

SPECIFICATIONS

Pneumatic Impact Tool System

Introduction

These purchase specifications cover the minimum requirements for a Pneumatic Impact Tool System to be purchased by _____. Emergency personnel for cutting metal and composites, breaking masonry walls, penetrating concrete floors, forcible entry and digging during tunnel operations, shall use this system. This system will consist of the following components and accessories:

- One Pakhammer 90 w/ Inline Oiler
- One Pressure Regulator
- One Hose
- Three Bits
- Oil
- One Tool, retainer service
- Two Hex keys
- One Manual
- One pair of Goggles
- One Storage and carrying case

Instructions to Bidders

Bidders shall conform as much as possible to these specifications. Exceptions or omissions must be set out in writing on a separate sheet entitled “Exceptions” which must accompany the bid. Failure to do so will result in an automatic rejection of the bid.

The buyer shall be the sole interpreter of the intent of any clause of these specifications and shall be the sole judge as to whether the equipment or any part thereof complies with the specifications.

The buyer reserves the right to reject any and all bids, to waive informalities in bidding, to negotiate small options with the successful bidder and to accept the bid, which in the opinion of the buyer, will be in its best interests.

General Construction Features

The Pneumatic Impact Tool System will allow for immediate operation from any compressed air source. The Pneumatic Impact Tool System shall consume air only on the power stroke. The Pneumatic Impact Tool System shall be lightweight, have very low air consumption and have a wide range of power settings.

Dimensions and Capacities

The Pneumatic Impact Tool System shall adhere to the following technical information:

Length	27.6 in. (702 mm.)
Width	7.5 in. (190 mm.)
Thickness	2.3 in. (57 mm.)
Weight (Pakhammer 90 without bit)	11.3 lb. (5.1 kg.)
Air Pressure Range	40 – 250 psi (2.8 – 17.2 Bar)
Air Consumption at 100 – psi	6.1 CFM (154 L / min.)
Blows / Minute (Approx.)	400
Power Output	97 ft. / lb. (13.5 m. / kg.) @ 250 – psi (17.2 bars) to 27 ft. / lb. (3.7 m. / kg.) @ 50 – psi (3.5 bars)
Kit Weight	46 lb. (20.9 kg.)
Kit Dimensions	37.0 in. long (940 mm.) 18.0 in. wide (457 mm.) 7.0 in. high (177 mm.)

Pakhammer 90, w/ Inline Oiler

The Pneumatic Impact Tool System shall include a Pakhammer 90 with an Inline Oiler. The Pakhammer 90 will be a 400 blow per minute, 11.3 lb (5.1 kg.) Pneumatic Impact Tool. The Pakhammer 90's unique lightweight design combined with the ability to operate from portable air cylinders makes it ideal for train rescue, high rise work, collapse rescue or any situation that requires a powerful impact tool operating from a limited air supply.

Pressure Regulator

There shall be a Pressure Regulator with a variable output feature controlled by regulating the outlet pressure. The Pressure Regulator shall operate with pressures from 6000 to 300–psi.

Hose

A 32 ft. (9.75 m.) length of 300–psi wp (20.6 bar) Hose shall be provided.

Bits

The Pneumatic Impact Tool System shall include three heat-treated tool steel bits. One 14 in. x 1 in. (356 mm. X 25.4 mm.) Chisel Bit, one 11 in. (280 mm.) Curved Metal Cutter and one 14 in. (356 mm.) Bullpoint Bit.

Oil

There shall be 4 oz. (124 g.) of a high quality, lightweight air tool lubricating oil included.

Tool, Retainer Service

A device shall be provided to tighten and remove the Bit Retainer.

Hex key

Two hex keys shall be included for field service. One hex key shall be 7/32 in. (5.56 mm.) and the other shall be 3/16 in. (4.76 mm.)

Manual

There shall be an illustrated operation and maintenance manual included. The manual shall be written in compliance with U.S. Military requirements for commercial training manuals. The manual shall provide details on operation, field maintenance, parts list and repair.

Goggles

Hard plastic safety goggles shall be provided for safety while operating a Pneumatic Impact Tool.

Storage & Carry Case

A heavy-duty waterproof composite storage and carry case shall be provided for the Pneumatic Impact Tool System.

Warranty

The seller shall be required to furnish a warranty on the complete Pneumatic Impact Tool System as described in these specifications for the service intended of the buyer. All equipment furnished by the successful bidder shall be warranted against all defects in material and workmanship for a period of at least one year from the date of acceptance. The seller agrees to replace, without charge, any parts shown to be defective under the terms of this warranty.

Use, Care and Maintenance Manual

Seller shall provide an illustrated step-by-step guide on the use, care and maintenance of the Pneumatic Impact Tool System provided.

