

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 _____ individual components and accessories.

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.

Airgun 40 w/ Inline Oiler & Airgun 40 SC

The Pneumatic Impact Tool System shall include an Airgun 40 with an Inline Oiler. The Airgun 40 shall be a 600 blow per minute, 7 lb (3.18 kg.), Pneumatic Impact Tool. The Pneumatic Impact Tool System shall also contain an Airgun 40 SC. The Airgun 40 SC contains a Cylinder with 3000-psi composite as a self-contained unit and a self-contained Cylinder Rack.

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 lb (5 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 Pressure Regulators with a variable output feature controlled by regulating the outlet pressure. The piston-type Pressure Regulator shall operate with pressures from 6000 to 310–psi. The Preset Pressure Regulator shall operate with pressures from 6000 to 175–psi.

Hose

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

Oil

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

Bits

The Pneumatic Impact Tool System shall include a variety of heat-treated tool steel bits:

Designation	Dimensions
Curved metal cutter	10 in., 1 in. wide (254 mm. X 25.4 mm.)
Curved metal cutter	11 in. (280 mm.)
Dual cutter w/ bullpoint	11 in. (280 mm.)
Heavy duty metal cutter	10 in. w/ 0.5 in. depth of cut (254 mm.)
Heavy duty metal cutter	11 in. (280 mm.)
Lock Breaker	10 in. (254 mm.)
Lock Breaker	11 in. (280 mm.)
Bullpoint	11 in. (280 mm.)
Bullpoint	14 in. (346 mm.)
Chisel	11 in., ¾ in. wide (280 mm.)
Chisel	14 in., 1 in. wide (346 mm. X 25.4 mm.)
Chisel	16 in. (406.4 mm.)
Chisel	20 in. (508 mm.)
Deep – panel cutter for metals	1.2 in. (30.5 mm.)
Deep – panel cutter w/ relief	1.1 in. (28 mm.)
Spade	20 in. x 3 in. (508 mm. X 76 mm.)
Piercing Applicator	6 in. x ¾ in. O.D. x ½ in. (152 mm. X 19 mm. X 13 mm.)
Piercing Applicator	14 in. x 1 in. O.D. x ¾ in. (346 mm. X 25.4 mm. X 19 mm.)

Driver for Neoprene Plug

A Driver for a Neoprene Plug shall be included in certain kits for field service.

Neoprene Plug

A Neoprene Plug 4 in. (102 mm.) long and ¾ in. (19 mm.) to 1.5 in. (38 mm.) in diameter shall be included in certain kits.

Coupling

The Pneumatic Impact Tool System shall contain a 1-1/2 in. (38.1 mm.) Coupling for easy connection in certain kits.

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.)

Video Tape

The Pneumatic Impact Tool System shall provide an introductory videotape for explanations regarding the application and usage of the system.

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

Heavy-duty waterproof composite storage and carry cases 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.