

Datasheet Well Miller® 318 Expandable Bit

The Well Miller® Expandable Bit for hardware milling provides operators with a better way to repair wells with mechanical problems. It can pass through small ID and expand to a larger OD when activated. The bit will retract if communication is lost to the tool. Using only e-line tools, nipple profiles or other restrictions can be eliminated or increased, plugs can be removed, failed isolation valves can be milled through for production or access to deeper parts of the wellbore. The Well Miller® is run in combination with the Well Tractor® for precise control of weight on bit and to counter reactive torque.

Applications	Features	Benefits
<ul style="list-style-type: none"> • Nipple profile milling 	<ul style="list-style-type: none"> • Passive fail-safe system 	<ul style="list-style-type: none"> • Expandable bit
<ul style="list-style-type: none"> • Access through failed isolation valves 	<ul style="list-style-type: none"> • Surface read-out compatible 	<ul style="list-style-type: none"> • Large range of ID's accessible
<ul style="list-style-type: none"> • Cement plug milling • Enlargement of buckled tubing 	<ul style="list-style-type: none"> • Modular and configurable • Compatible with all service providers 	<ul style="list-style-type: none"> • No additional fluids required • Provides access to TD
<ul style="list-style-type: none"> • Bridge plug removal 	<ul style="list-style-type: none"> • Universal: operates on any e-line via DC • NACE compliant 	<ul style="list-style-type: none"> • Accurate depth control

Specifications*	Imperial	Metric
• Length	• 12.7 ft	• 3.9 m
• Running OD nominal	• 3 1/8"	• 80 mm
• Weight in air	• 190 lbs	• 86 Kg
• Minimum completion ID	• 3.25"	• 82.5 mm
• Maximum Bit OD	• 5.0"	• 127 mm
• Maximum well pressure	• 25,000 psi	• 1,720 bar
• Maximum well temperature	• 302 F	• 150 °C
• Tensile strength	• 42,000 lbs	• 19,000 Kg
• Compressive strength	• 50,000 lbs	• 22,700 Kg

* Dependent upon configuration

