

Sir William Smith Road,
Kirkton Industrial Estate,
Arbroath, Angus, Scotland
U.K. DD11 3RD
TEL : +44 (0) 1241 877776
FAX : +44 (0) 1241 871037
E-mail : sales@pioneeroiltools.com
Web: http://www.pioneeroiltools.com



PIONEER INTERCHANGEABLE ARM HOLE OPENER - 17.1/2" through 42" Dia

The PIONEER Interchangeable Arm Hole Opener is designed for expanding an existing drilled hole. The interchangeable cutter arm system makes this tool suitable for any formation, hole size and rig set up.

FEATURES

- One mandrel body can be used to open a large variety of hole sizes with quick and simple interchangeable cutter arms.
- Where rotary table restrictions apply, cutter arms may be assembled below the rotary table.
- Interchangeable arms are dressed with standard rock bit cones, which allow a selection of cone types for the formation required.
- Replaceable jetting nozzles for circulation and hole cleaning.

SPECIFICATION

Body Outer Dia	O'All Length	Connections		Fishing Neck		Bottom Neck Dia
		Top Pin	Bottom Box	Dia	Length	
15"	75"	7.5/8" Reg.	7.5/8" Reg.	10"	24"	9"

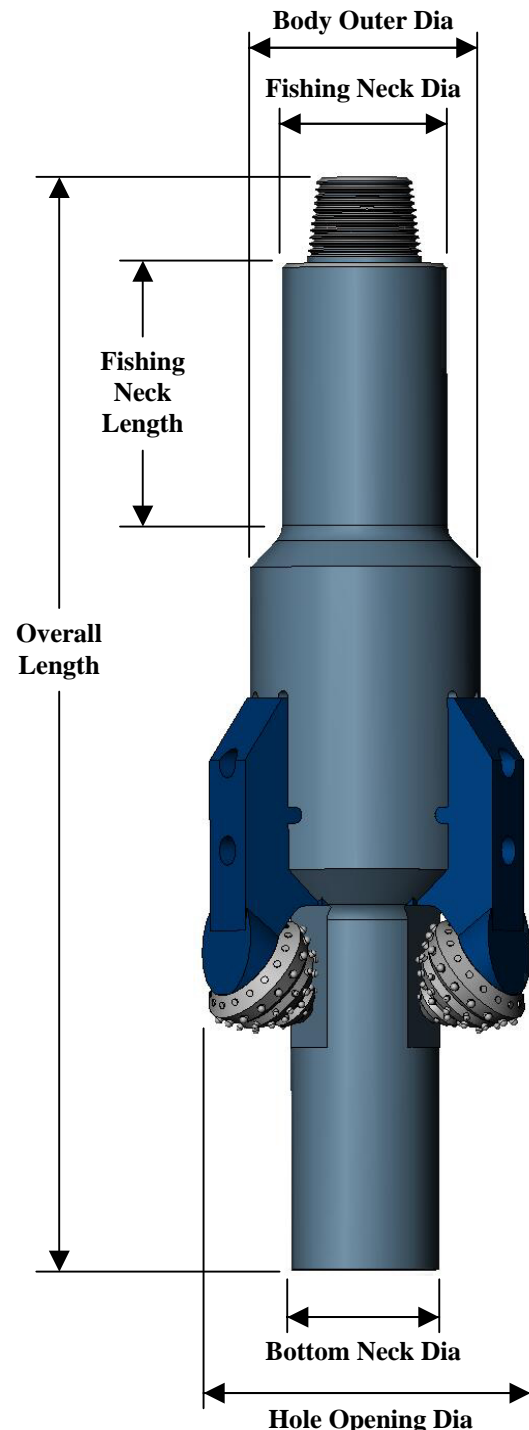
Body Tensile Strength	Body Torsion Yield	Approx. Weight
2.641,000 lbs	148,00 ft.lbs	2100 lbs

Hole Opening Diameter	Pilot Hole Min. Diameter	Number of Cutter Arms	Number of Jetting Nozzles
17.1/2"	9.1/2"	3	3
23"	9.1/2"	3	3
26"	12.1/4"	3	3
36"	24"	3	3
42"	26"	3	3

ORDERING INSTRUCTIONS

When ordering or requesting a quote, please specify:

1. Hole opening diameter.
2. Pilot hole diameter.
3. Top & bottom connections, if other than standard.
4. Fishing neck diameter, if other than standard.
5. Tungsten Carbide or Steel Toothed Cone Bits.
6. Type of formation (soft, medium, hard).
7. Jetting nozzle size.



When time is of the essence, Pioneer delivers