

LR-1 LIBERATOR KIT

1. 40” RAM SPECIFICATIONS

- 1.1 Ram shall be environmentally sound, such that there are no hydraulic or gasoline fluids.
- 1.2 Ram shall be lightweight and portable.
- 1.3 Ram shall be suitable for outdoor and indoor use.
- 1.4 Ram shall be capable of accepting and engaging the tips of a spreader-type rescue tool and transmitting the spreading force generated by the spreader tool to the ram members for exerting spreading forces, up to a maximum of 18,000 lbs.
- 1.5 Ram shall be capable of accepting spreader-type rescue tool tips up to 2 in. (5.08 cm) in width.
- 1.6 Ram shall use the ZipNut® Double Zip device to safely and automatically hold the working load.
- 1.7 Ram shall be designed to prevent accidental release while the ram is under load.
- 1.8 Ram shall provide safe and quick release of the locking mechanism while the load is supported by a spreader-type rescue tool or if the load has been removed.
- 1.9 Ram shall be capable of manual quick extension and automatic locking, for applications such as stabilizing and shoring.
- 1.10 Ram shall be capable of being extended or retracted manually by turning the threaded primary or secondary extenders.
- 1.11 Fully extended length shall be at least 41 in. (104.1 cm)
- 1.12 Fully retracted length shall be less than 23 in. (58.4 cm)
- 1.13 Power stroke length shall be at least 12 in. (30.5 cm)
- 1.14 Ram secondary extender adjustment shall be at least 6 in. (15.2 cm)
- 1.15 Weight, including handle, shall not exceed 36 lbs. (16.3 kg)
- 1.16 Gripping end attachments shall be easily removable for quick change or replacement.
- 1.17 Ram base shall be capable of accepting a coupler to connect two rams back to back, or to add extensions or swivel bases.

2. 25” RAM SPECIFICATIONS

- 2.1 Ram shall be environmentally sound, such that there are no hydraulic or gasoline fluids.
- 2.2 Ram shall be lightweight and portable.
- 2.3 Ram shall be suitable for outdoor and indoor use.

- 2.4 Ram shall be capable of accepting and engaging the tips of a spreader-type rescue tool and transmitting the spreading force generated by the spreader tool to the ram members for exerting spreading forces, up to a maximum of 18,000 lbs.
- 2.5 Ram shall be capable of accepting spreader-type rescue tool tips up to 2 in. (5.08 cm) in width.
- 2.6 Ram shall use the ZipNut® Double Zip device to safely and automatically hold the working load.
- 2.7 Ram shall be designed to prevent accidental release while the ram is under load.
- 2.8 Ram shall provide safe and quick release of the locking mechanism while the load is supported by a spreader-type rescue tool or if the load has been removed.
- 2.9 Ram shall be capable of manual quick extension and automatic locking, for applications such as stabilizing and shoring.
- 2.10 Ram shall be capable of being extended or retracted manually by turning the threaded primary or secondary extenders.
- 2.11 Fully extended length shall be at least 27 in. (68.6 cm)
- 2.12 Fully retracted length shall be less than 16 in. (40.6 cm)
- 2.13 Power stroke length shall be at least 5 in. (12.7 cm)
- 2.14 Ram secondary extender adjustment shall be at least 6 in. (15.2 cm)
- 2.15 Weight, including handle, shall not exceed 27 lbs. (9.2 kg)
- 2.16 Gripping end attachments shall be easily removable for quick change or replacement.
- 2.17 Ram base shall be capable of accepting a coupler to connect two rams back to back, or to add extensions or swivel bases.

3. COUPLING for Rams

- 3.1 A threaded double-male steel couplings shall be provided for connecting two rams back-to-back or adding ram extensions.