



ZECK WB 1500/5-100

11,240 LB BULL WHEEL PULLER-TENSIONER

4.2 MPH PULL + TENSION SPEED



SPECS

ENGINE:

- US COMPLIANT 136 HP (100 KW) 3.6 L, 4 CYLINDER DEUTZ DIESEL ENGINE - TIER 4 FINAL
- EASY CURB SIDE ACCESS TO FILL CHECK AND FILTERS

PERFORMANCE IN TENSIONING MODE:

- MAX. TENSIONING FORCE - 11,240 LBS. | 50 KN
- **MAX. SPEED WITH MAX. TENSIONING FORCE - 4.2 MPH | 6.8 KM/H**
- ATS TENSIONING FORCE - 1,570 LBS. TO 11,240 LBS.
- ATS = AUTOMATIC TENSION CONTROL
- SLTS (LITE MODE) TENSIONING FORCE - 330 LBS. TO 2,500 LBS.
- SLTS = SMART LOW TENSION SYSTEM (MACHINE CAN BE USED IN STRINGING OPERATIONS NEEDING LOW TENSION FORCE, STATIC OR OPGW)

PERFORMANCE IN PULLING MODE:

- **MAX. PULLING FORCE - 11,240 LBS. | 50 KN**
- **MAX. SPEED - 4.2 MPH | 6.8 KM/H**
- **MAX. SPEED WITH MAX. PULLING FORCE - 2.2 MPH | 3.5 KM/H**

BULL WHEELS:

- NUMBER - 2
- DIAMETER - 59 1/16" | 1500 MM
- GROOVE - 1 3/4" | 45 MM
- NUMBER OF CONDUCTORS - 1 OPTIONAL - 2

DIMENSIONS | WEIGHT:

- LENGTH X WIDTH X HEIGHT APPROX. 19' LONG, 7'7" WIDE, 8'2" TALL
- WEIGHT APPROX. - 10,300 LBS. | 4700 KG

GROUND SUPPORT PLOW:

- 71" WIDE, ROBUST HYDRAULIC GROUND SUPPORT (PLOW) OFFERS RELIABLE STABILITY ALSO IN ROUGH TERRAIN. CONDUCTOR ANCHOR POINTS ON WIDE FRONT PLOW

REAR CONDUCTOR ROLLER GUIDE

- (3) COMPOSIT BOTTOM ROLLER DESING PROVIDES A MAXIMUM 5° DEFLECTION OF THE CONDUCTOR ENTERING THE MACHINE PROTECTING THE BEND RADIUS OF THE CONDUCTOR ENTERING THE MACHINE. (2) COMPOSIT SIDE ROLLERS PER SIDE PROTECT THE SIDE BEND RADIUS OF THE CONDUCTOR (MAXIMUM 5°) WHEN ENTERING THE MACHINE FROM THE REEL STANDS. (1) TOP COMPOSIT ROLLER STOPS THE CONDUCTOR FROM COMING OUT OF THE GUIDE SYSTEM WHEN IN OPERATION.

FRONT CONDUCTOR ROLLER GUIDE

- FRONT COMPOSIT ROLLER GUIDE WITH SIDE ROLLERS PROTECTS THE CONDUCTOR WIRE ROPE FROM COMING OFF THE BULLWHEELS WHEN IN OPERATION

ELEVATED WORK PLATFORM

- GALVANIZED ELIVATED GRIP STRUT WORK PLATFORM NEXT TO THE BULL WHEELS WITH GURD RAIL PROVIDING THE OPERATOR AN EASY AND SAFE WALKING PLATFORM WHEN THREADING THE BULLWHEELS OR INSTALLING SAFETY CONDUCTOR GRIPS. PLATFORM PROVIDES ENOUGH CLEARANCE FOR SIDE LOADING OR UNLOADING OF CONDUCTOR WHEN NEEDED.
- GALVANIZED CENTER BALLANCED LIFTING EYE WITH CONDUCTOR SAFETY/ GRIP ANCHOR POINT

CONTROL PANEL:

- ENCLOSED 6" FULL COLOR DISPLAY SCREEN - MONITORS AND DISPLAYS: PLC COMPUTER CONTROL SYSTEM FOR OPTIMIZED OPERATION, PRODUCTIVITY AND SAFETY PRESETTABLE PULLING & TENSIONING FORCES ACTUAL PULLING AND TENSIONING FORCES, LINE SPEED AND DIRECTION HYDRAULIC, DRIVE, AND ELECTRICAL SYSTEM MONITORING. INTELLIGENT SELF DIAGNOSIS AND FAULT RECOGNITION SYSTEM ZECK STRINGING DATA RECORDING SYSTEM WITH USB PORT ATS (HEAVY) AND SLTS (LIGHT) TENSIONING MODES JOYSTICK DIRECTIONAL CONTROL (MACHINE IS FULLY OPERATIONAL FROM THE MANUAL CONTROL PANEL CONTROLS IN CASE OF REMOTE FAILURE OR DAMAGE)

RADIO REMOTE CONTROL:

- DISPLAYS AND SELECTS PULL OR TENSION MODE, PULLING & TENSIONING FORCE, SPEED AND DISTANCE - SIMMIALR TO THE CONTROL PANEL DISPLAY SELF CENTERING JOYSTICK WITH CRUSE CONTROL FOR BULLWHEEL OPERATION, TENSION CONTROL ADJUSTMENT ENGINE START, STOP AND EMERGENCY STOP - SIMMIALR OPERATION AS THE CONTROL PANEL FUNCTIONS, SPARE BATTERY AND MACHINE MOUNTED CHARGER
- 10' HARD WIRE CORD FOR REMOTE OPERATION INCASE OF RADIO CONNECTION OR BATTERY FAILURE, STORAGE HANGER UNDER MAIN CONTROL STATION

AUXILLARY HYDRAULIC SYSTEM

- THREE HYDRAULIC AUXILLARY FITTINGS FOR USE WITH WINDER AND REEL STAND ACCESSORIES
- PRESSURE CONTROL VALVE WITH GAUGE TO CONTROL WINDER/REEL STAND PRESSURE FROM THE MACHINE
- DRIPLESS QUICK COUPLERS
- ZECK MACHINES HAVE BEEN DESIGNED TO WORK WITH CON DUX-TESMEC AND SHERMAN & REILLY REEL STANDS AND WINDERS
- AUTOMATIC HYDRAULIC OUL COOLER

SWIRLED FINISH ALUMINUM - MACHINE COVERS, DOORS AND PANNELS:

- COMPLETELY ENCLOSED MACHINE, CONTROL PANEL, ENGINE AND COMPONENTS. COVERS ARE MADE OF COLD ROLLED ALUMINUM
- EASY OPENING DOORS DUE TO LOCKABLE ROTARY HANDLES. THE FLAPS OPEN UPWARDS, OFFER PROTECTION AGAINST RAIN AND ARE KEPT OPEN BY GAS PRESSURE SPRINGS. USER AND DISPLAY ARE PROTECTED AGAINST SUN AND RAIN.
- STAINLESS STEEL FASTENERS AND HINGES

NOISE REDUCTION KIT:

- ZECK MACHINE IS EQUIPPED WITH COMPLEX AND EFFICIENT NOISE REDUCTION KIT

WIRING AND BATTERY:

- ALL ELECTRIC CONNECTIONS ARE LABLED, NUMBERED AND CAREFULLY INSTALLED TO PROTECTED AGAINST RAIN AND CORROSION. THE 24V BATTERY SYSTEM IS RELIABLE AND IMPROVES BEHAVIOR DURING STARTUP

PLANITARY DRIVE BULL WHEELS:

- EACH BULLWHEEL HAS ITS OWN ZECK PLANITARY DRIVE ASSEMBLY. NO MANUAL GEARS TO SHIFT TO SWITH FROM ATS TO STLS MODE
- EACH PLANITARY HAS A NEGATIVE SELF-ACTING HYDRAULIC BRAKE

BULLWHEEL GROOVE LINING: - 1 3/4" | 45 MM

- THE BULLWHEEL GROOVE LINING THAT HAS BEEN DEVELOPED FOR ZECK IS AS HARD AS POSSIBLE AND SOFT AS NEEDED. IT ALLOWS THE WIRE TO TURN IN THE BULLWHEELS, THEREFORE THE WIRE IS LESS TWISTED AND BETTER PROTECTED IN THE INSTALLATION PROCESS. THE ZECK GROOVE LINING IS CONTINUOUS.

ZECK AUTOMATIC CLAMPING SYSTEM:

- A SIMPLE PERMANENT CLAMPING OF THE ROPE BY A PRESSURE ROLLER IS ABSOLUTELY SUFFICIENT TO STOP SLIPPAGE IN THE BULL WHEELS

FRAME, STRUCTURE & TRAILER

- BOX TUBE STEEL FRAME CONSTRUCTION
- CLEAN, STRAIGHT CONTINUOUS WELDED SEAMS (NO SPOT WELDING)
- TANDEM 10,000 LB. DEXTER ELECTRIC BRAKE AXLES, OIL BATH HUBS, SPRING SUSPENTION
- ALUMINUM FENDERS WITH WHEEL CHALK HOLDERS FRONT & BACK
- ROBUST HYDRAULIC TONGUE JACK WITH LARGE DIAMETER BASE PLATE
- DOT LIGHTING, BATTERY TRAILER BREAK-AWAY, TRAILER PLUG
- 3" ADJUSTABLE PINTLE HITCH
- D-TYPE GROUNDING BARS FRONT AND REAR



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