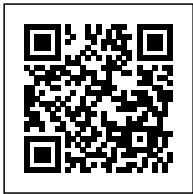
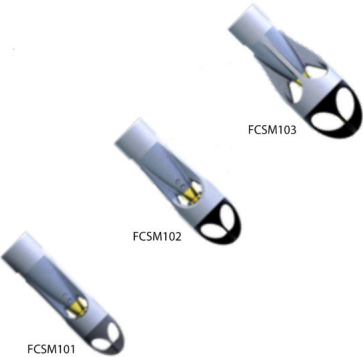


FIXED CAGE SPINNER MECHANICAL - HD - 1 3/8 IN.



**SKU:** FCSM101, FCSM102 and FCSM104  
**Categories:** [Cased Hole Wireline](#), [Fluid Velocity](#), [HD Platform™](#), [Production Logging](#)

PRODUCT DESCRIPTION

The Fixed Cage Spinner Mechanical (FCSM101,102,104) is run in combination with the 1 3/8 inch FLTE (Flow & Temperature Electronics) which combines the flowmeter sensor electronics with a fast response temperature tool or with our 1 3/8 inch CFT (combined Capacitance, Flow & Temperature) tool. The size is selected depending on the minimum restriction in the completion. The impeller assembly is protected minimizing the likelihood of damage in hole.

Ratings & Dimensions

	FCSM101	FCSM102	FCSM104
Max temperature	350°F (177°C)		
Max pressure	10,000 psi (68.9 mPa)		
Cage diameter	1.38 in (35.0 mm)	1.69 in (43.0 mm)	2.125 in (54.0 mm)
Length	6.4 in (163.0 mm)	6.5 in (166.0 mm)	6.902 in (175.0 mm)
Weight	.87 lb (0.4 kg)	.98 lb (0.44 kg)	1.19 lb (.54 kg)
Flow Measure Point	1.3 in (33.0 mm)	1.5 in 39.0 mm)	1.8 in (46.0 mm)
Materials	Corrosion resistant materials used throughout		

Measurements

Output	10 pulses per revolution
Threshold	<5 ft /min (1.5 m /min)
Threshold (5" casing)	128 BPD (20.35 m³/day)
Max. fluid velocity	3,000 ft/min (916 m/min)

Hardware Characteristics



**Combinability**

All HD tools (RADii, iQ, PL, RAS, etc.)  
when connected to FLTE & CFT

**Acquisition Mode**

Real-time (with TCU)

Memory (with MLT)

Version Control: 2021.11.17

***On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.***