

Specifications

Tactical Forcible Entry System Modular Battering Ram Kit

Introduction

These purchase specifications cover the minimum requirements for a Tactical Forcible Entry Tool System to be purchased by _____. This system will consist of _____ MBR (Modular Battering Ram) Kit. This equipment is to be utilized by emergency personnel for the purposes of Breaching doors, walls and different types of Barriers.

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.

Modular Battering Ram Kit Components

One (1) Paratech #22-000870T, Modular Battering Ram Kit, shall be provided. Each Kit shall consist of the following components:

Body Specification

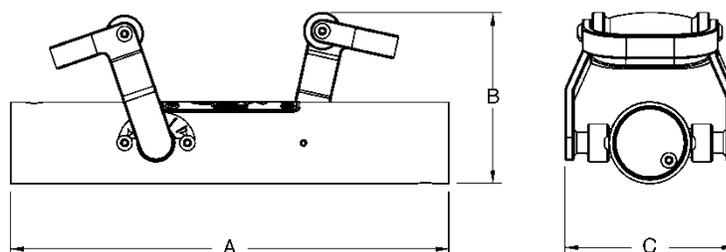
One (1) Paratech Modular Battering Ram Body, #22-000871T, shall be provided. The body is made from high strength 6061-T6511 aluminum tubing and either end will accept any one of three unique breaching heads or body coupler, making it truly ambidextrous. The body is stackable, using couplers, to create a multiple person ram of theoretically any length. Adjustable handles are formed using 3/8" high strength, low alloy steel plate. They can be set to 5-individual positions for personal preference and quickly adjusted to adapt for tight spaces or multiple man breaching situations. Adjustability is accomplished using a 4140 cold rolled steel gear spline, 12L14 steel bushing, and a knurled 12L14 lock collar. Integrated knuckle guards surround soft and durable EPDM foam grips to minimize operator shock and impact stress.

Body Assembly weight, 15.7 lbs. (7.1 kg)

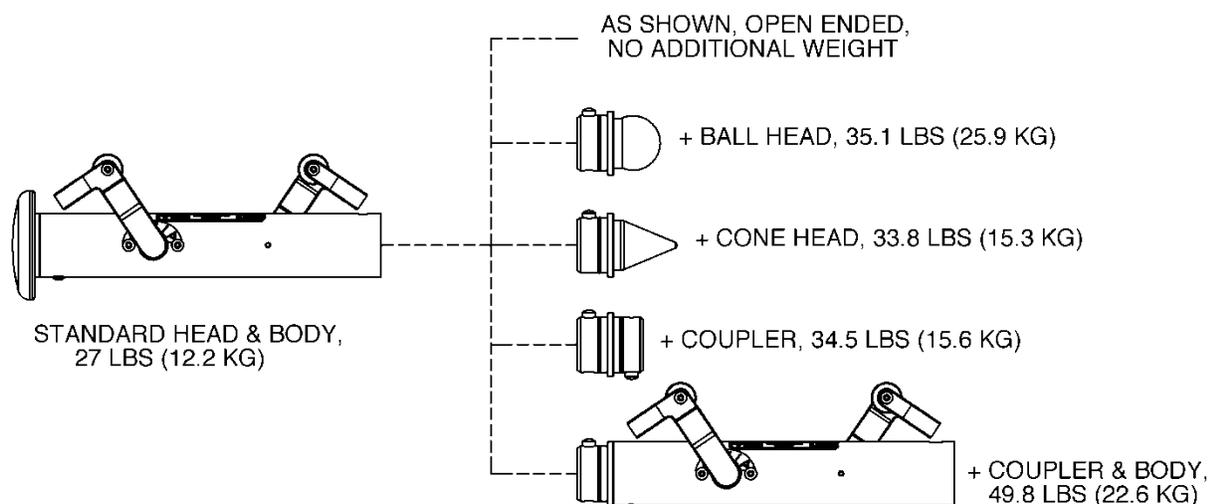
Max overall length, A = 18.8" (478 mm)

Max overall height, B = 7.4" (188 mm)

Max overall width, C = 7.3" (185 mm)



EXAMPLE MODULAR CONFIGURATIONS AND WEIGHTS



All visible components have a non-glossy black finish that is acceptable for use in covert tactical operations.

Standard Head

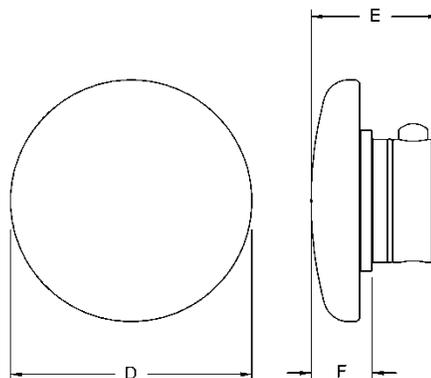
One (1) Paratech Standard Head Assembly, #22-015610T, shall be provided. A large diameter head provides maximum impact energy. Edges of the head have been rounded to disperse energy evenly to the breaching surface. The head is made from 12L14 steel and incorporates a spring loaded lock button for attachment to the body assembly. The lock button is made from 6061-T6511, high strength aluminum and attaches/releases from the body by pressing inward. Once installed into a body assembly, the lock button is below the surface of the body O.D., eliminating the possibility of damage.

Standard Head Assembly weight, 11.7 lbs. (5.3 kg)

Max overall diameter, $D = 6.0''$ (152 mm)

Max overall length, disassembled $E = 3.2''$ (81 mm)

Max overall length, assembled $F = 1.5''$ (38 mm)



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Ball Head

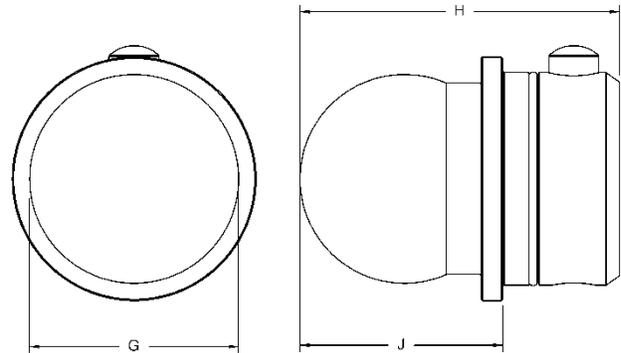
One (1) Paratech Ball Head Assembly, #22-015611T, shall be provided. This smaller and lighter tool head has a spherical contact surface designed for breaking. The head is made from 12L14 steel and incorporates a spring loaded lock button for attachment to the body assembly. The lock button is made from 6061-T6511, high strength aluminum and attaches/releases from the body by pressing inward. Once installed into a body assembly, the lock button is below the surface of the body O.D., eliminating the possibility of damage.

Ball Head Assembly weight, 8.1 lbs. (3.7 kg)

Max overall diameter, $G = 3.0''$ (76 mm)

Max overall length, disassembled $H = 4.6''$ (117 mm)

Max overall length, assembled $J = 2.9''$ (74 mm)



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Cone Head

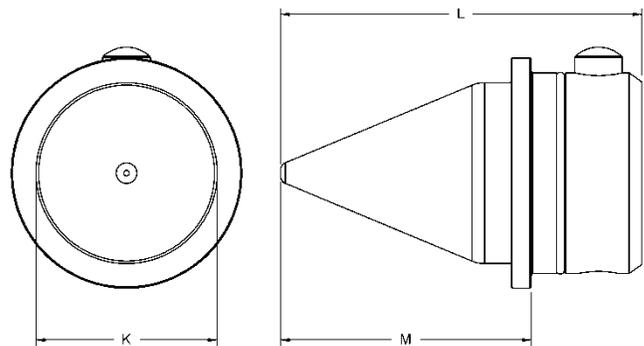
One (1) Paratech Cone Head Assembly, #22-015612T, shall be provided. This pointed tool head has a cone shape surface designed for piercing. The head is made from 12L14 steel and incorporates a spring loaded lock button for attachment to the body assembly. The lock button is made from 6061-T6511, high strength aluminum and attaches/releases from the body by pressing inward. Once installed into a body assembly, the lock button is below the surface of the body O.D., eliminating the possibility of damage.

Cone Head Assembly weight, 6.8 lbs. (3.1 kg)

Max overall diameter, $K = 2.8''$ (71 mm)

Max overall length, disassembled $L = 5.5''$
(140 mm)

Max overall length, assembled $M = 3.8''$ (97 mm)



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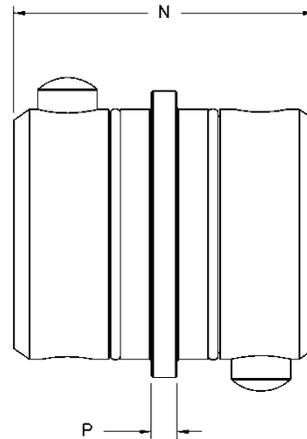
Body Coupler Specification

One (1) Paratech Coupler Assembly, #22-000875T, shall be provided. This tool is used to join two or more body assemblies together to create a multiple man ram. The coupler housing is made from 12L14 steel and incorporates two spring loaded lock buttons to join body assemblies. Lock buttons, made from 6061-T6511 high strength aluminum, attach/release the body by pressing inward. Once installed into a body assembly, lock buttons are below the surface of the body O.D., eliminating the possibility of damage.

Coupler Assembly weight, 7.5 lbs. (3.4 kg)

Max overall length, disassembled N = 3.7" (94 mm)

Max overall length, assembled P = .31" (8 mm)



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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.