



Sheffield PA 16347

## Pump Jack Specifications

1. Structural Steel is fabricated from type ASTM A-36 Steel.
2. Welders are all AWS Certified
3. Unit is completely primed then painted with High Performance Industrial Paint
4. Type 16 Walking Beams are W8 @ 15 Steel
5. Type 16 Pitman Arms are C4 @ 5.4 Steel
6. Type 16 Main Base is C6 @ 8.2 Steel
7. Crank Arms are all Ductile Iron (castings)
8. Wrist Pin Assembly - Double Row Deep Groove Roller Bearings (in oil reservoir with clear sight glass)
9. Saddle and Pitman Arm Bushings - Oil Impregnated Bronze Bushings (in oil reservoir with clear sight glass)
10. Band Brake standard on 16 and 25 units
11. 3 Year Warranty on all units
12. USA Manufactured
13. 10 - Adjustable Stroke Lengths: 10", 12" & 15"
14. 16 - Adjustable Stroke Lengths: 16", 20", 24" & 30"
15. 25 - Adjustable Stroke Lengths: 21", 25", 30" & 36"

## Gearbox Specifications: Exceeds API 11E

1. Gears and Pinions are all "8620" Premium Steel
2. Gears and Pinions are all Heat Treated to 55-60RC (.30-.40 deep)
3. Heavy duty Tapered Roller Bearing (larger than required)
4. Ductile Iron Machined Housings
5. "10" Gearbox has 30:1 Ratio
6. "10" Gearbox has 2X Service Factor (Up to 20,000in lbs output torque)
7. "16" Gearbox has 36.7:1 Ratio
8. "16" Gearbox has 2X Service Factor (Up to 32,000in lbs output torque)
9. "25" Gearbox has 30:1 Ratio
10. "25" Gearbox has 2X Service Factor (Up to 50,000in lbs output torque)



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## Pump Jack Testing

Gearboxes: All gearboxes are 100% tested for the following:

1. Backlash
2. Noise Level
3. Run Under Load
4. Double Checked for Leaks and Cosmetics
5. Gears Checked for Pitch Diameter
6. Gears Checked for RC Hardness

Complete Units:

1. All units are 100% test run 1 hour prior to shipping
2. On Going Max Testing of units
3. 10, 16 and 25 units were run continuously for 72 hours with unbalanced weight, simulating 20,000, 32,000 and 50,000 in.lb. torque respectively.

**DRAKE PUMP JACKS**

**USA ENGINEERED, USA BUILT**

**3 YEAR WARRANTY**

**HIGHEST CAPACITY GEARBOX IN THE OILFIELD**

**QUICK TURN AROUND ON ORDERS**