

# FI-70 Injector



Foremost has taken its years of experience in Coiled Tubing Rig (CTR) design and has focused this knowledge in creating the FI-70 Injector.

Designed in conjunction with Cudd Pressure Control Inc., the FI-70 Injector has a proven track record in the oilfield since 2003.

## General Description:

This injector offers a number of features that are not offered with other comparable injectors.

The FI-70 features twin variable displacement axial piston motors & single-bearing hardened skate bars with 10% more area than most other injectors of this comparable rating. It also has eight skate traction cylinders evenly distributing the load over the entire length of the skate bar with hydraulic accumulators.

## Other Features :

The FI-70 Injector features a mechanical counter and electronic encoder mount. Also featured is the pinned-on stripper/packer mount for easy removal, and a reduced mounting height between the stripper/packer and chain. A pancake style load cell mount allows for easy adaptation to either dual-acting; electronic or hydraulic load cells or a single acting hydraulic load cell.

## Available Options :

- ▶ Optional planetary coolers for extreme working conditions.
- ▶ Available tubing sizes of 1", 1-1/8", 1-1/4", 1-1/2", 1-3/4", 2", 2-3/8".
- ▶ Optional planetary ratios for more precise control.
- ▶ Optional radius guide arches available.
- ▶ Optional gooseneck swivel for injector and reel alignment.
- ▶ Optional gooseneck mounted tubing straightener.

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## General Specifications:\*

Maximum Pulling Force (Max Motor Displacement): (Closed Loop Hydraulic System)	70,000 lbf	31,111 daN
Maximum Pulling Force (Min Motor Displacement): (Closed Loop Hydraulic System)	39,500 lbf	17,556 daN
Maximum Snubbing Force (Closed Loop Hydraulic System)	35,000 lbf	15,555 daN
Hydraulic Motor Displacement (Variable) : (Combined Motors)	0 - 19.52 in <sup>3</sup> /rev	0 - 320 cm <sup>3</sup> /rev
Running Speed: 356 l/m (94 US gpm)	Max: 190 ft/min Min: 5 ft/min	Max: 57.9 m/min Min: 1.52 m/min
Dimensions: Length: Width: Height: (less Gooseneck) Weight: (Less Gooseneck)	60 in 76 in 118 in 7,500lbs	1,524 mm 1,930 mm 2,997 mm 3,400 kg
Brake:	Wet Type, Multi-Disc, Fail Safe	
Brake Hydraulic:	Counterbalance Valves	
Planetary Reduction:	42.27 : 1 or 34.4 : 1	
Chain:	Dual 180 pitch, Integral Gripper Blocks Dual Greasable Sealed Bearings	

\* Consult your Foremost representative for your optimal configuration

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Unless otherwise stated, specifications are for a standard unit and are subject to change without notice. Performance specifications are theoretical maximums and do not include mechanical or other efficiency losses. Actual performance may vary.