

INJECTOR HEAD

Series: 20K

rev 5



An Injector head is the primary component of a capillary/coil injection system. During installation, the operator routes capillary/coil tubing from the spooler to the top of the injector and passes it through the tubing gooseneck. A series of grooved wheels on the gooseneck aid alignment and pre-straighten the tubing prior to entering the gripper blocks which are assembled into the drive chains. The drive chain configuration utilizes two opposing chains with replaceable gripper blocks to push (inject) or pull tubing utilizing a hydraulic cylinder tri-traction system. **Hydessco's** 20K injector head comes standard with a 6-cylinder traction system, dual disc-type hydraulic brakes, dual counterbalance valves, hydraulic load cell, variable 2-speed circuit, and stripper mounting plate.

PHYSICAL CHARACTERISTICS

Tare Weight	3,500 lb [1588 kg]
Payload	3,000 lb [1361 kg]
MGW	6,500 lb [2948 kg]
Length	45" [1143 mm]
Width	42 1/2" [1080 mm]
Height	62 1/2" [1588 mm]
Height w/gooseneck	100" [2540 mm]

STANDARD OPTIONS

Lift Frame w/cert	Pull Tested (2.5 times rated load)
Sling Set w/cert	WLL = 10,000 lb (tested at WLL X 2)
Stripper Bolt Plate Interface	8X 3/4-10UNC on a Ø9.25" B.C.
Heat Treated Gripper Blocks	For increased run life and reliability

PERFORMANCE FEATURES

Pull Capacity	20,000 lb [9072 kg] ¹
Snub Capacity	10,000 lb [4536 kg] ¹
Tubing Range	Ø5/8" - Ø1-1/2" [15.9-38.1mm]
Velocity	Variable speed from 3 ft/min to 150 ft/min ¹
Gooseneck Radius	Typical R=37" [940 mm]

¹ Max speeds and pull are based on 100% efficiency and may diminish slightly due to wear of components

HYDR POWER REQUIREMENTS

Max Pressure	3,000 psi [207 bar]
Min Flow	≥ 15 GPM [57 LPM]
Max Flow	≤ 35 GPM [133 LPM]

AVAILABLE CERTIFICATIONS³

DNV



2.7-3
MACHINERY, ATEX
CE Ex II 2G IIB T3

³ Not standard, must be requested.