

SECTION MILL

APPLICATION

- Casing milling
- Perforation zones
- Scale/Cement removal
- Pipe Cutting

FEATURES

- Robust construction
- Tungsten Carbide Insert dressed blades
- Interchangeable stabilizer sleeve
- Flotel device
- Easily redressed

ADDITIONAL INFORMATION

- Listed above are common sizes
- Bespoke versions available to suit specific requirements
- Manufactured from high grade Alloy Steel, other materials available on request.

The WellEnTech Section Mill is designed to mill sections of casing for ; Sidetracking, gravel packing, and/or perforation zones. The Section Mills are available in a variety of OD sizes. The tungsten carbide blades are designed so that all blades will mill simultaneously. The interchangeable Stabiliser Sleeve can be swapped out to suit specific casing weights.

TECHNICAL SPECIFICATION

Tool Series	Casing Size	Body Dia.	Fishing neck		Overall Length	Top Pin Conn	Weight Lbs.
			Length	Diameter			
3600	4-1/2"	3-5/8"	18"	3-1/8	56"	2-3/8"	135
4100	5"	4-1/8"	18"	3-1/4	66"	2-3/8"	175
4500	5-1/2"	4-1/2"	18"	4-1/8	68"	2-3/8"	190
5500	6-5/8 – 7"	5-1/2"	18"	4-3/4	74"	3-1/2"	350
6100	7-5/8"	6-1/8"	18"	4-3/4	74"	3-1/2"	368
7200	8-5/8 – 9-5/8"	7-1/4"	18"	5-3/4	89"	4-1/2"	554
8200	9-5/8"	8-1/4"	18"	5-3/4 - 8	87"	4-1/2"	900
9200	10-3/4" - 11-3/4"	9-1/4"	18"	5-3/4 - 8	87"	4-1/2"	980
11700	13-3/8"	11-1/2"	18"	8 - 9	90"	6-5/8"	1725

OPERATION

The WellEnTech Section Mill is operated by flow through the tool. At a predetermined flow rate, a piston moves down within the tool which pushes all of the section milling blades out of the body. The Section Mill is rotated via a top drive or a down hole motor and the tungsten carbide dressed blades can then mill the target casing. The tool can be supplied with a flotel device which signals the driller than the arms are all fully open. On completion of the milling operation, flow is stopped and the piston will retract by means of a powerful spring allowing the blades to return within the main body of the tool.

