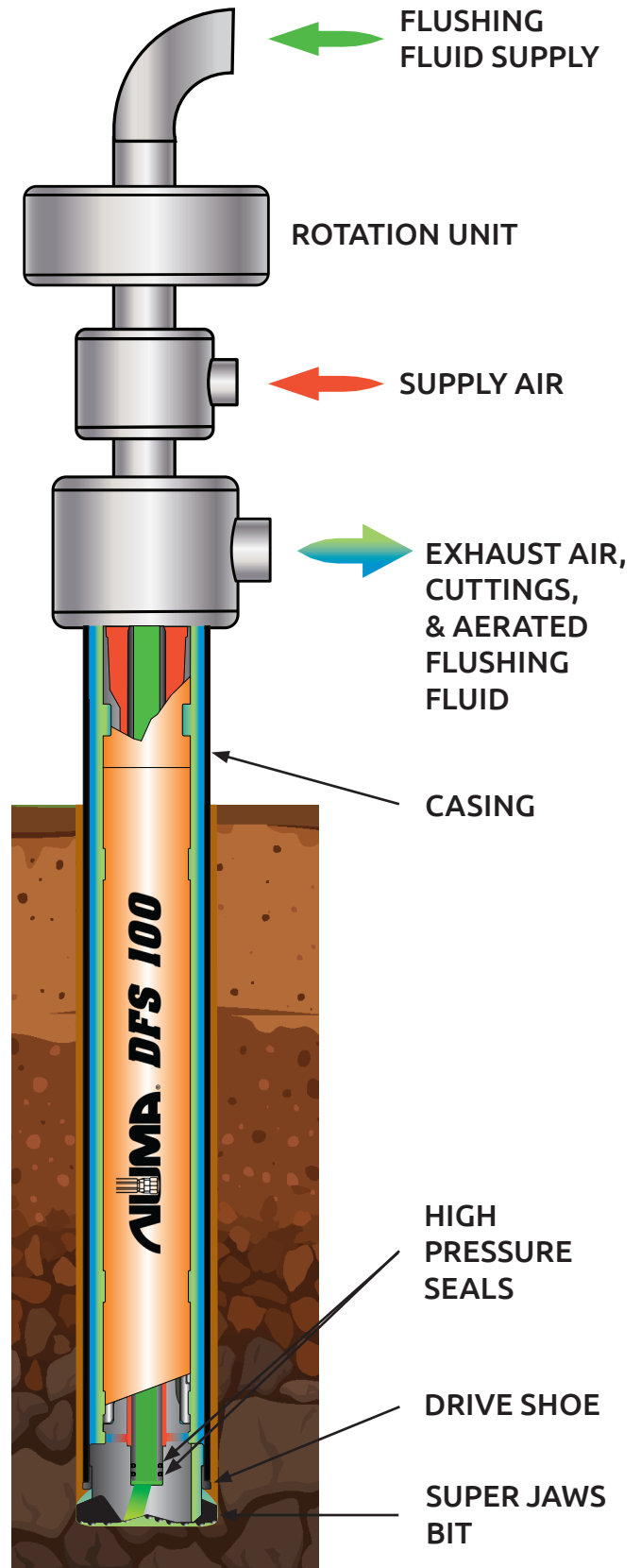


Specifications

DFS Hammer	Casing OD
DFS 50	6.000" (152.4 mm)
	6.250" (158.8 mm)
	6.625" (168.3 mm)
	7.000" (177.8 mm)
	7.625" (193.7 mm)
DFS 100	11.875" (301.6 mm)
	12.750" (323.9 mm)
	13.375" (339.7 mm)
	14.000" (355.6 mm)
DFS 160	18.000" (457.2 mm)
	20.000" (508.0 mm)
	22.000" (558.8 mm)
	24.000" (609.6 mm)
	26.000" (660.4 mm)
DFS 210	24.000" (609.6 mm)
	26.000" (660.4 mm)
	28.000" (711.2 mm)
	30.000" (762.0 mm)
	32.000" (812.8 mm)
DFS 300	30.000" (762.0 mm)
	32.000" (812.8 mm)
	34.000" (863.6 mm)
	36.000" (914.4 mm)
	38.000" (965.2 mm)
	40.000" (1016.0 mm)
	42.000" (1066.8 mm)

All sizes are nominal. Other sizes may be available upon request.

Schematic



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