

### CENTURY FALCON SERIES HOLE OPENER

Century's Falcon Series Hole Openers are Engineered specifically for the 50 - 200,000 lb. rig class. Larger Arm & Cone Assemblies, 12 1/2" or 16", are available for longer down-hole time and improved bottom-line performance. This lighter weight Hole Opener is offered in 20" - 30" and is engineered to withstand the high rotational torque and pull forces required to fracture harder rock.

#### Design Features

- Precision Machined Solid Body
- Replaceable Arm & Cone Assemblies
- Re-Buildable Design
- Multiple Shaft Sizes
- Multiple Thread Configurations
- Interchangeable Jet Nozzles

#### Standard Options

- Active Gage Protection
- Shirttail Protection
- Advanced Hydraulics
- Multiple Point Stabilization

#### Engineered Design Advantages

- Solid Body Welded to Shaft for Superior Strength
- Cutter Flex Virtually Eliminated with Solid Body
- Reaming Passes Eliminated with Larger Cones
- Increased Load Capacity due to Larger Cones



*"Made & Machined in the USA"*

## CENTURY FALCON HOLE OPENER RECOMMENDED RUNNING SPECIFICATIONS

Hole Opener Inches / mm	Cone Size Inches / mm	Cones per HO	Suggested Drill Pipe RPM Range		Max Weight-On-Tool (Lbs.)	Cutter RPM Range
			Hard Formation	Soft Formation		
20 / 508	12.5 / 317	5	20	40	35,000	40 - 100
22 / 559	12.5 / 317	5	20	40	35,000	40 - 100
24 / 610	12.5 / 317	5	20	40	35,000	40 - 100
24 / 610	16 / 406	5	20	40	55,000	40 - 100
26 / 660	12.5 / 317	5	20	40	35,000	40 - 100
26 / 660	16 / 406	5	20	40	55,000	40 - 100
28 / 711	12.5 / 317	5	20	40	35,000	40 - 100
28 / 711	16 / 406	5	20	40	55,000	40 - 100
30 / 762	12.5 / 317	5	20	40	35,000	40 - 100
30 / 762	16 / 406	5	20	40	55,000	40 - 100



12.5" Arm & Cone Assembly



16" Arm & Cone Assembly

**Disclaimer:** Customer cannot assert any claim, regardless of cause, against CENTURY PRODUCTS, INC. for loss of anticipatory profits or for consequential damages. The above RPM Range is strictly for guidance – formations will dictate RPM speed and weight to fracture the rock.