

**PARATECH®**

**RESCUE**

**TEAM**

**est. 1962**



# Timeline

- 
**1962** WORLD'S FAMOUS PRY AXE INTRODUCED
- 
**1965** THE HOOLIGAN TOOL, THE WORLD'S FIRST PRODUCTION "HALLIGAN" TYPE FORCIBLE TOOL IS INTRODUCED
- 
**1976** MAXIFORCE® AIR LIFTING BAGS INTRODUCED TO THE UNITED STATES FIRE RESCUE SERVICE
- 
**1979** PARATECH BECOMES THE FIRST U.S. MANUFACTURER OF A MOLDED, HIGH PRESSURE AIR LIFTING BAG
- 
**1981** THE P-10 TRUCK MADE BY PARATECH FOR THE U.S.A. AIR FORCE STATIONED IN SOUTH KOREA
- 
**1983** PARATECH INTRODUCES THE WORLD'S FIRST KEVLAR® REINFORCED AIR LIFTING BAGS UNDER ITS MAXIFORCE® TRADEMARK
- 
**1984** PARATECH INTRODUCES THE AIRGUN 40 PNEUMATIC IMPACT TOOL
- 
**1985** U.S. NAVY PURCHASES 500 AIRGUN 40S FOR SHIPBOARD FIREFIGHTING
- 
**1992** RESCUE STRUTS, THE FIRST SELF-LOCKING COLLAPSE SUPPORT SYSTEMS IN THE WORLD ARE INTRODUCED
- 
**1993** FIRST VEHICLE STABILIZATION (VSK) KIT CREATED
- 
**1994** NORTHRIDGE, CA EARTHQUAKE: LOS ANGELES CITY & COUNTY RESCUE TEAMS USE MAXIFORCE® LIFTING BAGS, RESCUE STRUTS, PRT KITS AND PRY-AXES FOR RESCUE
- 
**1998** PARATECH ACHIEVES ISO 9001 CERTIFICATION
- 
**1999** ISTANBUL, TURKEY EARTHQUAKE: RESCUE STRUTS & MAXIFORCE® LIFTING BAGS BECOME A VITAL PART OF EARTHQUAKE PREPAREDNESS
- 
**2000** LONGSHORE STRUTS DESIGNED & DEVELOPED FOR HIGH ANGLE COLLAPSE RESCUE
- 
**2002** THE BUSTER TOOL IS DESIGNED TO MEET AND EXCEED FAA REGULATIONS FOR CRASH AXES
- 
**2002** PARATECH EU IS ESTABLISHED IN DENMARK IN ORDER TO CREATE A STRONGER PRESENCE IN EUROPE
- 
**2003** PARATECH RESCUE SUPPORT SYSTEMS ARE ADAPTED BY FEMA AS A STANDARD
- 
**2004** UNITED KINGDOM STANDARDIZES ON PARATECH RESCUE STRUTS FOR THEIR COLLAPSE AND US&R OPERATIONS
- 
**2005** THE SHORING HAMMER IS INTRODUCED AND USED THROUGHOUT NEW ORLEANS IN THE WAKE OF HURRICANE KATRINA
- 
**2006** THE SMT™ (SPECIAL MISSION TENDER) IS INTRODUCED FOR QUICK AND EASY DEPLOYMENT AND PURCHASE OF PARATECH EQUIPMENT
- 
**2007** THE WALER SYSTEM IS DEVELOPED
- 
**2007** SINGAPORE CIVIL DEFENSE RESPONDS TO CHINA EARTHQUAKE WITH PARATECH EQUIPMENT
- 
**2008** THE MULTI BASE IS DESIGNED FOR RESCUE SUPPORT SYSTEMS
- 
**2009** PARATECH EQUIPMENT DEPLOYED TO L'AQUILA, ITALY EARTHQUAKE
- 
**2010** PARATECH EQUIPMENT DEPLOYED TO HAITI EARTHQUAKE
- 
**2010** THE STRONGEST 'ALL IN ONE' VEHICLE STABILIZER, THE TVS, (TWISTLOCK VEHICLE STABILIZER) IS INTRODUCED
- 
**2012** ABSOLUTE RAKER—FIRST ALL MECHANICAL RAKER SHORE INTRODUCED
- 
**2013** HYDRAULIC-FUSION-STRUT (HFS PARATECH'S FIRST HYDRAULIC RESCUE STRUT UNVEILED
- 
**2014** DAMAGE CONTROL SYSTEMS (DCS) PARATECH DCS INSTALLED ON SWEDISH NAVY SHIPS
- 
**2014** PARATECH INTRODUCES MAXIFORCE® G2 AIR LIFTING BAGS
- 
**2014** THE TITAN CRASH AXE IS CREATED BY PARATECH, WITH INPUT FROM THE AIR FORCE'S PARARESCUEMEN
- 
**2015** THE MULTIFORCE® AIR LIFTING BAG IS INTRODUCED
- 
**2016** THE VSK CONTROLLER IS INTRODUCED
- 
**2016** MULTIFORCE POSITIONING LIGHTS ARE INTRODUCED
- 
**2017** THE ACMETHREAD STRUT DRIVER RETRO FIT KIT IS INTRODUCED
- 
**2018** PARATECH INTRODUCES THE ACMETHREAD STRUT DRIVER
- 
**2019** THE G3 DEADMAN CONTROLLERS AND VENTED COUPLINGS ARE INTRODUCED
- 
**2020** THE RESCUE GUARDIAN AND G3 PRESET REGULATOR ARE INTRODUCED
- 
**2024** PARATECH INTRODUCES MAXIFORCE® G3 AIR LIFTING BAGS

# PARATECH

For more than 60 years, Paratech has been combining innovative design with cutting edge technology to provide the highest quality and most user-friendly tools available for rescue and beyond. From the world's most advanced collapse support solutions to some of the world's strongest forcible entry tools, Paratech makes technical rescue operations simpler, safer and more productive.

Our product lines are comprised of Rescue Support Systems, MAXIFORCE<sup>®</sup> Air Lifting Bags, The MULTIFORCE<sup>®</sup> Air Lifting Bag, Powered Impact Tools, Forcible Entry Tools, Rescue Air Cushions, and the ultimate collection of essential Paratech products...the SMT<sup>™</sup>... Special Mission Tender equipped specifically for either urban search and rescue or trench rescue, both are loaded with all of the necessary Paratech tools needed for technical rescue.

Paratech products are extensively used by fire departments worldwide including, but not limited to: all major U.S. cities, Copenhagen, Tokyo, London, Lyon, Madrid, Singapore and Istanbul. In addition, they have been selected by disaster agencies in the United States, Denmark, Japan, United Kingdom and Turkey as the standard for their rescue teams and technical rescue caches.



## Powered Impact

From Breaking Concrete, to Cutting the Remains of a Melted Tanker Shell Apart, it Delivers the Punch.

### PAKHAMMER

At only 11.3 lb / 5,1 kg and at 1000-1100 high impact blows per minute this PIT dramatically increases the range of rescue work for initial responding units

### PAKHAMMER SC

It is the ideal crash rescue tool weighing 19.8 lb / 8,9 kg and exceeds current U.S. Air Force requirements for handheld pneumatic aircraft skin penetrator

Made from S7 tool steel and heat treated for long life, all PIT kits come equipped with a wide variety of standard and specialized tool bits.

# Powered Impact Tools

Paratech's Powered Impact Tools (PIT) are designed for forcible entry during fire fighting and rescue operations. They are used for cutting metal and composites, breaking masonry walls, penetrating concrete floors, forcible entry and digging during tunneling operations. Paratech's PITs consume air only on the power stroke. This unique, patented design provides a pneumatic impact and penetrating device with an adjustable power output and very low air consumption.



The combined features of light weight, very low air consumption and a wide range of power settings make Paratech's Pakhammer extremely effective for rescue and fire fighting operations. Rescue workers may find themselves temporarily blocked by a masonry wall or faced with the need to penetrate a concrete floor. Building collapse often requires power assisted digging for access to victims.



**CRASH RESCUE FROM AIRCRAFT:**  
Cut skins, spars, canopies.

**CRASH FIRE FIGHTING:**  
Piercing applicator for dispensing extinguishing agents.

**EXTRICATION:**  
From automobiles, trucks, transportation accidents.

**DISASTER RESCUE:**  
Earthquake, collapse.

**PNEUMATIC IMPACT PENETRATOR:**  
Use in rescue or industry.

**RESCUE/FORCIBLE ENTRY:**  
Break doors, locks, padlocks, hasps.

**DAMAGE CONTROL:**  
Access to compartments through watertight doors, heavy sheet metal.

**BREAKS AND PUNCHES HOLES:**  
Concrete, asphalt.

Conventional pneumatic, hydraulic or electric power tools always require a hook-up to a bulky remote power source. Only Paratech's Pakhammer is designed for situations where the power source must be as portable as the tool. Designed to operate intermittently for up to 15 minutes on a single SCBA cylinder, there is nothing to stop a Paratech Pakhammer from being where the action is.

The Pakhammer is designed to operate from any compressed air source at a pressure range of:  
40 to 200 psi / 2.7 to 13,7 bar.

# Powered Impact Tools

## PakHammer Kit

Kit Part No.	Net Weight: lb	kg
22-550505	US 29.9	
22-550505D	Metric 13,6	

Part No.	Description	Quantity
22-550500G2	Pakhammer, with Inline Oiler	1
22-895400G3	Pressure Regulator 5,500-0 psi / 379,2-0 bar	1
22-890520	Air Hose 3/8 in / 9,5 mm dia. x 32 ft / 10 m YW	1
22-550582	Chisel S Bit	1
22-550584	Curved Metal Cutter Bit	1
22-550586	Bullpoint S Bit	1
22-550291	Oil, lubricating, 4 oz / 124 g	1
22-550094	Allen Wrench 7/32 in / 0,6 cm	1
22-550099	Allen Wrench 3/16 in / 0,5 cm	1
22-550096	Manual, Operating and Instruction	1
22-700235	Goggles, plastic safety	1
22-550380	Ballistic Nylon Carrying Case 29 x 11 x 13 in / 73,7 x 27,9 x 33 cm	1



**A 1000-1100 high impact blows per minute, 11 pound impact tool that dramatically increases the range of forcible entry and rescue work initial responding units can handle without calling up heavy equipment. The Pakhammer is the only pneumatic impact tool of its size that is designed to operate from portable air cylinders. It is an ideal tool for bus and train rescue, high rise work, collapse rescue or any situation that requires a powerful impact tool that operates from a limited air supply.**

### Pakhammer Kit Technical Data

Length (without bit)	27.6 in / 70,1 cm	Blows/Minute (approx.)	1000-1100
Weight (Pakhammer without bit)	11.3 lb / 5,1 kg	Kit Weight	29 lb / 13,6 kg
Air Pressure Range	40-200 psi / 2,7-13,7 bar	Shank Size	0.401 in / 1,0 cm
Air Consumption at 175 psi (12 bar)	18 SCFM / 510 l/min		

## ARFF Grab and Go Kit

Kit Part No.	Net Weight: lb	kg
22-550ARFF	US 29.9	
22-550ARFFD	Metric 13,6	

Part No.	Description	Quantity
22-550500G2	Pakhammer, with Inline Oiler	1
22-895400G3-180	Pressure Regulator G3 5,500-0 psi / 379.2-0 bar	1
22-890547	Air Hose 3/8 in / 9,5 mm dia. x 8 ft / 10 m YELLOW	1
22-550251	Piercing Applicator - 14 1/4 in / 35,6 cm	1
22-550584	Curved Metal Cutter Bit	1
22-550273	Heavy Duty Metal Cutter Bit	1
22-550291	Oil, lubricating, 4 oz / 124 g	1
22-550094	Allen Wrench 7/32 in / 0.6 cm	1
22-550099	Allen Wrench 3/16 in / 0,5 cm	1
22-550591	Panel Cutter with Relief for Aircraft Windows Bit	1
22-550379	Ballistic Nylon Carrying Case 14"H x 34"L	1
22-550246	Neoprene Plug 4 in / 10,2 cm 3/4 in-1.5 in / 1,9-3,8 cm Diameter	2
22-550598	Plug Driver	1
22-550330	Coupling	1
22-550380A	Tool Bit Pouch	1



**This multipurpose kit is designed to handle numerous functions in ARFF. Includes a cutting bit designed to cut aircraft windshields and canopies, a cutting bit to cut sheet metal, a plug driver bit and neoprene plugs for leak sealing, piercing nozzle that can penetrate the GLARE composite skin as well as, CFRP (Carbon Fiber Reinforced Plastic). The 14" Piercing nozzle can flow water or chemical firefighting agents like foam etc. to help put out fires. This Grab and Go kit also includes the Paratech Pakhammer, designed to use with a limited air supply, uses less air and hits harder than any other tool of its kind and can go much longer before an air change is needed. Other pieces of equipment in this versatile kit are an adjustable regulator that can operate the tool at a range of 40 psi to 200 psi.**

### ARFF Grab and Go Kit Technical Data

Length (Pakhammer without bit)	27.6 in / 70,1 cm	Blows/Minute (approx.)	1000-1100
Weight (Pakhammer without bit)	11.3 lb / 5,1 kg	Kit Weight	29 lb / 13,6 kg
Air Pressure Range	40-200 psi / 2,7-13,7 bar	Shank Size	0.401 in / 1,0 cm
Air Consumption at 175 psi (12 bar)	18 SCFM / 510 l/min		



## Pakhammer SC Kit

Kit Part No.	Net Weight: lb		kg
22-550530	US	77.0	
22-550530D	Metric		35.0

Part No.	Description	Quantity
22-550500G2	Pakhammer, with Inline Oiler	1
22-550536	Self-Contained Cylinder	1
22-550532	Self-Contained Clamps	2
22-895400G3	Pressure Regulator G3 5,500-0 psi / 379,2-0 bar	1
22-895310	Preset Pressure Regulator	1
22-890520	Air Hose 3/8 in / 9,5 mm dia. x 32 ft / 10 m YELLOW	1
22-550291	Air Tool Oil	1
22-550094	Allen Wrench 7/32 in / 0,6 cm	1
22-550099	Allen Wrench 3/16 in / 0,5 cm	1
22-550095	Manual, Operating and Instruction	1
22-700235	Goggles, plastic safety	1
22-550535	Self-Contained Carrying Case	1
22-550598	Driver for Neoprene Plug	1
22-550246	Neoprene Plug	1
22-550584	Curved Metal Cutter Bit	1
22-550594	Dual Cutter with Bullpoint Bit	1
22-550273	Heavy Duty Metal Cutter Bit	1
22-550586	Bullpoint-S Bit	1
22-550582	Chisel-S Bit	1
22-550590	Panel Cutter for Metals Bit	1
22-550591	Panel Cutter with Relief Bit	1
22-550595	Spade Bit	1
22-550241	Piercing Applicator-6	1
22-550251	Piercing Applicator-14	1
22-550320	Coupling, 1 1/2 in NH	1



**The Pakhammer SC (Self Contained) is designed to exceed current U.S. Air Force requirements for an aircraft skin penetrator. It is an ideal crash rescue tool. Carrying its own limited air supply, a firefighter can rapidly insert several penetrator/applicator nozzles depending on the location and spread of fire or fuel. These penetrator/ applicator nozzles will flow water, AFFF solutions and Halon. When the self contained air supply is exhausted the air supply assembly can be quickly detached in favor of another air source. The firefighter now has the full benefit of a standard Pakhammer to continue rescue operations.**

## Pakhammer Bits



### CURVED METAL CUTTER

10.25 in / 26 cm - 1.2 in / 3 cm wide  
 Net Weight: .6lb 0,3kg  
 22-550584



### DUAL CUTTER

11 in / 27,9 cm  
 Net Weight: 1.0lb 0,5kg  
 22-550592



### DUAL CUTTER WITH BULLPOINT

11 in / 27,9 cm  
 Net Weight: 1.0lb 0,5kg  
 22-550594



### HEAVY DUTY METAL CUTTER

11 in / 27.9 cm - 0.5 in / 1,3 cm - depth of cut  
 Net Weight: 1.0lb 0,5kg  
 22-550273



### LOCK BREAKER

11 in / 27,9 cm  
 Net Weight: 1.0lb 0,5kg  
 22-550596



### BULLPOINT-S

14 in / 35,6 cm  
 Net Weight: 1.2lb 0,5kg  
 22-550586



### BULLPOINT-L

20 in / 50,8 cm  
 Net Weight: 1.8lb 0,8kg  
 22-550588



### CHISEL-S

14 in / 35,6 cm - 1.0 in / 2,5 cm wide  
 Net Weight: 1.3lb 0,6kg  
 22-550582



### CHISEL-L

20 in / 50,8 cm - 1.0 in / 2,5 cm wide  
 Net Weight: 1.3lb 0,6kg  
 22-550583



### PANEL CUTTER FOR METALS

8 in / 20,3 cm - 1.2 in / 3 cm deep  
 Net Weight: 0.8lb 0,4kg  
 22-550590



### PANEL CUTTER WITH RELIEF FOR AIRCRAFT WINDOWS

8 in / 20,3 cm - 1.2 in / 3 cm deep  
 Net Weight: 0.8lb 0,4kg  
 22-550591



### SPADE 3 IN / 7,6 CM WIDE

20 in / 50,8 cm  
 Net Weight: 1.3lb 0,6kg  
 22-550595



### PIERCING APPLICATOR - 6 6 in / 15,2 cm WALL PENETRATION

Overall length: 17.8 in / 45,2 cm  
 Net Weight: 4.4lb 2,0kg  
 22-550241



### PIERCING APPLICATOR - 14 14 in / 35,6 cm WALL PENETRATION

Overall length: 26.3 in / 66,7 cm  
 Net Weight: 5.5lb 2,5kg  
 22-550251



### PIERCING APPLICATOR - 32 32 in / 81,28 cm WALL PENETRATION

Overall length: 44.3 in / 112,5 cm  
 Net Weight: 7.75lb 3,5kg  
 22-550261



### PLUG DRIVER

Net Weight: 1.0lb 0,5kg  
 22-550598



### NEOPRENE PLUG 4 in / 10,2 cm

LG 0.75 - 1.5 in / 1.9 - 3,8 cm DIA  
 For use with plug driver  
 Net Weight: 0.5lb 0,2kg  
 22-550246



## Pakhammer With Inline Oiler

Net Weight: 11.1lb 5,0kg  
22-550500G2



## Pakhammer Cases and Accessories



**PAKHAMMER BALLISTIC NYLON BAG**  
29,0 x 11,0 x 13,0 in /  
73,7 x 27,9 x 33,0 cm  
Net Weight: 5.6lb 2,5kg  
22-550380



**WATERPROOF COMPOSITE CASE FOR PAKHAMMER SC**  
31,5 x 21,75 x 11,5 in /  
80,0 x 55,2 x 29,2 cm  
Net Weight: 31.5lb 14,3kg  
22-550310



**PRESSURE REGULATOR G3**  
Piston Type 5,500-300 psi /  
379,2-20,7 bar  
Net Weight: 3.6lb 1,6kg  
22-895400G3



**PRESSURE REGULATOR G3**  
Piston Type 5,500-300 psi /  
379,2-20,7 bar DIN  
Net Weight: 3.7lb 1,7kg  
22-895400DG3



**SELF-CONTAINED CYLINDER**  
Net Weight: 5.0lb 2,2kg  
22-550536



**SELF-CONTAINED CLAMPS**  
Net Weight: 2.0lb 0,9kg  
22-550532K



**COUPLING**  
for piercing applicator  
NH 5/8 in / 1 1/2 in  
Net Weight: 1.5lb 0,7kg  
22-550320  
NPSH 5/8 in / 1 1/2 in  
Net Weight: 1.5lb 0,7kg  
22-550330



**ALLEN WRENCH**  
7/32 in / 0,6 cm  
Net Weight: 0.1lb 0,1kg  
22-550094  
3/16 in / 0,5 cm  
Net Weight: 0.1lb 0,1kg  
22-550099



**AIR HOSE YELLOW**  
3/8 in / 9,6 mm dia. - 32 ft / 10 m  
Net Weight: 4.5lb 2,1kg  
22-890520



**AIR TOOL OIL**  
Net Weight: 0.3lb 0,1kg  
22-550291



**GOGGLES PLASTIC SAFETY**  
Net Weight: 0.8lb 0,4kg  
22-700235

# Made in the USA and Used WORLDWIDE.



## Locations

### Paratech Headquarters

P.O. Box 1000 Frankfort, IL 60423 USA

### Paratech Europe

Landbrugsvej 10 N, 5260 Odense S,  
Denmark

**We take our job seriously because we know your job is often a matter of life or death.**



A division of PT Hydraulics Australia PTY LTD  
19 Ricketts Rd Mt Waverley VIC 3149  
ph: 03 9562 8800 e: [rescue@ptha.com.au](mailto:rescue@ptha.com.au)  
[www.ptrescue.com.au](http://www.ptrescue.com.au)