

# **Specifications**

## **Forcible Entry System**

### **Biel Tool**

#### **Introduction**

These purchase specifications cover the minimum requirements for a Forcible Entry Tool System to be purchased by \_\_\_\_\_. This system will consist of \_\_\_\_\_ individually sized Biel Tools. This equipment is to be utilized by emergency personnel for the purposes of prying, enlarging openings, cutting sheet metal, twisting off locks and latches, gas shut off, pulling nails and a spanner wrench

#### **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 the 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.

#### **Biel Tool**

One (1) Paratech Biel Tool, #22-000550, shall be provided that complies with SAE international Aerospace Standard AS5402 and NTSB Crash Axe requirements. The body is cast from high strength, corrosion resistant, 17-4 PH Stainless Steel with a H900F heat treatment to yield hardness of 38-42 Rc. The tool is electro-polished to a maximum of .001" (.0254 mm) before a rubber grip gets transfer molded onto its midsection. The rubber material used for the grip has a flammability rating that meets the ASTM-E-162-67 radiant panel test with a flame propagation index not to exceed 35, with added provision that there shall be no flaming drippings. Also, the rubber grip smoke emission passes the national fire protection association standard no. 258 (Smoke Generated by Solid Materials) by having an optical density not exceed 100, in both flaming and non-flaming modes, within 4 minutes.

#### **Features**

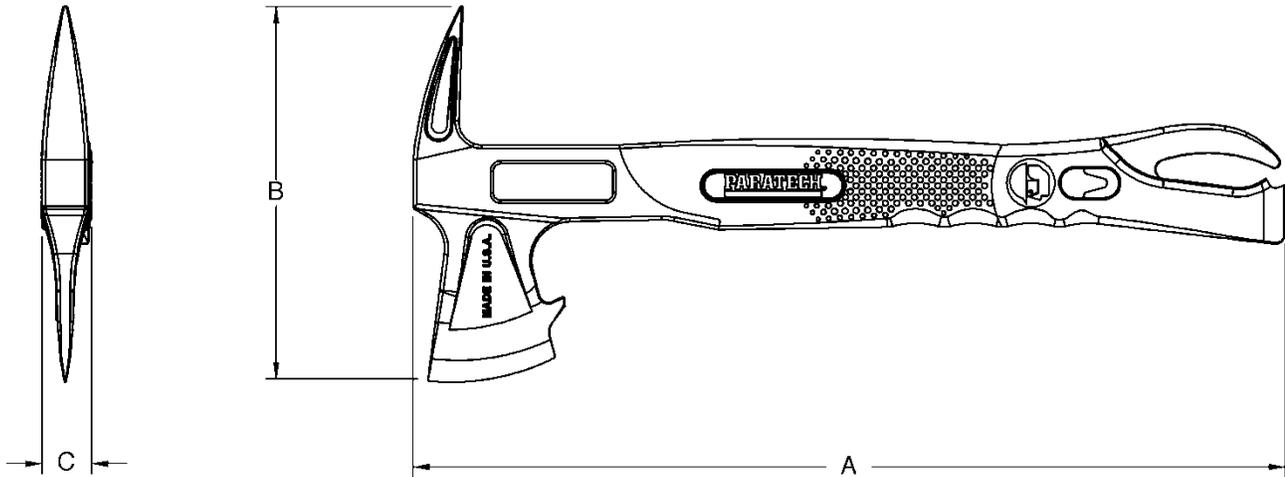
Biel Tool features include an axe blade with relief depressions so it can be easily removed from deep penetration. The pike has an "H" shaped, tapered cross-section that prevents it from being stuck in penetrated materials. A spanner wrench is located below the axe blade for use on Paratech Rescue Struts. The sheet-metal cutting claw can be used on materials up to 1/8" (3.175 mm) thick and is shaped to prevent jamming during cuts. An ergonomic nail puller and gas shut off slot are also integrated into the tool.

Body Assembly weight, 3.3 lbs. (1.5 kg)

Max overall length, A = 15.0" (380 mm)

Max overall width, B = 6.47" (164.3 mm)

Max overall thickness, C = .86" (21.8 mm)



### **Warranty**

The seller shall be required to furnish a warranty on the complete MBR Modular Battering Ram kit as Described in these specifications for the service of the intended buyer. All equipment furnished by the successful bidder shall be given a lifetime warranty against all defects in material and workmanship 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 MBR Modular Battering Ram kit.