

SPECIFICATIONS

for

HYDRAULIC RESCUE TOOLS

The following specifications for rescue tools are designed to assist the buyer in purchasing a quality and dependable rescue tool system which will provide years of dependable service and uphold the highest safety standards available today.

The following specifications list the minimum requirements for a hydraulic rescue tool system. Each bidder shall complete all bidder complies/bidder does not comply with an "X". Any bid failing to do so will be considered incomplete and will be rejected immediately.

Any exceptions, deviations, or differences between bidder's rescue tool system/rescue tools and the following specifications shall be noted and a complete explanation shall be provided with bid. Bidder complies shall mean that the product being offered by bidder meets or exceeds the specifications. Each bid shall be provided with tool specifications and/or literature on the rescue tool system being offered.

The following hydraulic rescue tool system shall be utilized in emergency situations; therefore, any rescue tools bid must meet the minimum requirements to be considered. All information requested is required to be provided. Any information requested that is not provided will render the bid incomplete and will result in the immediate rejection of the bid.

As a safety precaution, the complete rescue tool system shall utilize mineral based oil (systems utilizing phosphate ester hydraulic oil will not be considered). The following hydraulic rescue tool system shall operate with a minimum 10,000psi and a maximum 10,500psi (724bar).

Bidder shall include the location of the nearest service center. Should factory service or repair be required for any of the following equipment, bidder shall show proof that replacement equipment can be provided within 24 hours. Bid price shall include full training for individuals in the proper use and care of hydraulic rescue tools. Training shall be performed at a time and location convenient for the purchaser.

The manufacturer of the rescue tools is ISO 9001: 2000 Registered.

Bidder Complies _____ Bidder Does Not Comply _____

The tools must be labeled by the actual manufacturer of the rescue tools with the actual manufacturer's information and not relabeled by a secondary organization.

Bidder Complies _____ Bidder Does Not Comply _____

EXTRICATION SPREADER

1. The Spreader shall have a minimum opening of 25" at the tips.
Bidder Complies _____ Bidder Does Not Comply _____
2. Aluminum used in the construction of the Spreader body shall have an anodized finish. Spreader arms shall be aluminum. Painted or polished aluminum will not be acceptable for any part of tool.
Bidder Complies _____ Bidder Does Not Comply _____
3. Spreader shall have a minimum spread force of 29,000 lbs. and a minimum pulling force of 8,900lbs.
Bidder Complies _____ Bidder Does Not Comply _____
4. Spreader shall have a maximum deployment weight of 45 lbs.
Bidder Complies _____ Bidder Does Not Comply _____
5. Spreader shall have automotive/grabber-jaw tips that will perform all spreading and crushing techniques commonly used in extrication without the need to change tips. Tips shall be constructed of hardened tool steel, and shall not be field removable. Each spreader arm shall have a hole for attaching pulling attachments.
Bidder Complies _____ Bidder Does Not Comply _____
6. Spreader control shall be a twist/star type handle for easy operation in any position. A D-Ring handle with a powder-coated finish (chrome D-Ring handle will not be acceptable) shall be positioned to provide balance for the tool and shall be accessible regardless of the tool position. The control valve shall be a variable speed dead-man control for safety. The Spreader shall be a one-man operated tool.
Bidder Complies _____ Bidder Does Not Comply _____
7. Spreader shall incorporate a dual safety check valve for no load drop and an Automatic Safety Relief Device to prevent over pressurization (Male bleeder coupler will not be acceptable as a Safety Relief Device).
Bidder Complies _____ Bidder Does Not Comply _____
8. Spreader shall have pigtail hoses with quick-connect ¼ turn automatic locking couplers. Pigtails shall exit at the bottom of the tool toward the rear of the tool. Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool. All quick-couplers shall be equipped with dust covers to protect couplers from contamination. For safety purposes the spreaders shall have a bleeder coupler on the return pigtail.
Bidder Complies _____ Bidder Does Not Comply _____
9. Spreader shall be manufactured and assembled wholly within the United States of America. Spreader must carry a lifetime warranty on materials and workmanship. Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three-year warranty.
Bidder Complies _____ Bidder Does Not Comply _____

EXTRICATION CUTTER

1. The cutter tool shall have a minimum spread of 6".
Bidder Complies _____ Bidder Does Not Comply _____
2. Aluminum used in the construction of the primary cutter tool shall have an anodized finish. Painted aluminum will not be acceptable.
Bidder Complies _____ Bidder Does Not Comply _____
3. Cutter tool shall have a minimum 150,000 lbs. cutting force.
Bidder Complies _____ Bidder Does Not Comply _____
4. Cutter tool shall have a maximum deployment weight of 45 lbs.
Bidder Complies _____ Bidder Does Not Comply _____
5. Cutter tool shall have high strength tool steel heat-treated blades. The blades shall have a serrated surface on the cutting side with a spread surface on the backside. Blades shall be a minimum ¼" thick (each blade), and be re-grindable. (Forged or cast blades will be unacceptable.)
Bidder Complies _____ Bidder Does Not Comply _____
6. Cutter tool control shall be a twist/star type handle for easy operation in any position. A D-Ring handle with powder-coated (chrome D-Ring handle will not be acceptable) shall be positioned to provide balance for the tool and shall be accessible regardless of the tool position. The control valve shall be a variable speed dead-man control for safety. The combination tool shall be a one-man operated tool.
Bidder Complies _____ Bidder Does Not Comply _____
7. Cutter tool shall incorporate an Automatic Safety Relief Device to prevent over pressurization (Male bleeder coupler will not be acceptable as a Safety Release Device).
Bidder Complies _____ Bidder Does Not Comply _____
8. Cutter tool shall have pigtail hoses with quick-connect ¼ turn automatic locking couplers. Pigtails shall exit at the bottom of the tool toward the rear of the tool. Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool. All quick-couplers shall be equipped with dust covers to protect couplers from contamination. For safety purposes the tool shall have a bleeder coupler on the return pigtail.
Bidder Complies _____ Bidder Does Not Comply _____
9. Cutter tool shall be manufactured and assembled wholly within the United States of America. Combination tool must carry a lifetime warranty on materials and workmanship. Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three-year warranty.
Bidder Complies _____ Bidder Does Not Comply _____
10. The tool shall be UL (Underwriters Laboratories) "Classified" and compliant with NFPA 1936 *Standard on Powered Rescue Tools*, 2005 Edition.
Bidder Complies _____ Bidder Does Not Comply _____

40" RAM

1. The Ram shall have a minimum extended length of forty inches (40.00") and a minimum 14.00" stroke.
Bidder Complies _____ Bidder Does Not Comply _____
2. Ram shall have a minimum 33,000 lbs. pushing force and 17,890 lbs. pulling force.
Bidder Complies _____ Bidder Does Not Comply _____
3. Ram shall have a maximum deployment weight of 37 lbs.
Bidder Complies _____ Bidder Does Not Comply _____
4. Ram shall have penetrating teeth on both Ram tip and base for increased safety during displacement of various structures. Ram shall be capable of performing pulling operations, by utilizing the same pulling attachments as the Spreader.
Bidder Complies _____ Bidder Does Not Comply _____
5. Ram control shall be a twist type handle for easy operation. Control handle shall run parallel with Ram cylinder creating a sleek, compact and easy to use tool. The control valve shall be a variable speed dead-man control for safety. The Ram shall be a one-man operated tool.
Bidder Complies _____ Bidder Does Not Comply _____
6. Ram shall incorporate an Automatic Safety Relief Device to prevent over pressurization (Male bleeder coupler will not be acceptable as a Safety Release Device).
Bidder Complies _____ Bidder Does Not Comply _____
7. Ram shall have pigtail hoses with quick-connect ¼ turn automatic locking couplers. Pigtails shall exit between the control valve and the Ram cylinder to protect the pigtail hoses from damage. Quick-connect couplers shall be provided to facilitate the quick and easy connect and disconnect of the tool. All quick-couplers shall be equipped with dust covers to protect couplers from contamination. For safety purposes the ram shall have a bleeder coupler on the return pigtail.
Bidder Complies _____ Bidder Does Not Comply _____
8. Ram shall be manufactured and assembled wholly within the United States of America. Ram must carry a lifetime warranty on materials and workmanship. Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three-year warranty.
Bidder Complies _____ Bidder Does Not Comply _____
9. Ram shall be UL (Underwriters Laboratories) "Classified" and compliant with NFPA 1936 *Standard on Powered Rescue Tools*, 2005 Edition.
Bidder Complies _____ Bidder Does Not Comply _____

I. GASOLINE SIMO POWER UNIT with cage

1. Hydraulic fluid shall be mineral base. Power unit shall operate two (2) hydraulic rescue tools simultaneously (simo*) with no power loss to either tool. Power unit shall operate with a minimum 10,000psi and a maximum 10,500psi. Power unit shall have a minimum hydraulic oil reservoir of .85 U.S. Gallons.
Bidder Complies _____ Bidder Does Not Comply _____
2. Power unit shall have two (2) hydrostatic two stage radial piston over piston hydraulic pumps that share one reservoir. Each hydraulic pump shall have a control lever to engage or disengage the hydraulics. Power unit shall have an internal safety relief valve to prevent over pressurization of unit.
Bidder Complies _____ Bidder Does Not Comply _____
3. Power unit shall have two (2) first stage settings at 3,200 psi each and two (2) second stage settings at 10,500 psi each.
Bidder Complies _____ Bidder Does Not Comply _____
4. Control levers for tool operation shall be located just above tool connection. Quick-connect ¼ turn automatic locking couplers shall be provided for each pump connection. All quick-couplers shall be equipped with dust covers to protect couplers from contamination.
Bidder Complies _____ Bidder Does Not Comply _____
5. Because of limited space, power unit size shall be a maximum of 23.00" long x 15.00" tall x 15.00" wide and shall have a maximum deployment weight of 78 lbs. Each manufacturer shall include with bid, the sizes of their power unit. Power units must incorporate a roll-cage design.
Bidder Complies _____ Bidder Does Not Comply _____
6. Power unit shall be equipped with a flip-down handle for compact storage and easy lifting. All aluminum used in the construction of power unit shall be anodized. Power unit shall be equipped with rubber anti-vibration feet that will protect bottom of unit from harm while in use or in storage.
Bidder Complies _____ Bidder Does Not Comply _____
7. Power unit shall be driven with a minimum 6.5 hp gasoline engine. Engine shall be a horizontal shaft Honda four stroke, O. H. valve; one cylinder with a minimum 196cc. Honda engine shall have an approximate run time of two hours. Honda engine shall have a minimum two-year warranty. Power unit will have an hour meter.
Bidder Complies _____ Bidder Does Not Comply _____
8. Pump shall be manufactured and assembled wholly within the United States of America. Pump must carry a lifetime warranty on materials and workmanship. Any parts not manufactured by the rescue tool manufacturer (e.g., hose, couplers, etc.) shall carry a minimum three-year warranty.
Bidder Complies _____ Bidder Does Not Comply _____
9. Pump shall be UL (Underwriters Laboratories) "Classified" and compliant with NFPA 1936 *Standard on Powered Rescue Tools*, 2005 Edition.
Bidder Complies _____ Bidder Does Not Comply _____

II. HOSES AND HOSE REELS

1. The rescue tool system shall be equipped with 6 (QUANTITY) twin line extension hoses. Hoses shall have quick-connect ¼ turn automatic locking couplers and shall be a minimum of 30 feet long. Each quick-coupler shall be equipped with dust covers to protect couplers from contamination. Hoses shall be color coded for ease of identification. Hoses shall be banded with a quality banding. (Zip ties and the like do not constitute professional banding.) Hoses shall successfully pass testing by a third party as required by NFPA 1936 *Standard on Powered Rescue Tools*, 2005 Edition.

ACCESSORIES

1. The following accessories shall be provided with the hydraulic rescue tool system.

WARRANTY INFORMATION

1. Bidder shall state any and all warranties covering the product being offered.

BID COMPLIANCE

1. The undersigned hereby acknowledges that he/she has made a complete and total review of the above and foregoing specifications and is authorized by bidder to sign as its official representative. Bidder hereby states that all paragraph compliance indications are true and correct. Should there be any deviations made from the bid compliance indications to the proposal provided by bidder, it is understood that such a deviation would cause immediate rejection of bidder's proposal. Any bid not signed below will be rejected immediately.

Signature _____ Title _____