FloorHand FH-100
The FloorHand FH-100 is designed for ease of operation with the highest safety standard. The FloorHand FH-100 has an extensive pipe range and torque rating previously unheard of from an iron roughneck of its size.

The FloorHand FH-100 has a specially designed manipulator that allows the tool to extend out 129" (3,276.6 mm) from its mounting point to both well center and the mouse hole.

The FloorHand FH-100 can be controlled on the tool or remotely through a stand-alone console or drillers’ panel.

**Benefits & Features:**

**Safety:**
- Replaces manual tong
- Reduces rig personal exposure
- Reduces crew fatigue

**Economics:**
- Low amount of spares
- Simple and easy to maintain
- No special tools for operation or maintenance

**Efficiency:**
- Simple logic for operating the FloorHand
- Fast, repetitive and reliable make-up torque
- Self-adjusts to a wide range of pipe sizes

**Controls:**
- Simple logic operating handles for FloorHand and manipulator arm
- Optional remote operation through standalone panel, integrated into drillers’ console or wireless through a belly pack

**Wrench Clamping:**
- Opposing clamp cylinders self adjust to varying pipe sizes eliminating the need for manual adjustments; 2.7/8 lower torque option

**Torque Setting:**
- Set torque once on the first connection
- Ft-lb read-out directly from gauge
- Torque adjustment and gauge located on FloorHand

**Universal Die Block:**
- One size fits all, eliminating Die Block change outs
- Uses standard tong dies
- Centering buttons for pipe alignment

**Spinner Rollers:**
- Clamping force of steel coupled with the compressibility of Gripthane reduces pipe slipping
- Shoulders-Up pipe connection every time
- Quick and easy roller change out

**In Line Pressure Filter:**
- Protects critical hydraulic components of the unit
- Extends lifetime and reliability by ensuring a clean hydraulic fluid

**Self-Adjustable Pipe Stop:**
- Engagement of Die Block self-adjusts the Pipe Stop to position it for proper pipe centering
Specification:

- **Size Range:** 4” OD–9 1/2” OD* / 101.6 mm OD–241.3 mm OD
- **Make-Up Torque:** 80,000 ft-lbs / 108,500 Nm
- **Break-Out Torque:** 100,000 ft-lbs / 135,600 Nm
- **HPU Requirements**: **2,800 psi @ 25 gpm / 172 bar @ 94 l/min**

Weights:

- **FloorHand FH-100 w/Manipulator:** 7,367.6 lbs / 3,341.8 kg
- **Automated FloorHand:** 7,625.0 lbs / 3,458.6 kg.
- **Transport Skid:** 9FH–01389 - 980 lbs (444 kg) Manual / 9FH–41080 - 1,414 lbs (641.3 kg) Auto
- **Power Unit:** 2,200 lbs / 998 kg

Part Numbers (Standard Units):

- **FloorHand FH-100:** 9GF-4100 Manual FloorHand / 9GF-4701 Automated FloorHand
- **Manipulators:** 9FM-4500 Cantilever Mount with Controls / 9FM-5000 Cantilever Mount Manipulator for Remote Controlled FloorHand
- **Winch:** 9FH-10701
- **Transport Skid:** 9FH-01389 Manual / 9FH-41080 Auto
- **Power Unit:** 9PU-7200** Equipped with Cooler / 9PU-7300** Equipped with Heater

*3 1/8” OD (79.4 mm OD) can reached via adapter, 9FH-10703
**It is recommended that the FloorHand is powered by the Forum Hydraulic Power Unit (9PU-7200 or 9PU7300)
Our goal is to become the leading provider of mission critical oilfield products and related services in terms of customer satisfaction, safety and financial performance.

Our experienced management team and employees are dedicated to solving our customers’ problems. We invest in long term relationships and cooperate on product development with our clients, we consider them our partners.

OUR CORE VALUES

No one gets hurt: The safety of our employees and customers is our first priority coupled with a healthy respect for the environment.

Integrity: In everything we do, in every interaction, both internally and externally, we strive to operate with the utmost integrity and mutual respect.

Customer focused: Our products enhance our customer’s performance and we listen to their needs and work with them to solve their challenges.

Good place to work: We are committed to creating a workplace that fosters innovation, teamwork and pride. Every team member is integral to our success and is treated equally and fairly.

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