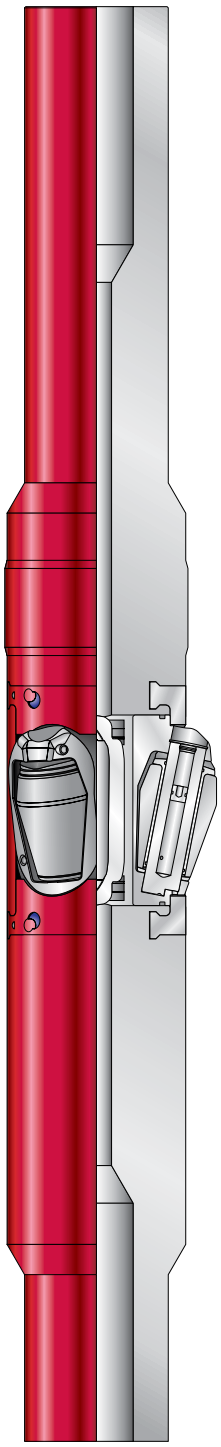
7-in. EZI™ Expansion Tool



Weatherford's compliant rotary expansion tool for *EZI* expandable zonal isolation joints expands elastomer-clad solid pipes to pack off inside the wellbore, providing open-hole isolation. This tool is run in conjunction with the 7-in. diverter tool to form the expansion system for Weatherford's 7-in. ERC™ expandable reservoir completion for multizone applications. The compliant roller assembly is activated by flowing through a bit nozzle to generate backpressure.

Features, Advantages and Benefits

- Three roller pistons extend and retract independently, fully expanding the *EZI* joint to maximize wellbore contact, even in irregular hole geometries.
- The rollers can collapse into the body of the tool, allowing it to pass through conventional casing before being activated to perform expansion operations. This capability facilitates *ERC* integration with conventional and intelligent upper completions.
- The top-down rotary expansion process allows retrieval of the tool from the wellbore at any point. This capability significantly reduces potential deployment risks.
- The tool is field redressable, saving time by minimizing maintenance requirements.
- Rollers and bearings are constructed from state-of the-art materials, ensuring maximum tool life.

Weatherford International Ltd.
515 Post Oak Blvd., Suite 600
Houston, Texas 77027 USA
Tel: 713-693-4000
www.weatherford.com

7-in. EZI™ Expansion Tool

Specifications

EZI size (in./*mm*)	7.00 *177.8*
Minimum tool OD (gauge ring) (in./*mm*)	6.05 *153.7*
Maximum operating tool OD (in./*mm*)	7.90 *200.7*
Typical operating pressure (psi/*bar*)	2,000 to 2,600 *137.9 to 179.3*
Typical operating weight on bit (lb/*kg*)	25,000 to 35,000 *11,340 to 13,608*
Typical operating expansion torque (ft-lb/*N•m*)	5,000 to 6,000 *6,779 to 8,135*
Typical operating expansion speed (RPM)	100
Typical operating expansion rate of penetration (ft/min, *m/min*)	4.0 *1.2*

Weatherford International Ltd.
515 Post Oak Blvd., Suite 600
Houston, Texas 77027 USA
Tel: 713-693-4000
www.weatherford.com

