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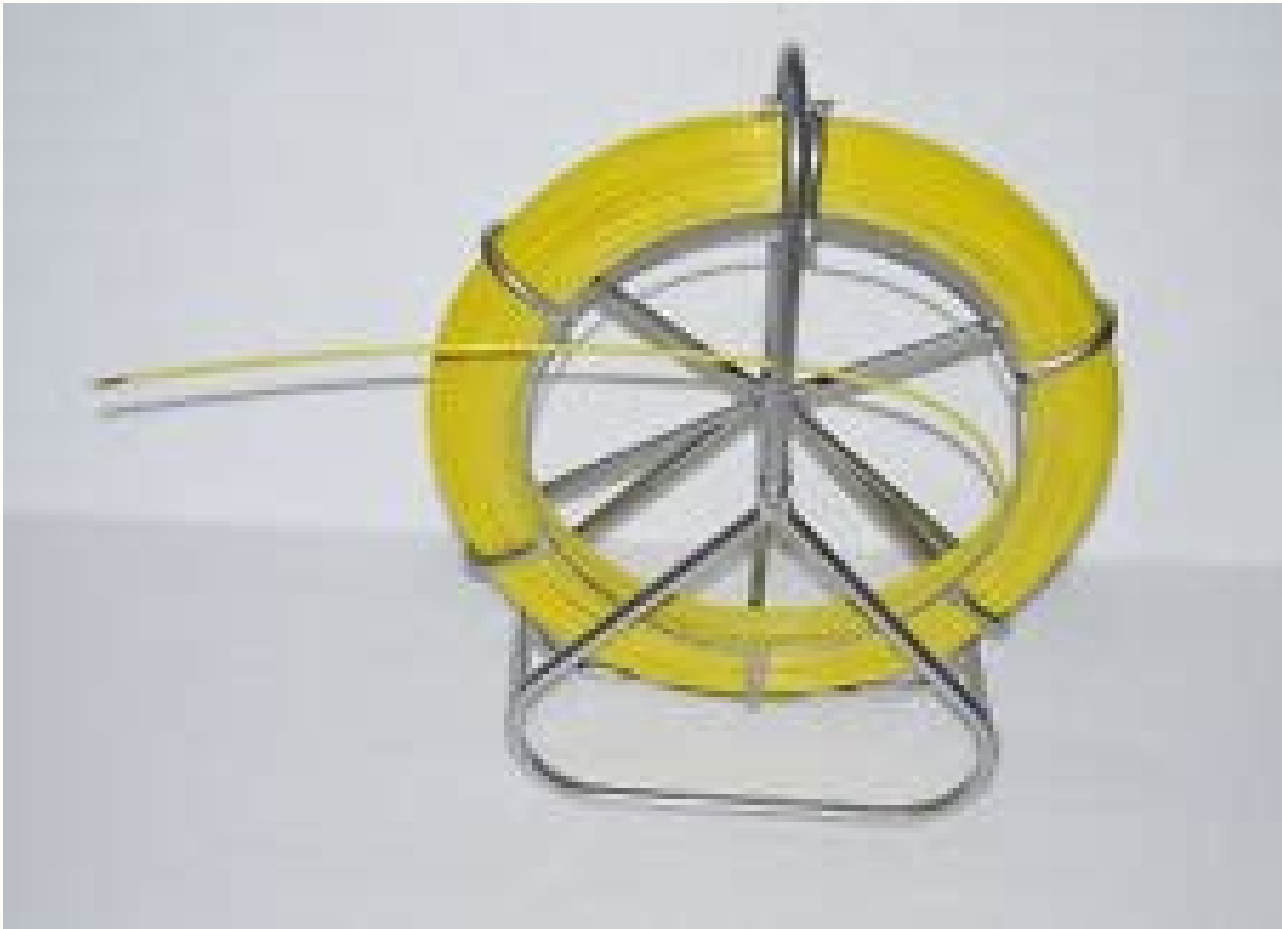
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Greenlee super tugger manual

Page 1 © Cable Puller and Pulling Packages with Serial Code ABJ Read and understand all of the instructions and safety information in this manual before operating or servicing this tool. 99920751 © 2007 Greenlee Textron Inc. IM 1259 REV 22 11/07... Maintenance38-39 At the Connectors18 Exposed Views / Parts Lists: At the Sheaves 19 Ultra Tugger (with wiring diagram) 40-41 Tailing the Rope: Gearmotor (50006460)42-43 Control of the Pull20 Motor (50006649) 44 Amount of Tailing Force Greenlee Textron Inc. shall not be liable for damages resulting from misapplication or misuse of its products. Ultra Tugger is a registered trademark of Greenlee Textron Inc. Versi-Boss is a trademark of Greenlee Textron Inc. Loclitte and 242 are registered trademarks of Loclitte Corporation. Failure to observe this warning will result in severe injury or death. Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Page 5 Average Breaking Strength: result in severe injury or death. at least 143 kN (32,000 lb) Failure to observe this warning could result in severe injury or death. Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Page 6 Do not stand in spent coils or tailed rope. Hold rope so that it may be Parts may strike nearby personnel. released quickly. Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... © IMPORTANT SAFETY INFORMATION Inspect pulley and accessories before use. Replace When using the wheeled carriage to transport the any worn or damaged components with Greenlee Ultra Tugger: replacement parts. A damaged or improperly assem- • Keep personnel out of the path of transport. Do not use an adapter. 20-Amp / 115-Volt Plug and Grounded Receptacle Plug Receptacle Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Ultra Tugger Cable Puller and Pulling Packages © Identification Ultra Tugger Cable Puller, Mount 1. Motor 8. Rope Ramp 2. Circuit Breaker/Switch 9. Hitch Clip 3. Mounting Plates 10. Gearbox 4. Rope Tie-Off 11. Mounting Pin 5. Adjustable Sheave Bracket 12. 12. Mounting Pins 4. Sight Hole 13. Hitch Pin Clips 5. Mounting Pin 7. Puller 8. Force Gauge Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... 28.9 kN (6500 - 8000 lb)15 minutes on / 15 minutes off Pulling Rope: Required Rope 18" diameter Double-braided, polymeric composite Average Breaking Strength 143 kN (32,000 lb) minimum Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Newtons (metric) or pounds; a cable puller is usually described by the maximum pulling force that it can develop Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... The maximum the text. rated capacity of every component must meet or Greenlee strongly recommends that each member of exceed the cable puller's maximum pulling force, the cable pulling crew review this section of the manual before each cable pull. Cable Pulling Theory Illustrated Friction Gravity Pulling Force 35.6 kN (8000 lb) Conduit Weight of Cable Tailing Force Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Pulling Force at the Cable Puller's Anchoring System Pulling Force 35.6 kN (8000 lb) 35.6 kN (8000 lb) 35.6 kN Maximum Maximum Pulling Force at Anchoring System Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... The Capstan as a Force Multiplier Pulling Force: 35.6 kN (8000 lb) Tailing Force Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Double-braided composite rope is the only type of rubber band when it is stretched. Failure of the rope or rope recommended for use with the Ultra Tugger cable any other component of the pulling system can cause a puller. Select a double-braided composite rope with... Two types of wire connectors—wire grips and pulling video to find the correct size. grips—are available. The wire grip uses a set screw 3. See the maximum rated capacities in the Greenlee to clamp onto the conductors of the cable. The pulling catalog, Cable Puller and Pulling Packages © Cable Pulling Principles (cont'd) Cable Pulling Forces (cont'd) Resultant Force Table for the Ultra Tugger (35.6 kN or 8,000 lb Maximum Pulling Force) At the Sheaves Sheaves are used to change the direction of the pull. When the rope resumes its normal path, apply tailing force and continue the pull. There is no suggested remedy for a rope overlap. Do not allow the rope to overlap! Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070...

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Mounting Plates 10. Gearbox 4. Rope Tie-Off 11. Mounting Pin 5. Adjustable Sheave Bracket 12. 12. Mounting Pins 4. Sight Hole 13. Hitch Pin Clips 5. Boom Mount 14.



19 Ultra Tugger (with wiring diagram) 40-41 Tailing the Rope: Gearmotor (500066460) 42-43 Control of the Pull 20 Motor (500066649) 44 Amount of Tailing Force Greenlee Textron Inc. shall not be liable for damages resulting from misapplication or misuse of its products. Ultra Tugger is a registered trademark of Greenlee Textron Inc. Versi-Boom is a trademark of Greenlee Textron Inc. LocTite and 242 are registered trademarks of Loctite Corporation. Failure to observe this warning will result in severe injury or death. Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Page 5 Average Breaking Strength: result in severe injury or death, at least 143 kN (32,000 lb) Failure to observe this warning could result in severe injury or death. Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... Page 6 Do not stand in spool coils or tailed rope. Hold rope so that it may be Parts may strike nearby personnel. released quickly. Greenlee / A Textron Company 4455 Boeing Dr. • Rockford, IL 61109-2988 USA • 815-397-7070... © IMPORTANT SAFETY INFORMATION Inspect puller and accessories before use. Replace When using the wheeled carriage to transport the any worn or damaged components with Greenlee Ultra Tugger: replacement parts. A damaged or improperly assembled - Keep personnel out of the path of transport.

