

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 Airgun 40, 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	21.2 in. (538 mm.)
Width	6.125 in. (197 mm.)
Thickness	1.875 in. (48 mm.)
Weight (Airgun without bit)	7.0 lb. (3.18 kg.)
Air Pressure Range	40 – 250 psi (2.8 – 17.2 Bar)
Air Consumption at 100 – psi	5.2 CFM (137 L / min.)
Blows / Minute (Approx.)	600
Power Output	40 ft. / lb. (5.5 m. / kg.) @ 250 – psi to 6 ft. / lb. (0.83 m. / kg.) @ 50 – psi
Kit Weight	31 lb. (14.06 kg.)
Kit Dimensions	24.0 in. long (609 mm.) 21.0 in. wide (533 mm.) 9.0 in. high (229 mm.)

Airgun 40 w/ Inline Oiler

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

Pressure Regulator

The Pressure Regulator shall have a variable output feature controlled by regulating the outlet pressure of the regulator. The Pressure Regulator shall operate with pressures from 6000 to 310 –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 10 in. (254 mm.) Curved Metal Cutter, one 11 in. (280 mm.) Chisel and one 11 in. (280 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.