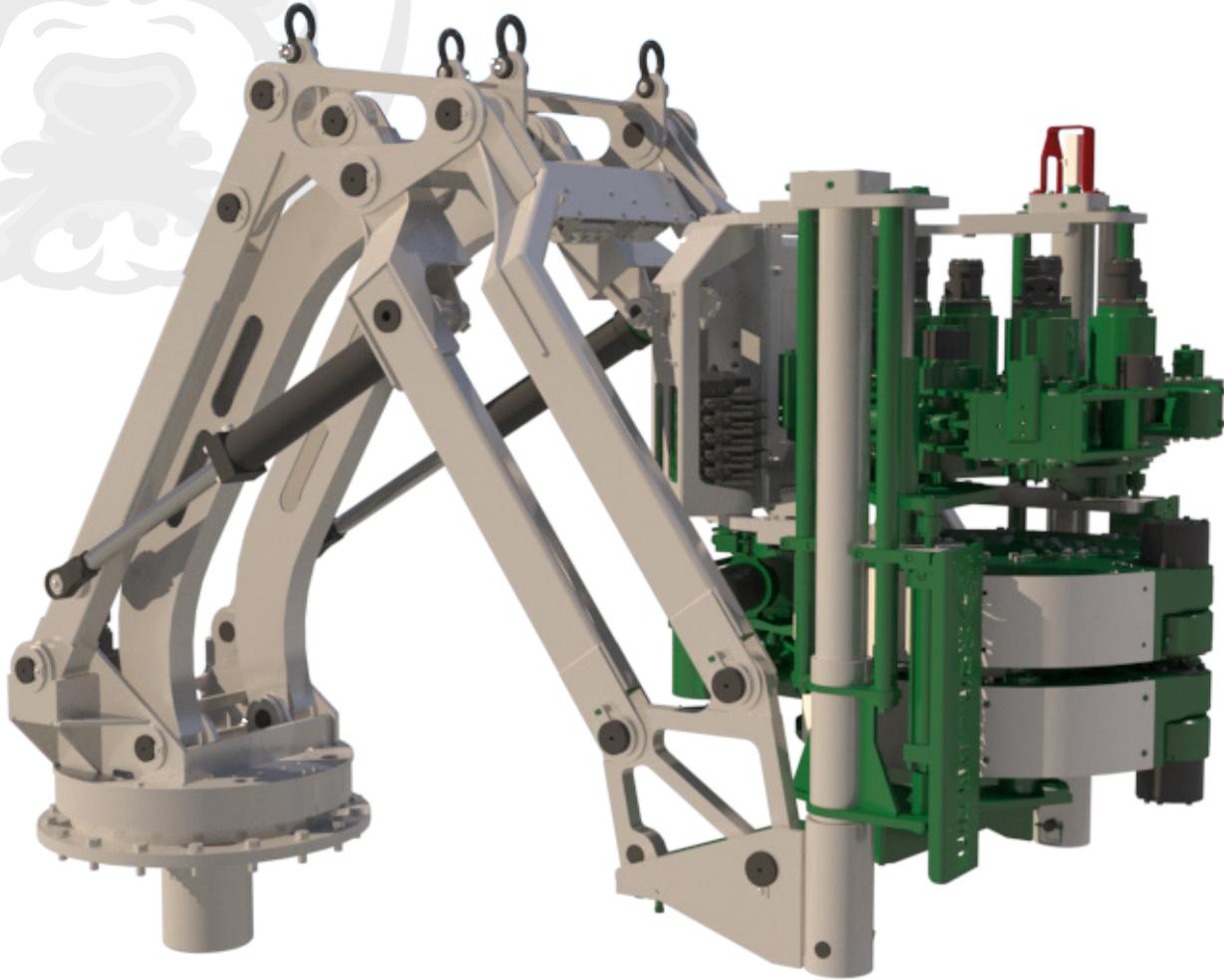


DRILLFORM

FORMING THE FUTURE OF DRILLING EQUIPMENT



BULLDOG



AW120 AUTOMATED FLOOR WRENCH

FEATURES & BENEFITS

SAFETY | PERSONNEL ACCESS TO THE ROTATING ZONE IS RESTRICTED

COST SAVINGS | 360° RADIAL CONTACT WITH THE DRILL PIPE REDUCES SLIPPAGE, TOOL JOINT WEAR AND PIPE DISTORTION

TORQUE ACCURACY | ACCURATE TORQUE ON EACH CONNECTION REDUCES POTENTIAL DRILL STRING FAILURE

EASE OF USE | 12" VERTICAL TRAVEL ON THE SPINNER ENABLES HANDLING OF DRILL STRING TUBULARS

EASE OF MAINTENANCE | MODULAR AND MACHINED COMPONENTS CONTRIBUTE TO EASE AND SPEED OF MAINTENANCE

DRILLFORM.COM | INFO@DRILLFORM.COM | +1 (403) 263 3133



AW120 TECHNICAL SPECIFICATIONS

WRENCH

Make-Up Torque: 100,000 ft-lbs / 135,582 Nm

Break-Out Torque: 120,000 ft-lbs / 162,698 Nm

Minimum Tool Joint Diameter: 3" / 76 mm

Maximum Tool Joint Diameter: 9.5" / 248 mm

Working Dimensions based on 100" Arm. Additional arms available up to 144"

- Minimum Working Dimension: 75" / 1,905 mm
- Maximum Working Dimension: 103" / 2,616 mm (100" Arm)

WEIGHT

12,050 lbs / 5,477 kg

CONNECTION HEIGHT

30" - 65" / 762 mm - 1,650 mm

ELECTRICAL

Class 1, Zone 1: Wrench Assembly / Wireless Remote

Class 1, Zone 2: PLC: Drillform - OMRON / Drillers Console

Voltage: 220/120 VAC

Amperage: 15 Amps

HYDRAULIC

HPU: Drillform / OMRON

Maximum Flow: 65 GPM / 246 LPM

Maximum Pressure: 3,000 PSI / 20,680 kPa

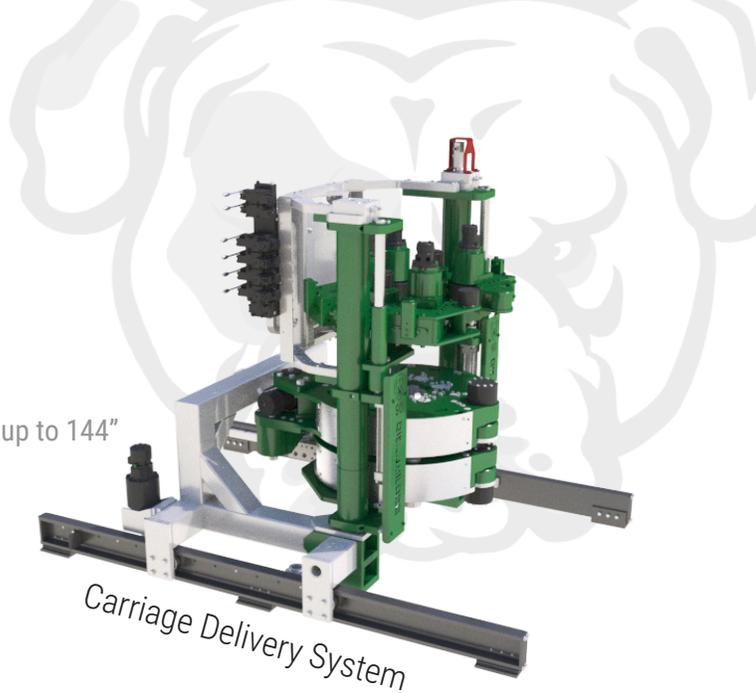
Cooling Requirements: 20HP / 25kW

WRENCH OPERATION

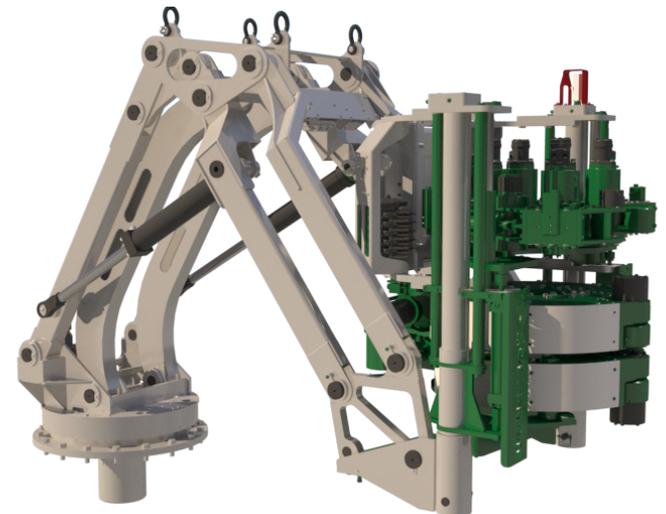
Independent Operation

Wireless operation via belly box

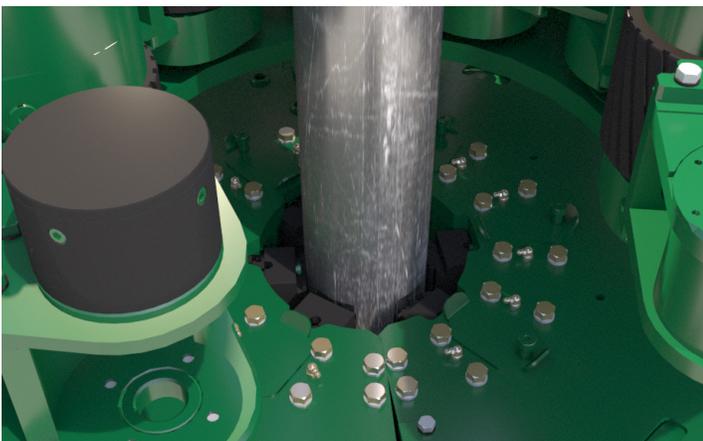
Integration into rig control system and operated via dog house



Carriage Delivery System



Arm Delivery System



360° Radial Contact Provides Evenly Applied Pressure to the Pipe

SPINNER

Up to 12" of independent vertical travel

Ability to accommodate varying pipe sizes and longer tool joints

Active Turn Monitoring

Torque: 2,500 ft-lbs / 3,400 Nm

Tubular OD: Minimum 3" - Maximum 11.375" / 76mm - 289 mm

Proportional Speed: 0 - 85 RPM

VERTICAL & HORIZONTAL TRAVEL

Varies with Delivery System - Refer to Dimensional Specifications

DELIVERY SYSTEM

Drillform offers a variety of tong delivery systems to accommodate rig floor parameters

CLIENT TESTIMONIAL **"Bonanza Drilling is in full support and endorses this product and [Drillform's] people"**

Rich Nagai VP of Operations, Bonanza Drilling Inc.