

Paratech Catalog 2020

# PARATECH

®

Made in the USA and Used Worldwide.

# Timeline

	<b>1962</b> WORLD'S FAMOUS PRY AXE INTRODUCED		<b>2004</b> UNITED KINGDOM STANDARDIZES ON PARATECH RESCUE STRUTS FOR THEIR COLLAPSE AND US&R OPERATIONS
	<b>1965</b> THE HOOLIGAN TOOL, THE WORLD'S FIRST PRODUCTION "HALLIGAN" TYPE FORCIBLE TOOL IS INTRODUCED		<b>2005</b> THE SHORING HAMMER IS INTRODUCED AND USED THROUGHOUT NEW ORLEANS IN THE WAKE OF HURRICANE KATRINA
	<b>1976</b> MAXIFORCE® AIR LIFTING BAGS INTRODUCED TO THE UNITED STATES FIRE RESCUE SERVICE		<b>2006</b> THE SMT™ (SPECIAL MISSION TENDER) IS INTRODUCED FOR QUICK AND EASY DEPLOYMENT AND PURCHASE OF PARATECH EQUIPMENT
	<b>1979</b> PARATECH BECOMES THE FIRST U.S. MANUFACTURER OF A MOLDED, HIGH PRESSURE AIR LIFTING BAG		<b>2007</b> THE WALER SYSTEM IS DEVELOPED
	<b>1981</b> THE P-10 TRUCK MADE BY PARATECH FOR THE U.S.A. AIR FORCE STATIONED IN SOUTH KOREA		<b>2007</b> SINGAPORE CIVIL DEFENSE RESPONDS TO CHINA EARTHQUAKE WITH PARATECH EQUIPMENT
	<b>1983</b> PARATECH INTRODUCES THE WORLD'S FIRST KEVLAR® REINFORCED AIR LIFTING BAGS UNDER ITS MAXIFORCE® TRADEMARK		<b>2008</b> THE MULTI BASE IS DESIGNED FOR RESCUE SUPPORT SYSTEMS
	<b>1984</b> PARATECH INTRODUCES THE AIRGUN 40 PNEUMATIC IMPACT TOOL		<b>2009</b> PARATECH EQUIPMENT DEPLOYED TO L'AQUILA, ITALY EARTHQUAKE
	<b>1985</b> U.S. NAVY PURCHASES 500 AIRGUN 40S FOR SHIPBOARD FIREFIGHTING		<b>2010</b> PARATECH EQUIPMENT DEPLOYED TO HAITI EARTHQUAKE
	<b>1992</b> RESCUE STRUTS, THE FIRST SELF-LOCKING COLLAPSE SUPPORT SYSTEMS IN THE WORLD ARE INTRODUCED		<b>2010</b> THE STRONGEST 'ALL IN ONE' VEHICLE STABILIZER, THE TVS, (TWISTLOCK VEHICLE STABILIZER) IS INTRODUCED
	<b>1993</b> FIRST VEHICLE STABILIZATION (VSK) KIT CREATED		<b>2012</b> ABSOLUTE RAKER—FIRST ALL MECHANICAL RAKER SHORE INTRODUCED
	<b>1994</b> NORTHRIDGE, CA EARTHQUAKE: LOS ANGELES CITY & COUNTY RESCUE TEAMS USE MAXIFORCE® LIFTING BAGS, RESCUE STRUTS, PRT KITS AND PRY-AXES FOR RESCUE		<b>2013</b> HYDRAULIC-FUSION-STRUT (HFS) PARATECH'S FIRST HYDRAULIC RESCUE STRUT UNVEILED
	<b>1995</b> KOBE, JAPAN EARTHQUAKE: MAXIFORCE® LIFTING BAGS, RESCUE STRUTS, PRT KITS AND PRY-AXES USED FOR RESCUE		<b>2014</b> DAMAGE CONTROL SYSTEMS (DCS) PARATECH DCS INSTALLED ON SWEDISH NAVY SHIPS
	<b>1998</b> PARATECH ACHIEVES ISO 9001 CERTIFICATION		<b>2014</b> PARATECH INTRODUCES MAXIFORCE® G2 AIR LIFTING BAGS
	<b>1999</b> ISTANBUL, TURKEY EARTHQUAKE: RESCUE STRUTS & MAXIFORCE® LIFTING BAGS BECOME A VITAL PART OF EARTHQUAKE PREPAREDNESS		<b>2014</b> THE TITAN CRASH AXE IS CREATED BY PARATECH, WITH INPUT FROM THE AIR FORCE'S PARARESCUEMEN
	<b>2000</b> LONGSHORE STRUTS DESIGNED & DEVELOPED FOR HIGH ANGLE COLLAPSE RESCUE		<b>2015</b> THE MULTIFORCE® AIR LIFTING BAG IS INTRODUCED
	<b>2002</b> THE BUSTER TOOL IS DESIGNED TO MEET AND EXCEED FAA REGULATIONS FOR CRASH AXES		<b>2016</b> THE VSK CONTROLLER IS INTRODUCED
	<b>2002</b> PARATECH EU IS ESTABLISHED IN DENMARK IN ORDER TO CREATE A STRONGER PRESENCE IN EUROPE		<b>2016</b> MULTIFORCE POSITIONING LIGHTS ARE INTRODUCED
	<b>2003</b> PARATECH RESCUE SUPPORT SYSTEMS ARE ADAPTED BY FEMA AS A STANDARD		<b>2017</b> THE ACMETHREAD STRUT DRIVER RETRO FIT KIT IS INTRODUCED
			<b>2018</b> PARATECH INTRODUCES THE ACMETHREAD STRUT DRIVER
			<b>2019</b> THE G3 DEADMAN CONTROLLERS AND VENTED COUPLINGS ARE INTRODUCED
			<b>2020</b> G3 PRESET REGULATOR INTRODUCED

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# PARATECH

For more than 50 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.



# PARATECH®

## Training & Tactics Courses

Paratech offers a 2-day, 3-day and week-long training courses to enhance your department's capabilities with Paratech equipment. We will discuss, demonstrate, and perform techniques for real world applications. The training will be performed by certified Instructors that have gone through a rigorous Paratech training program that enables them to provide the finest instruction on Paratech products available.

Part Number	Description	Topic	Level	Duration	Max Students
22-PTVMA	Vehicle & Machinery Awareness	Heavy Rescue	AWS	4H	C.R.*
22-PTVMO	Vehicle & Machinery Operations	Heavy Rescue	OPS	16H	40
22-PTVMT	Vehicle & Machinery Technician	Heavy Rescue	TECH	24H	40
22-PTTRA	Trench Awareness	Trench	AWS	4H	C.R.*
22-PTTRO	Trench Operations	Trench	OPS	16H	40
22-PTTRT	Trench Technician	Trench	TECH	24H	40
22-PTBCA	Building Collapse Awareness	Building Collapse	AWS	4H	C.R.*
22-PTBCO	Building Collapse Operations	Building Collapse	OPS	16H	40
22-PTBCT	Building Collapse Technician	Building Collapse	TECH	24H	40
22-PTLMA	Lifting And Moving Awareness	Lifting and Moving	AWS	4H	C.R.*
22-PTLMO	Lifting And Moving Operations	Lifting and Moving	OPS	16H	40
22-PTLMT	Lifting And Moving Technician	Lifting and Moving	TECH	24H	40
22-PTCA	Customized Training Awareness	Paratech Tailored Course	AWS	4H	C.R.*
22-PTCO20	Customized Training Operations	Paratech Tailored Course	OPS	16H	20
22-PTCT20	Customized Training Technician	Paratech Tailored Course	TECH	24H	20
22-PTCO40	Customized Training Operations	Paratech Tailored Course	OPS	16H	40
22-PTCT40	Customized Training Technician	Paratech Tailored Course	TECH	24H	40

\* Class Room session, limited by facilities only.

The curriculum can also be customized to the department preferences: Trench Rescue, Structure Collapse, Confined Space, Ag Rescue and Vehicle Machinery Tech.



**Air Bags**

Single, double and daisy chain lifts with Maxiforce Air Lifting Bags. Rescue Air Cushions and MultiForce Air Lifting Bags lifts.

Part No. 22-PTLMO Part No. 22-PTLMT

### Training Highlights



**Light Vehicle Stabilization**

Stabilizing and lifting light vehicles using air bags and StrutDrivers.

Part No. 22-PTVMO Part No. 22-PTVMT



**Structural Collapse**

Solid Sole, Flying, Split Sole and Corner Rakers. Window and door shores. Internal shoring and sloped floor shore.

Part No. 22-PTBCT Part No. 22-PTBCO



**Pod Lifts**

Using Paratech Monopod, Bipod and Tripods to lift and move objects using ropes and come-alongs.

Part No. 22-PTLMO Part No. 22-PTLMT



**Heavy Vehicle Stabilization and Lifting**

Stabilizing and lifting heavy vehicles using air bags and HydraFusion struts.

Part No. 22-PTVMO Part No. 22-PTVMT

# Special Mission Tender

## SMTGEN2

URBAN SEARCH & RESCUE  
&  
TRENCH RESCUE

### New Features for a New Era of Rescue

- SMT Cache Layout Graphics
- Master Rack for Air Lifting Bags
- Onboard Data Resource Kiosks
- Advanced Led Lighting Package

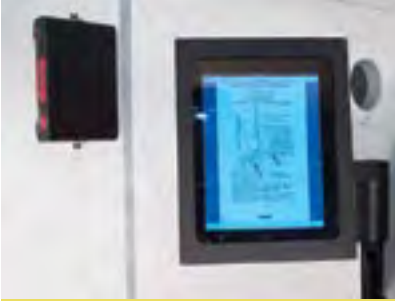


### Additional SMTGEN2 Features Include:

- 30% Larger Than Our Standard SMT
- Room for An Optional ATV
- Tongue Mounted or Onboard Generator
- Exterior Roof Mounted Command Light
- Up To 25% Free Weight Capacity



# Special Mission Tender



**Two Onboard Data Resource Kiosks**



**Advanced Lighting Package**



**Storage Layout Graphics for Easy Reloading of Equipment**



**MAXIFORCE® Master Rack for Easy Storage of Air Lifting Bags**

## Gen2 US&R SMT 20'

The GEN2 US&R SMT comes fully loaded with all the equipment from our SMT US&R Trailer (22-700200) PLUS it's mounted on a 20ft Wells Cargo Trailer (14,000 lbs, tandem axle) with onboard generator, Storage Layout Graphics, MAXIFORCE® Master rack, Advanced LED Lighting and 2 Data Resource Kiosks. The GEN2 US&R SMT consists of the most comprehensive set of Paratech rescue equipment you will ever find in one mobile package.

Part No.	Description
22-700236	GEN2 US&R SMT with Generator
22-700246	GEN2 US&R SMT without Options PLEASE CONTACT US FOR PRICING

## Gen2 Trench SMT 20'

The GEN2 Trench SMT comes fully loaded with all the equipment from our SMT Trench Trailer (22-700240) PLUS it's mounted on a 20ft Wells Cargo Trailer (14,000 lbs, tandem axle) with onboard generator, Storage Layout Graphics, MAXIFORCE® Master rack, Advanced LED Lighting and 2 Data Resource Kiosks. The GEN2 Trench SMT consists of the most comprehensive set of Paratech trench rescue equipment you will ever find in one mobile package.

This option does not have room for an ATV.

Part No.	Description
22-700237	GEN2 Trench SMT with Generator
22-700247	GEN2 Trench SMT without Options PLEASE CONTACT US FOR PRICING

## Gen2 Combo SMT 20'

The GEN2 Combo SMT comes fully loaded as a combination of our US&R and Trench SMT. (14,000 lbs, tandem axle) with onboard generator, Storage Layout Graphics, MAXIFORCE® Master rack, Advanced LED Lighting and 2 Data Resource Kiosks. The GEN2 Combo SMT consists of the most comprehensive set of Paratech trench rescue equipment you will ever find in one mobile package.

This option does not have room for an ATV.

Part No.	Description
22-700238	GEN2 Combo SMT with Generator
22-700248	GEN2 Combo SMT without Options PLEASE CONTACT US FOR PRICING



**Gen2 US&R Has Enough Room For An Optional John Deere Gator, Polaris 500 Or Polaris 800.**



**CALL FOR MORE DETAILS**

## *Rapid E2 SMT*



**Our Most Compact Special Mission Tender Yet!**

### **Rapid E2 SMT Features Include:**

- SMT Cache Layout Graphics
- Master Rack for Air Lifting Bags
- Exterior Light Towers
- Portable Generator
- Extensive Cache of Equipment
- Compact Size
- Remote Positioning
- Easily Maneuvers Down Narrow Streets





## Rapid E2 SMT

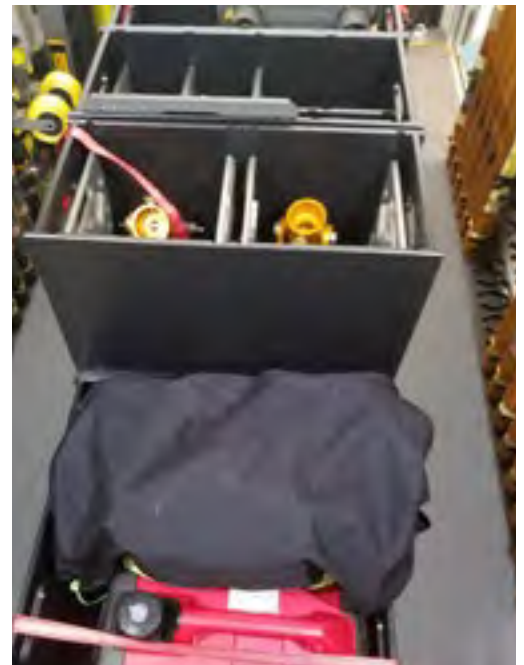
The Rapid E2 SMT is fully loaded with a perfect, well rounded cache of equipment. Capable of initiating an array of US&R, Trench and Vehicle rescues, it is small enough to maneuver through narrow streets. The Rapid E2 SMT is self-contained, remote positioned and ready to roll at any time. This versatile trailer consists of a comprehensive set of Paratech equipment in one compact, mobile package.

Includes an Absolute Flying Raker, Remote Placement MULTIFORCE Bag Kit, Man and Machine Kit, Working Air Cart, Pakhammer Kit, PRT Kit, TRK Kit and much much more.

This option does not have room for an ATV.

Part No.	Description
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22-700200EU	Rapid E2 SMT PLEASE CONTACT US FOR PRICING
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# Special Mission Tender

## Basic US&R SMT



### Features:

- 7 X 16 Ft Wells Cargo Trailer With A 14,000 Lb Tandem Axle
- 25% Extra Load Capacity
- Extended A-Frame For A Generator
- Led Safety Light Package
- 110v Lights And A 30 Amp Service With Shore Line
- Non Slip Durabak Floor
- 3000 Watt Super Vac Roof Mounted Command Light
- Nfpa 1901 2009 Compliant

### Options:

- Exterior Color (Red, Black Or White)
- Generator
- Graphics For Exterior

### Warranties:

- Paratech Product Warranties:
  - Rescue Support Systems / 5 Years
  - Maxiforce® Air Lifting Bags / 3 Years
  - Powered Impact Tools / 1 Year
  - Rescue Air Cushions / 1 Year
  - Forcible Entry Tools / Lifetime
- Wells Cargo Trailer / 6 Year Manufacturer Warranty
- Command Light / 5 Year Manufacturer Warranty
- Generator / 2 Year Manufacturer Warranty

### Weight:

- Full With Generator: 7,300 Lb
- Full Without Generator: 7,100 Lb

## Basic Trench SMT



### Features

- 7 x 16 ft Wells Cargo Trailer with a 14,000 lb tandem axle
- 25% extra load capacity
- Extended A-frame for a generator
- LED Safety Light Package
- 110v lights and a 30 amp service with shore line
- Non slip Durabak floor
- 3000 Watt Super Vac Roof Mounted Command Light
- NFPA 1901 2009 Compliant

### Options:

- Exterior color (red, black or white)
- Generator
- Graphics for exterior

### Warranties:

- Paratech Product Warranties:
  - Rescue Support Systems / 5 years
  - MAXIFORCE® Air Lifting Bags / 3 years
  - Powered Impact Tools / 1 year
  - Rescue Air Cushions / 1 year
  - Forcible Entry Tools / Lifetime
- Wells Cargo Trailer / 6 year manufacturer warranty
- Command Light / 5 year manufacturer warranty
- Generator / 2 year manufacturer warranty

### Weight:

- Full with generator: 8,332 lb
- Full without generator: 8,132 lb

## Basic US&R SMT

The Basic US&R SMT (Special Mission Tender) is a simple, organized way to transport all the Paratech equipment you need for nearly all urban search and rescue missions. The Basic US&R SMT™ comes fully loaded including Rescue Struts, MAXIFORCE® Air Lifting Bags, Powered Impact Tools, Forcible Entry Tools and equipment accessories with extra room set aside for other tools required for rescue.

Part No.	Description
22-700200	Basic US&R SMT with Generator
22-700201	Basic US&R SMT without Generator

PLEASE CONTACT US FOR PRICING



## Basic Trench SMT

The Basic Trench SMT (Special Mission Tender) is a low maintenance and cost effective solution for fire departments and rescue teams. Paratech's SMT simplifies rescue plans by providing a neat and organized mobile container for all of your rescue equipment.

The Basic Trench SMT is equipped with Rescue Struts, MAXIFORCE® Air Lifting Bags, Low Pressure Trench Cushions, Waler System, Finnform, Plywood Ground Pads, extra room for other tools required for rescue, and other kits and components to facilitate rapid response to trench collapse scenarios.

Part No.	Description
22-700240	Basic Trench SMT with Generator
22-700241	Basic Trench SMT without Generator

PLEASE CONTACT US FOR PRICING



## The Paratech Rescue Support System

The Paratech Rescue Support System is truly a “go anywhere” system. Designed to be effective for the simplest to the most demanding deployment, there isn’t a more comprehensive, scalable and straightforward system than Paratech’s. Whether you choose the precision of the AcmeThread Strut, the automatic locking collar of the LockStroke Strut or the added length of the LongShore Strut, they are strong and versatile enough for nearly every collapse and stabilization scenario.

The entire system includes 5 sizes of AcmeThread Struts, 4 sizes of LockStroke Struts, 3 sizes of HydraFusion Struts, 4 sizes of AcmeThread/LockStroke Extensions, 5 sizes of LongShore Struts, 4 LongShore Extensions and over 20 interchangeable base plates designed to support a wide variety of contact points. All aluminum alloy components of the Rescue Support System are hard coat anodized to reduce electrical conductivity and increase strength and durability.

Truly a system that will not stop growing, Paratech’s Rescue Support System can be used in excavation collapse (trenches, mines), vehicle stabilization, structural collapse and reinforcement, or wherever there is a need for quick, strong and safe vertical or horizontal shoring.

### Structural Shoring

Earthquakes, construction collapse, cave-ins, floods and structural fire damage require a collapse rescue system designed for the purpose of extracting victims in a safe and timely manner.

### Vehicle Stabilization

Paratech Vehicle Stabilization Kits have the strength and flexibility to handle any size vehicle anytime, anywhere. This includes sub compact cars, buses, cement trucks and even locomotives. Additionally, these components provide the extra value of being completely interchangeable with your other Paratech equipment for building collapse and trench rescue scenarios.



Trench

### Trench Shoring

Paratech’s pneumatic Rescue Struts allow for remote placement and easy locking as well as safe, remote removal. Used in combination with our Waler System, trench rescue has never been faster, easier or safer.

### Special Applications

To be used in combination with Paratech’s LongShore, AcmeThread and LockStroke Struts, a wide variety of bases and accessories are available to assist in numerous special application scenarios. These include, but in no way are limited to: elevator shaft access and victim retrieval, high angle applications, confined space work and trench rescue. Add-on kits include: Tripod, Bipod, Monopod and Elevator Support Unit Kits.



Building Collapse

### Train Stabilization



# COMING SOON!

*this is a game changer*

sign up for  
our newsletter  
to get the  
latest info

# Rescue Support Systems

RSS Comparison	AcmeThread	LockStroke	LongShore	HydraFusion
SIZES	5	4	5	3
LENGTHS	12 – 88 in (31–224 cm)	19 – 89 in (48–226 cm)	26–198 in (66–503 cm)	8.2–51.1 (46.2–121.2 cm)
EXTENSIONS	4	4	4	AcmeThread & LongShore
EXTENSION LENGTHS	6–36 in (15–91 cm)	6–36 in (15–91 cm)	12–67 in (30.5–170 cm)	6–67 in (15–170 cm)
AUTO LOCKING COLLAR	NO	YES	NO	NO
FINE ADJUSTMENT	YES	YES with attachment	YES	YES
REMOTE PLACEMENT	YES	YES	YES	YES
TRENCH STABILIZATION	YES	YES	YES	YES
COLLAPSE STABILIZATION	YES	YES	YES	YES
VEHICLE STABILIZATION	YES	YES	YES	YES

## AcmeThread Strut

The Paratech AcmeThread Struts are comprised of a 2½" diameter Acme threaded aluminum movable solid shaft that extends out of a 3" diameter aluminum tube. The AcmeThread is a square thread that allows full surface contact of the shaft through the collar and the collar full surface contact on the tube to transfer load directly to ground. AcmeThread Struts can be extended manually or pneumatically with air, carbon dioxide or nitrogen.

Place strut into position, 'EXTEND' threaded shaft into desired length, 'SPIN' collar to 'LOCK' the strut.

It is as easy as...

### EXTEND & SPIN TO LOCK

Adjustments to the threaded shaft can be made in ANY increment up to the maximum length of the strut.

## LockStroke Strut

The Paratech LockStroke Struts are comprised of a 2½" diameter grooved solid aluminum movable shaft that extends out of a 3" diameter aluminum tube. LockStroke Struts have a ball bearing filled collar that locks automatically when the shaft extends either manually or pneumatically with air, carbon dioxide or nitrogen.

'SET' strut into position, 'EXTEND' strut with air or manually and the strut 'LOCKS' automatically. It is as easy as...

### SET, EXTEND TO LOCK



## Over 20 Interchangeable Bases

All Aluminum Alloy Components Of The Rescue Support System Are Hard Coat Anodized To Increase Strength And Durability  
Machine Knurled  
Non-Slip Locking Collar  
Acmethread-Longshore-Hydrfusion



## The Strongest & Most Versatile Struts In The World

### Paratech AcmeThread & LockStroke Load Table

Working Load Chart At The Following Safety Factors

LENGTH	2:1		3:1		4:1	
	lb.	kg.	lb.	kg.	lb.	kg.
2 ft (0.6m)	43,500	19,731	29,000	13,154	21,750	9,866
4 ft (1.2m)	40,000	18,144	26,667	12,096	20,000	9,072
6 ft (1.8m)	28,250	12,814	18,830	8,541	14,125	6,407
8 ft (2.4m)	24,050	10,909	16,030	7,271	12,025	5,455
10 ft (3.0m)	10,725	4,865	7,150	3,243	5,360	2,431
12 ft (3.6m)	7,660	3,475	5,000	2,313	3,830	1,737

### 5 YEAR WARRANTY

The data in this table has been confirmed by physical testing, witnessed and certified by an independent, licensed structural engineering company.

## LongShore Strut

The Paratech LongShore Struts are comprised of a 3" diameter threaded aluminum movable shaft that extends out of a 3 1/2" diameter aluminum tube. The square thread allows full surface contact of the shaft through the collar and the collar full surface contact on the tube to transfer load directly to ground. LongShore Struts can be extended manually or pneumatically with air, carbon dioxide or nitrogen.

Place strut into position, 'EXTEND' threaded shaft into desired length, 'SPIN' collar to 'LOCK' the strut.

It is as easy as...

**EXTEND & SPIN TO LOCK**

*Adjustments to the threaded shaft can be made in ANY increment up to the maximum length of the strut.*



## HydraFusion Strut

The Paratech HydraFusion Struts (AcmeThread) are comprised of a 3" diameter threaded aluminum shaft that extends hydraulically out of a 3 1/2" diameter aluminum tube. The hydraulic lift capacity is 10 U.S. tons with a 2:1 safety factor. Once the strut is extended, the AcmeThread collar is spun down to the locked position and creates a 20,000 lbs. 4:1 safety factor for stabilization.

Place strut into position, 'EXTEND' threaded shaft into desired length, 'SPIN' collar to 'LOCK' the strut.

It is as easy as...

**EXTEND & SPIN TO LOCK**

*Adjustments to the threaded shaft can be made in ANY increment up to the maximum length of the strut.*



## Longshore Struts Are Stronger and Longer for Your Heaviest and Highest Support Situations

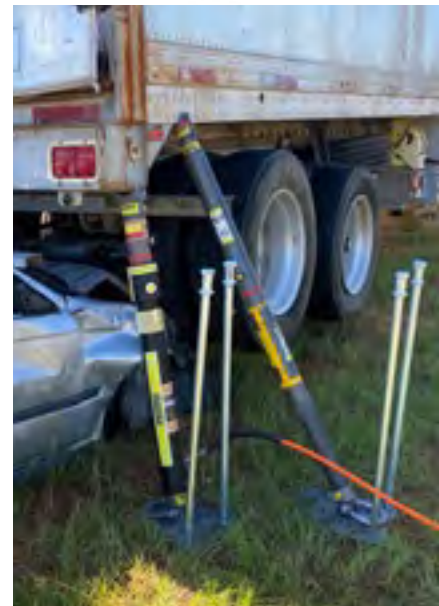
### Paratech LongShore Load Table

Working Load Chart At The Following Safety Factors

LENGTH	2:1 lb.		kg.		3:1 lb.		kg.		4:1 lb.		kg.	
	lb.	kg.	lb.	kg.	lb.	kg.	lb.	kg.	lb.	kg.	lb.	kg.
6 ft (1.8m)	44,000	19,958	29,333	13,305	22,000	9,980	44,000	19,958	29,333	13,305	22,000	9,980
7 ft (2.1m)	44,000	19,958	29,333	13,305	22,000	9,980	40,000	18,144	26,666	12,095	20,000	9,072
8 ft (2.4m)	40,000	18,144	26,666	12,095	20,000	9,072	32,000	14,515	21,333	9,676	16,000	7,257
9 ft (2.7m)	32,000	14,515	21,333	9,676	16,000	7,257	24,000	10,886	16,000	7,257	12,000	5,443
10 ft (3.0m)	24,000	10,886	16,000	7,257	12,000	5,443	22,000	9,979	14,667	6,653	11,000	4,990
11 ft (3.3m)	22,000	9,979	14,667	6,653	11,000	4,990	20,000	9,072	13,333	6,047	10,000	4,536
12 ft (3.6m)	20,000	9,072	13,333	6,047	10,000	4,536	18,000	8,165	12,000	5,443	9,000	4,082
13 ft (3.9m)	18,000	8,165	12,000	5,443	9,000	4,082	16,000	7,257	11,000	4,990	8,000	3,629
14 ft (4.2m)	16,000	7,257	11,000	4,990	8,000	3,629	14,000	6,350	10,000	4,536	7,000	3,175
15 ft (4.5m)	14,000	6,350	10,000	4,536	7,000	3,175	12,000	5,443	9,000	4,082	6,000	2,722
16 ft (4.8m)	12,000	5,443	9,000	4,082	6,000	2,722	10,000	4,536	8,000	3,629	5,000	2,269
	10,000	4,536	7,000	3,175	5,000	2,269	8,000	3,629	6,000	2,722	4,000	1,814
	8,000	3,629	6,000	2,722	4,000	1,814	6,000	2,722	4,000	1,814	3,000	1,361

### 5 YEAR WARRANTY

The data in this table has been confirmed by physical testing, witnessed and certified by an independent, licensed structural engineering company.



# Rescue Support Systems

## HydraFusion Struts

The Paratech HydraFusion Struts offer end users the ability to lift up to 10 U.S. tons with a safety factor of 2:1 and to stabilize up to 20,000 lbs. with a safety factor of 4:1. The innovative, built in Dual Shaft End Adapter (patent pending) allows users to safely use Paratech LongShore, LockStroke or AcmeThread Struts and Extensions in conjunction with the incredible lifting ability of the HydraFusion Strut.



## HydraFusion Strut Kits

All lift 10 tons (9.0 t) with a 2:1 safety factor.  
All shore 20,000 lbs. (9.0 t) with a 4:1 safety factor

**HydraFusion Strut 04 Kit**  
Net Weight: 42.2 lb 19.2 kg  
Part No. 22-79HA04K

**HydraFusion Strut 16 Kit**  
Net Weight: 60.7 lb 27.6 kg  
Part No. 22-79HA16K

**HydraFusion Strut 10 Kit**  
Net Weight: 51.8 lb 23.5 kg  
Part No. 22-79HA10K

## HydraFusion Pump With Gauge

**With Gauge and Hose Only**  
Net Weight: 23.2 lb 10.5 kg  
Part No. 22-790020G

No-spill, flat-face hydraulic coupling with a non-conductive 10 ft (3 m) kink-resistant hose. Two speed, single acting, lightweight, 10,000 psi (690 bar), metal hydraulic pump.



## HydraFusion Hose Extension

Net Weight: 2.2 lb 1.0 kg Net  
Part No. 22-790030X



## HydraFusion Struts Accessories

**Strut Converter**  
Use a Strut Converter to attach a base to the top end of a HydraFusion Strut  
Net Weight: 2.7lb 1.2kg  
Part No. 22-796035

**HydraFusion Longshore Screw Adapter**  
Net Weight: 6.1lb 2.7kg  
Part No. 22-790019

**HydraFusion AcmeThread Screw Adapter**  
Net Weight: 6.5lb 2.9kg  
Part No. 22-790067

Part No.	Description	Lift Height		Net Weight		Ship Weight		
		in	cm	lb	kg	lb	kg	
22-79HA04	HydraFusion Strut 04	18.2 – 22.0 in / 46.2 – 55.8 cm	4	10.2	18.7	8.5	19.7	8.9
22-79HA10	HydraFusion Strut 10	25.2 – 35.0 in / 64.0 – 88.9 cm	10	25.4	28.3	12.8	29.3	13.3
22-79HA16	HydraFusion Strut 16	32.0 – 47.7 in / 81.3 – 121.2 cm	15.9	40.4	37.2	16.9	38.2	17.3
22-79HA04K	HydraFusion Strut 04 Kit		4	10.2	42.2	19.2	43.4	19.6
22-79HA10K	HydraFusion Strut 10 Kit		10	25.4	51.8	23.5	52.8	23.9
22-79HA16K	HydraFusion Strut 16 Kit		15.9	40.4	60.7	27.6	61.7	27.9
22-790020G	HydraFusion Pump with Gauge		N/A	N/A	23.2	10.5	24.5	11.1
22-790019	HydraFusion LongShore Screw Adapter		N/A	N/A	6.1	2.7	7.5	3.4
22-790067	HydraFusion AcmeThread Screw Adapter		N/A	N/A	6.5	2.9	8.1	3.6
22-796035	Strut Converter		N/A	N/A	2.7	1.2	3.1	1.4



# ACMETHREAD STRUTDRIVER LIFT LIKE NO OTHER!

**PARATECH ACMETHREAD STRUT DRIVER EASY TO USE, QUICK TO DEPLOY, STRONG AND SAFE**



## AcmeThread Strut Driver

Medium duty strut lifting device integrated into our extremely strong and versatile AcmeThread Rescue Strut. Safe, Easy, Fast Lifting. 6,000 lbs (2,721 kg) lifting capacity. Limitless Functionality; Vehicle stabilization, Structural collapse scenarios, trench shoring, soft placement ability. Made from aircraft grade aluminum housings, alloy steel gears and hardened ball bearings, making lifting smooth and easy. Contoured gear box designed to resist dragging during vehicle lifts. Directional safety mechanism to insure strut will only travel in the direction it indicates.

### Available in Two AcmeThread Strut Sizes

AcmeThread Strut Driver: 25-36 in / 64-91 cm (22.6 lbs / 10.2 kg)  
Part No. 22-796200SD

AcmeThread Strut Driver: 37-58 in / 94-147 cm (29.6 lbs / 13.4 kg)  
Part No. 22-796202SD

Hex Ratchet Handle: 22-797727 2.85 lbs / 1.3 kg

## AcmeThread Strut Driver Retro Fit Kit

Can be attached to any of your existing AcmeThread struts to utilize all the same functionalities of the AcmeThread Strut Driver. This kit includes a removable gearbox and tube end adapter. Can be fully installed and still manually adjusted. An additional tube end adapter is necessary if using strut extensions. Accessories to this kit include the 3/4" (19mm) Hex Wrench and strut Carrying Handle.

Kit with Hex Ratchet Handle: 22-79SDRFH

17.2 lbs / 7.8 kg

Kit without Hex Ratchet Handle: 22-79SDRF

14.4 lbs / 6.5 kg

Hex Ratchet Handle: 22-797727

2.8 lbs / 1.3 kg

Carrying Handle: 22-797042E

2.4 lbs / 1.1 kg



# Rescue Support Systems

## AcmeThread Struts

AcmeThread Struts offer the end-user the ability to extend manually or pneumatically with air, carbon dioxide or nitrogen, utilizing the recessed nipple fitted to the aluminum tube. The 12-15 inch strut is the **ONLY** non-pneumatic strut. AcmeThread Struts always default to the locked position.



Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796212	AcmeThread Strut 12-15 in / 30-38 cm	6.6	3.0	7.1	3.2
22-796206	AcmeThread Strut 19-25 in / 48-64 cm	11.2	5.1	11.7	5.3
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	14.9	6.8	15.4	6.9
22-796202	AcmeThread Strut 37-58 in / 94-147 cm	22.4	10.2	22.9	10.4
22-796204	AcmeThread Strut 56-88 in / 142-224 cm	32.6	14.8	33.1	15.0

## LockStroke Struts

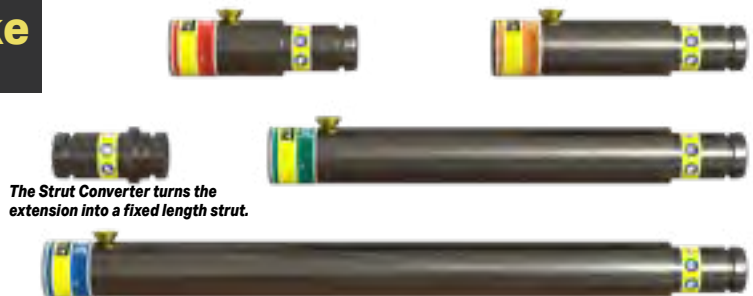
LockStroke Struts feature an innovative automatic locking collar. Activated either manually or pneumatically with air, carbon dioxide or nitrogen, LockStroke Struts always default to the locked position.



Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796006	LockStroke Strut 19-25 in / 48-64 cm	12.7	5.8	13.2	5.9
22-796000	LockStroke Strut 25-36 in / 64-91 cm	16.5	7.5	17.0	7.7
22-796002	LockStroke Strut 36-58 in / 94-147 cm	24.0	10.9	24.5	11.1
22-796004	LockStroke Strut 55-88 in / 142-224 cm	35.7	16.2	36.2	16.4

## AcmeThread & LockStroke Strut Extensions

Paratech offers four sizes of extensions 6, 12, 24 and 36 inches, which can be used with the AcmeThread & LockStroke Struts. Extensions are attached to the strut on the solid end.



The Strut Converter turns the extension into a fixed length strut.

Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796035	Strut Converter	2.7	1.2	3.1	1.4
22-796017	Strut Extension 6 in / 15 cm	3.8	1.7	4.2	1.9
22-796012	Strut Extension 12 in / 30 cm	4.6	2.1	5.0	2.3
22-796024	Strut Extension 24 in / 61 cm	7.1	3.2	8.0	3.6
22-796036	Strut Extension 36 in / 91 cm	9.7	4.4	11.0	5.0

For all lengths displayed above. CLOSED position: inches rounded up - decimals not shown. OPEN position: inches rounded down - decimals not shown.

## LongShore Struts

LongShore Struts offer end-users the ability to extend manually or pneumatically with air, carbon dioxide or nitrogen, utilizing the recessed nipple fitted to the aluminum tube. LongShore Struts always default to the locked position.



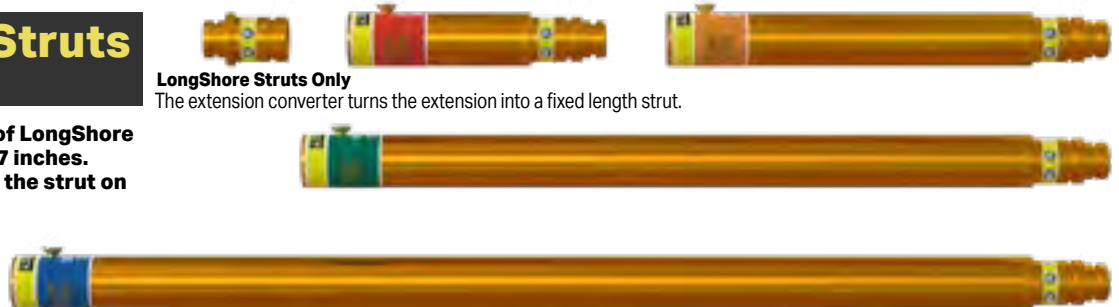
Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796710	LongShore Strut 203 26-36 in / 66-91 cm	16.0	7.3	17.0	7.7
22-796720	LongShore Strut 304 36-50 in / 91-127 cm	22.0	10.0	23.0	10.5
22-796730	LongShore Strut 406 48-73 in / 122-185 cm	28.0	12.7	29.0	13.2
22-796360	LongShore Strut 610 72-116 in / 183-295 cm	41.0	18.6	42.0	19.1
22-796390	LongShore Strut 1016 114-198 in / 290-503 cm	65.0	29.5	66.0	29.9

## LongShore Struts Extensions

LongShore Struts Only

The extension converter turns the extension into a fixed length strut.

Paratech offers four sizes of LongShore Extensions 12, 24, 48 and 67 inches. Extensions are attached to the strut on the solid end.



Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796037	LongShore Converter	2.5	1.1	2.6	1.2
22-796341	LongShore Extension 135 12 in / 30 cm	6.2	2.8	7.2	3.3
22-796342	LongShore Extension 235 24 in / 61 cm	9.2	4.2	10.2	4.6
22-796356	LongShore Extension 435 48 in / 122 cm	15.0	6.8	16.0	7.3
22-796376	LongShore Extension 635 67 in / 170 cm	20.0	9.1	21.0	9.5

## LongShore Adjustable Brace

The B23 and B57 are manually adjusted by twisting the inner threaded shaft to increase or decrease the length of the brace. Utilized in Paratech's Flying Raker Kit (B23) and Midpoint Brace Kit (B57). Utilized to support in both compression as well as tension applied forces.



Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796348	LongShore Adjustable Brace B23 26-36 in / 66-91 cm	15.0	6.8	16.0	7.3
22-796350	LongShore Adjustable Brace B57 60-85 in / 152-216 cm	32.7	14.5	33.7	15.3





For all lengths displayed above. CLOSED position: inches rounded up - decimals not shown. OPEN position: inches rounded down - decimals not shown.



## Bases & End Plates

Designed to be the strut's contact point, Paratech's wide assortment of aluminum alloy bases and end Plates offer unparalleled versatility in the widest range of collapse support situations.

### For Use With:

-  AcmeThread
-  LockStroke
-  LongShore
-  HydraFusion



**ADJUSTABLE  
THREADED  
CONNECTOR**  
For LockStroke Strut  
Net Weight: 2.2lb 1.0kg  
Part No. 22-796160



**SPRING  
LOADED  
CONNECTOR**  
For LockStroke Strut  
Net Weight: 2.2lb  
1.0kg  
Part No. 22-796170



**V BASE**  
The V Base has a 90° V that will fit onto any right angle. Features 2 nailing holes should it need to be nailed to a piece of wood used in other applications  
Net Weight: 1.4lb  
0.6kg  
Part No. 22-796090



**HINGED BASE  
PLATE 12 with  
ANCHOR RING**  
12 IN / 30.5 CM  
45° hinged base with eight  
1 in / 2.5 cm picket holes  
Net Weight: 12.0lb 5.4kg  
Part No. 22-796180C



**SWIVEL BASE 12**  
12 IN / 30.5 CM  
20° swivel base with eight  
1 in / 2.5 cm picket holes  
Net Weight: 9.3lb 4.2kg  
Part No. 22-796180B



**RIGID BASE 12**  
12 IN / 30.5 CM  
Net Weight: 8.6lb 3.9kg  
Part No. 22-796180A



**DUAL BASE**  
24 IN / 61 CM  
Two 360 degree rotatable, quick locking  
hinged bases with anchor rings.  
Net Weight: 25.8lb 11.7kg  
Part No. 22-796180D



**HINGED BASE WITH  
ANCHOR RING**  
6 IN / 15.2 CM  
45° hinged base  
Net Weight: 4.5lb 2.0kg  
Part No. 22-796150



**SWIVEL BASE 6**  
6 IN / 15.2 CM  
20° swivel base  
Net Weight: 3.3lb  
1.5kg  
Part No. 22-796060



**RIGID BASE 6**  
6 IN / 15.2 CM  
Net Weight: 2.8lb  
1.3kg  
Part No. 22-796070



**CHANNEL BASE US:**  
6 IN x 6 IN / 15.2 CM x 15.2 CM  
Part No. 22-796136

**CHANNEL BASE METRIC:**  
6.3 IN x 7 IN / 16 CM x 17.8 CM  
Part No. 22-796133

Used for structural collapse to support beams  
Net Weight: 2.5lb 1.1kg



**CHANNEL BASE US:**  
4 IN x 6 IN / 10.2 CM x 10.2 CM  
Part No. 22-796134

**CHANNEL BASE METRIC:**  
4.3 IN x 6 IN / 10.9 CM x 15.2 CM  
Part No. 22-796131

Used for structural collapse to support beams  
Net Weight: 2.0lb 0.9kg

# Rescue Support Systems



## MULTI CHAIN BASE

Takes 3/8" (9.5mm) and 1/2" (12.7mm)  
\*Including square chains

Net Weight: 3.16lb 1.64kg  
Part No. 22-796685



## MULTI BASE

Can be used as a V Base, Cone Base, Wedge Base and will accept a 3/8" chain

Net Weight: 2.0lb 0.9kg  
Part No. 22-796025



## CONVEX MULTI BASE

Multi-purpose vehicle stabilization with Chain Wedge for 3/8" chain, V and cone feature

Net Weight: 3.2lb 1.4kg  
Part No. 22-796269



## SPIKE BASE

The Spike Base has replaceable stainless steel spikes that will dig into sheet metal and a V and cone feature for Veh. Stabilization

Net Weight: 1.2lb 0.5kg  
Part No. 22-797687



## CONTOUR BASE

Contoured to grip surfaces dealing in vehicle stabilization kits

Net Weight: 1.7lb 0.8kg  
Part No. 22-796270



## MONOPOD HEAD / PULLEY

MonoPod Head / Pulley is designed for blind shaft elevator rescue but can be used in other locations

Net Weight: 7lb 3.2kg  
Part No. 22-796540



## MONOPOD / PULLEY ANGLE BASE

Designed originally for the MonoPod kit to be used in blind shaft elevator rescue but can be used in other locations

Net Weight: 7lb 3.2kg  
Part No. 22-796590



## MONOPOD / PULLEY ROOF PLATE

MonoPod / Pulley Roof Plate for use in conjunction with the MonoPod Head / Pulley

Net Weight: 14lb 6.4kg  
Part No. 22-796570



## HITCH BASE

Can be utilized by putting into a 2" hitch receiver and in conjunction with the MonoPod kit so you can have a high point anchor off of your vehicle

Net Weight: 13.4lb 6.1kg  
Part No. 22-796575



## ANGLE BASE

The angle base can be used just like the 4x4 or 6x6 bases. Designed for use when you cannot make full contact around the header or sole Plate.

Net Weight: 1.6lb 0.7kg  
Part No. 22-796092



## BIPOD HEAD

The BiPod Head is to be used in conjunction with the (2) bipod base Plates to create the BiPod

Net Weight: 33 lb 15 kg  
Part No. 22-796820



## BIPOD BASE

The BiPod Base Plate is a 12 in / 30.5 cm base plate designed with the full articulating cup

Net Weight: 11.1lb 5.0kg  
Part No. 22-796180E



## CLAMP & CLEVIS

Designed for use with the Flying Raker and Midpoint brace kit in conjunction with the Raker Kits

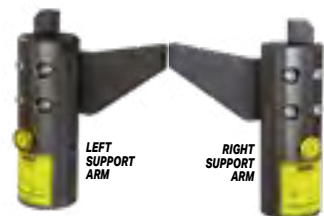
Net Weight: 5.0lb 2.3kg  
Part No. 22-796330



## ANGLED RUBBER BASE

Angled rubber base used in conjunction with the elevator support arms lock elevator in position during rescues

Net Weight: 1.7lb 0.8kg  
Part No. 22-796266



## ELEVATOR SUPPORT ARMS

Left and Right Elevator Support Arms used in conjunction with angled rubber base to lock elevator in position during rescues

Net Weight: 8.5lb 3.9kg  
Part No. 22-796260L or Part No. 22-796260R



## TRIPOD HEAD

To be used in conjunction with either AcmeThread or LongShore struts to create a tripod

Net Weight: 9.0lb 4.1kg  
Part No. 22-796010



## VSK BASE 6

6 in / 15.2 cm base integrated with ratchet belt and anchor ring making vehicle stabilization quicker & easier

Net Weight: 18.5lb 8.4kg  
Part No. 22-796331



## VSK BASE 12

12 in / 30.5 cm base integrated with ratchet belt and anchor ring making vehicle stabilization quicker & easier

Net Weight: 23.5lb 10.6kg  
Part No. 22-796308



# Rescue Support Systems

## Waler Rails



Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796295	Spot Shore Rail 18 in / 45.7 cm	11.2	5.1	13.2	6.0
22-796281	Waler Rail 6 ft / 1.8 m	42.8	19.4	44.8	20.3
22-796283	Waler Rail 8 ft / 2.4 m	58.7	26.6	60.7	27.5

## Waler Systems

Part No.	Net Weight: lb	kg	Ship Weight: lb	kg
22-796282	501.6	227.6	529.6	240.2

Part No.	Description	Quantity	Part No.	Description	Quantity
22-796281	Waler Rail 6 ft / 1.8 m	4	22-796285	Stop Block	16
22-796283	Waler Rail 8 ft / 2.4 m	4	22-796287	Waler Connector	4

## Waler Accessories

### Inside Mechanical Thrust Block

Net Weight: 10.4lb 4.7kg  
Part No. 22-796401



### Outside Mechanical Thrust Block

Net Weight: 21.6lb 9.8kg  
Part No. 22-796411



### L-Trench Adapter Set

Net Weight: 8.4lb 3.8kg  
Part No. 22-796425



### Waler Connector

Net Weight: 19.9lb 9.0kg  
Part No. 22-796287



### Waler Stop Block

Net Weight: 1.0lb 0.5kg  
Part No. 22-796285



## LongShore Raker Rails



Part No.	Description	Net Weight: lb	kg	Ship Weight: lb	kg
22-796258B	Raker Rail 4 48 in / 122 cm	13.7	6.2	14.7	6.7
22-796258C	Raker Rail 6 72 in / 183 cm	20.7	9.4	21.7	9.8

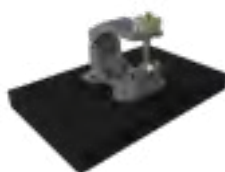
## Raker Accessories



**RAKER RAIL SPLICE**  
Net Weight: 7.5lb 3.4kg  
Part No. 22-796469



**45 DEGREE BASE**  
Net Weight: 13.5lb 6.1kg  
Part No. 22-796690



**NAILING PAD WITH CLAMP**  
Net Weight: 9.9lb 4.5kg  
Part No. 22-796310



**RAKER ANGLE BASE**  
Net Weight: 5.6lb 2.5kg  
Part No. 22-796475



**LATCH HOLDER**  
Net Weight: 4.2lb 1.9kg  
Part No. 22-796689



**RAKER RAIL LATCH**  
Net Weight: 3.2lb 1.5kg  
Part No. 22-796250



**RAKER JUNCTION BASE**  
Net Weight: 7.3lb 3.3kg  
Part No. 22-796290



**RAIL JUNCTION**  
Net Weight: 9.7lb 4.4kg  
Part No. 22-796280



**STRUT DISTRIBUTOR MODULE**  
Net Weight: 0.5lb 0.2kg  
Part No. 22-796395



For use with single or dual controller. Can connect up to 5 modules to shoot 6 struts at one time.

## Air Supply Components



**DUAL DEADMAN STRUT CONTROLLER G3**  
250 PSI / 17.2 BAR  
Net Weight: 3.1lb 1.6kg  
Part No. 22-796103G3



**STRUT REGULATOR G3**  
5,500-0 PSI / 379.2-0 BAR  
Part No. 22-895400G3 US  
Net Weight: 3.8lb 1.7kg  
Part No. 22-895400DG3 METRIC  
Net Weight: 3.9lb 1.8kg



**SINGLE TRENCH CUSHION CONTROLLER**  
7.25 PSI / 0.5 BAR  
Net Weight: 5.0lb 2.3kg  
Part No. 22-887310



**VSK V2 CONTROLLER**  
29 PSI / 1.9 BAR  
Net Weight: 2.4lb 1.0kg  
Part No. 22-796V02

## Air Hoses



### 3/8 IN / 9.5 mm diameter

	RED	YELLOW	GRAY	BLUE	BLACK	GREEN
x 16 ft / 5 m (2.5 lb / 1.1 kg)	22-890516	22-890515	22-890518	22-890514	22-890513	22-890517
x 32 ft / 10 m (4.5 lb / 2.0 kg)	22-890521	22-890520	22-890525	22-890523	22-890522	22-890524
x 50 ft / 15 m (7.0 lb / 3.2 kg)	22-890541	22-890542	22-890545	22-890543	22-890546	22-890544

### 1 IN / 25.4 mm diameter

	RED	BLUE
x 20 ft / 6.1 m (11.0 lb / 5.0 kg)	22-887400	22-887401

# Rescue Support Systems

## Trench Control Kit

Everything needed to address a trench rescue scenario. Deploy up to four struts at a time with the Strut Distributor Module and Dual Deadman Strut Controller

Part No.	Net Weight:	lb	kg
22-796TCK US 22-796TCKD METRIC		53.4	34.2

Quantity	Part No.	Description
1	22-796103G3	Dual Deadman Strut Controller
1	22-895400G3	Strut Regulator G3 CGA / DIN
6	22-796395	Strut Distributor Module
1	22-890513	Air Hose, Black 16ft / 5m
2	22-890520	Air Hose, Yellow 32ft / 10m
2	22-890521	Air Hose, Red 32ft / 10m
1	22-890522	Air Hose, Black 32ft / 10m
1	22-890523	Air Hose, Blue 32ft / 10m
1	22-890524	Air Hose, Green 32ft / 10m
1	22-890525	Air Hose, Gray 32ft / 10m
1	22-796TCC	Carrying Case with Insert, Strut



## Rescue Support Systems Accesories



**Chain, 10mm X  
6.1m w/ Hooks**

Net Weight: 33.5lb 15.2kg  
Part No. 22-796165EU  
Part No. 22-796C1H



**Ratchet Belt with Finger  
Hook 27 Ft / 8.2 M**

Capacity: 3,300 lb / 1,497 kg Working  
10,000 lb / 4,536 kg Breaking  
Net Weight: 5.9lb 2.7kg  
Part No. 22-890553



**Tie Down Keys  
with J Hook**

Net Weight: 5.0lb 2.3kg  
Part No. 22-796161

**Utilized with all VSK's  
Gives ability to attach ratchet belt to almost any vehicle on the road.**



## Advanced Ty Strut Release Tool

The new patent pending Ty Strut Release Tool is designed to be used to place Paratech struts into a trench or hard to reach places and to tighten or loosen struts.

Net Weight: 2.2lb 1.0kg  
Part No. 22-796845



## Basic Ty Strut Release Tool

Ty Strut Release Tool without LockStroke Release Mechanism

Net Weight: 1.44lb .65kg  
Part No. 22-796840



## Lockstroke Release Mechanism Only

Net Weight: .71lb .32kg  
Part No. 22-796847



## Trench Cushion

18 IN / 45.7 CM  
LIFT: 3.3 US TON / 3.0 METRIC TON  
Low pressure square cushions that can fill up to an 18 in (46 cm) void.  
Net Weight: 28.0lb 12.7kg  
Part No. 22-887060

## Clip 3.0 / 7.6CM

(for AcmeThread & LockStroke Struts)  
Net Weight: 0.6lb 0.3kg  
Part No. 22-796182A



## Clip 3.5 / 8.9CM

(for LongShore Struts)  
Net Weight: 0.8lb 0.8kg  
Part No. 22-796185A



## Double Headed Picket

1 in / 2.5 cm x 40 in / 101.6 cm  
STL Picket Double Headed  
Net Weight: 9.5lb 4.3kg  
Part No. 22-796P14



## Manual Compressor

(2 Stage)  
18.5 x 7.6 x 5.0 IN  
47.0 x 19.3 x 12.7 CM  
Net Weight: 14.7lb 6.7kg  
Part No. 22-800400



## Shoring Hammer

The multi-functional shoring hammer  
Net Weight: 2.9lb 1.3kg  
Part No. 22-796430



## Non-Slip Neoprene Pad

15 x 15 x 1 IN  
38.1 x 38.1 x 2.5 CM  
Net Weight: 12.0lb 5.4kg  
Part No. 22-890015



## RSS Carrying Handle

For use with both AcmeThread and LockStroke Struts and the AcmeThread Strut Driver  
Net Weight: 2.4lb 1.1kg  
Part No. 22-797042E



## RSS Carrying Strap

For use with all Paratech Rescue Struts  
Net Weight: 0.6lb 0.2kg  
Part No. 22-790060



# Rescue Support Systems

## Monopod/Pulley Kit

The Monopod Head & Pulley attach to the 610 LongShore Strut and can be used in applications such as high angle, elevator shaft, confined space and trench rescue. The kit includes the Monopod Head & Pulley, Tri-Anchor Ring, Angle Base, Roof Plate and also includes a black ballistic nylon carrying case.

### Product Features:

- Pulley assembly allows the rope to come down the outside of the tube for ease of hoisting (5,000 lb / 2,268 kg capacity)
- 1,000 lb / 454 kg load capacity per hoist ring (4)
- Can be used with a life safety rope of up to 0.5 inch / 1.3 cm
- Monopod Head & Pulley Assembly is constructed of lightweight aluminum and stainless steel for strength and durability

Part No.	Description	Quantity
22-796535	Carrying Case, Monopod/Pulley Kit	1
22-796540	Monopod Head/Pulley	1
22-796595	Tri-Anchor	1
22-796570	Monopod/Pulley Roof Plate	1
22-796590	Monopod/Pulley Angle Base	1

Part No.	Net Weight: lb	kg
22-796530	43.0	19.5



### HITCH BASE (optional)

Can be utilized by putting into a 2" hitch receiver and in conjunction with the Monopod kit so you can have a high point anchor off of your vehicle

Part No. 22-796575

## Bipod Kit

The Bipod Kit is designed for use in various lifting and moving applications. It can be utilized in high angle, cliff overhangs, grain elevator rescue, confined space, trench, mine and open pit rescues. The kit includes Bipod Head and two Hinged Base Plates with Anchor Rings.

### Product Features:

- 60° maximum spread angle with parallel max indication lines
- High strength hinged rotating anchor Plate
- Bipod Conversion Kit is constructed of lightweight aluminum and stainless steel for strength and durability

Part No.	Description	Quantity
22-796180E	Bipod Base Plate	2
22-796820	Bipod Head	1
22-796818	Carrying Case, Bipod	1

Part No.	Net Weight: lb	kg
22-796810	60.6	27.5



## Tripod Kit

Designed to complement the Rescue Support System line, the Tripod kit is manufactured of lightweight aluminum and stainless steel for strength and durability. This kit is designed for use with your rescue struts already used in trench rescue, building collapse and vehicle stabilization. Attach the Tripod head to an AcmeThread, LockStroke or LongShore Strut and/or Extension to create a strong, stable support for tripod use as a jack stand and/or high support. A durable carrying case makes transport easy.

Part No.	Description	Quantity
22-796010	Tripod Head	1
22-796150	Hinged Base with Anchor Ring	3
22-796155	30 ft Chain with Grab Hook	1
22-796305	Carrying Case, Tripod	1

Part No.	Net Weight: lb	kg
22-796300	63.0	28.6

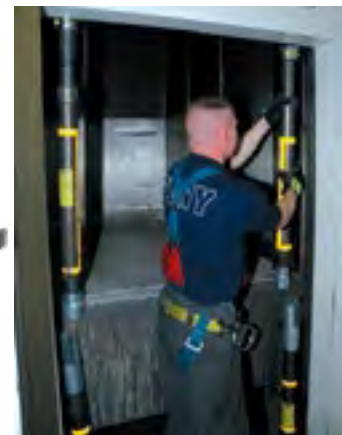


## Elevator Support Unit Adapter Kit

Paratech's Elevator Support Unit (ESU) safely stabilizes an elevator and prevents it from moving. When deployed, the ESU causes zero to minimal damage to elevator cars and affords rescue teams precious time to extricate passengers and save lives. Two unique rescue base and end Plates form the core components of this system. An Angled Rubber Base attaches to either Rescue Strut and grips the floor, while the Elevator Support Arm attaches to the top of the Rescue Strut and hooks under the elevator car.

Part No.	Net Weight: lb	kg
22-796260	27.2	12.3

Part No.	Description	Quantity
22-796260L	Elevator Support Left Arm	1
22-796260R	Elevator Support Right Arm	1
22-796266	Angled Rubber Base	6
22-000915	Case, ESU Kit	1



## Elevator Shaft Rescue Kit (ESR)

Elevator Shaft Rescue (ESR) Kit: designed in conjunction with City of Chicago and IFSI (University of Illinois Fire Service Institute) rescue professionals, this kit makes elevator shaft rescue easy and efficient through the creation of a wedged truss bar.

- Fast and easy set up
- Can be set up in doorways, windows, elevator doors, blind shaft elevator hatches, industrial high points, ship board applications, etc.
- Adjustable base for longer door thresholds
- Removable angle on base for window high points
- Rubber foot plate does not mark or damage marble, granite or wooden floors

Part No.	Net Weight: lb	kg
22-796890K	41.48	19.44

Part No.	Description	Quantity
22-796266	Angled Rubber Base	2
22-796891	T-Junction	2
22-796905	Adjustable Hinged Base	2
22-796430	Shoring Hammer	1
22-796895	Header Swivel Base	2

\*Struts Not Included in Kit



## Trench Cushion Kit

Designed to tackle one of the biggest challenges in trench collapse rescue, this kit includes the equipment you need to quickly and safely support your shoring panels. With our proven trench cushion system you can significantly reduce the time needed to backfill your shoring panels and maintain a vertical surface for support. Included in the kit are two low pressure square cushions with a 3.3 US ton (3 m ton) capacity that can fill up to an 18 in (46 cm) void. Each cushion is fitted with o-ring harnesses for ease of lowering into the trench and a yellow centering cross to help in positioning the cushions along the sides of the trench wall. Combined with our Paratech Rescue Struts this kit will equip you with the right tools for your next trench rescue.

Part No.	Net Weight: lb	kg
22-887070	85.5	38.8

Part No.	Description	Quantity
22-887060	Trench Cushion 18 in / 45.7 cm 3.3 US Ton / 3.0 m ton Capacity	2
22-887310	Single Cushion Controller 7.25 psi / 0.5 bar	2
22-887400	Air Hose 1 in / 25.4 cm dia. x 20 ft / 6.1m Red	1
22-887401	Air Hose 1 in / 25.4 cm dia. x 20 ft / 6.1m Blue	1
22-890513	Air Hose 3/8 in / 9.5 dia. x 16 ft / 5m Black	1



## Solid Sole Rakers & Accessories

Paratech offers the necessary accessories to convert our LongShore Struts into a fully deployable raker system that is fast, strong and easy to install. Paratech's innovative Raker accessories and LongShore Struts meet US&R requirements for strength and deployability. The Paratech LongShore System offers unique features and benefits ensuring proven performance every time the system is deployed.

## Absolute Raker

Paratech once again sets a new standard, no wood, no pins, no chains...no hassle. The Absolute Raker provides flexibility, functionality and economy.

Never worry about wood again—fully deployable in minutes—or easily turn your existing Paratech Raker into an Absolute Raker, with the Standard to Absolute Upgrade Kit . Interoperational with all Paratech Rescue Support Systems, as always.



## Absolute Raker Set

Part No.	Description	lb	kg
22-796984	Absolute Raker Set	795.3 lb	360.7 kg

Part No.	Description	Quantity
22-796180C	Hinged Base 12 w/ Anchor Ring	2
22-796250	Raker Rail Latch	4
22-796258C	Raker Rail 6	4
22-796280	Raker Rail Junction	2
22-796290	Raker Junction Base	2
22-796330	Clamp and Clevis	12
22-796342	LongShore Extension 235	7
22-796350	LongShore Adjustable Brace B57	7
22-796356	LongShore Extension 435	2
22-796360	LongShore Strut 610	4
22-796376	LongShore Extension 635	2
22-796469	Raker Rail Splice	2
22-796475	Raker Angle Base	2
22-796656	Rail 4 Latch Holder	1

## Double Absolute Raker Set

The double absolute raker set can create an 18 ft (5,5m) vertical insertion point double raker, or be recombined to create 3 separate flying rakers with up to 40 ft (12,2m) of horizontal coverage.

Part No.	Description	lb	kg
22-796981	Double Absolute Raker Set	795.3 lb	360.7 kg

Part No.	Description	Quantity
22-796180C	Hinged Base 12 w/ Anchor Ring	6
22-796250	Raker Rail Latch	12
22-796258C	Raker Rail 6	6
22-796280	Raker Rail Junction	2
22-796290	Raker Junction Base	2
22-796330	Clamp and Clevis	24
22-796348	LongShore Adjustable Brace B23	6
22-796350	LongShore Adjustable Brace B57	9
22-796341	LongShore Extension 135	2
22-796342	LongShore Extension 235	9
22-796360	LongShore Strut 610	6
22-796376	LongShore Extension 635	6
22-796469	Raker Rail Splice	4
22-796475	Raker Angle Base	6
22-796689	Latch Holder	3
22-796430	Shoring Hammer	2



## Absolute Flying Raker

Paratech fully mechanical Absolute Flying Raker Sets leave the wood behind. Stronger, faster and easier than wood, the Absolute Flying Raker in 8 ft (2.4 m) sets, allow rescue teams to build rakers around the rubble pile.

Use the Woodless Flying Raker kit upgrade to upgrade a Standard Flying Raker to an Absolute Woodless Flying Raker. Interoperational with all Paratech Rescue Support Systems, as always.



## Absolute Flying Raker Set

Part No.	Description	lb	kg
22-796984F	Absolute Flying Raker Set	535.9 lb	243.1 kg

Part No.	Description	Quantity
22-796180C	Hinged Base 12 w/ Anchor Ring	2
22-796258C	Raker Rail 6	2
22-796330	Clamp and Clevis	12
22-796342	LongShore Extension 235	4
22-796350	LongShore Adjustable Brace B57	5
22-796348	LongShore Adjustable Brace B23	2
22-796356	LongShore Extension 435	2
22-796360	LongShore Strut 610	2
22-796376	LongShore Extension 635	2
22-796475	Raker Angle Base	2
22-796656	Rail 4 Latch Holder	1
22-796250	Raker Rail Latch	4

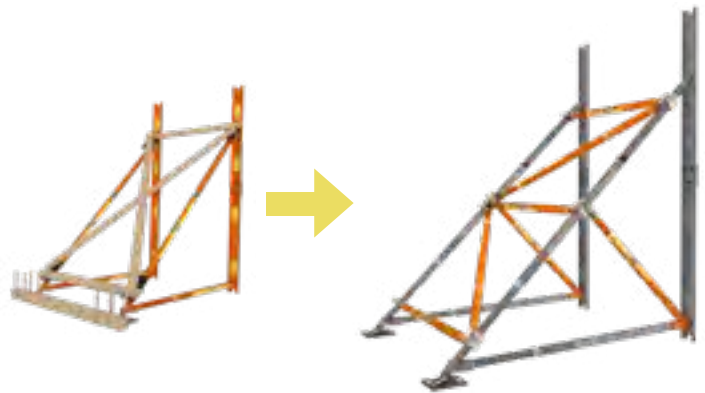


## Standard to Absolute Raker Upgrade Kit

The standard to absolute raker upgrade kit changes your deployable solid sole raker into an absolute raker. It removes the need for wood bracing and replaces it with high strength fully mechanical cross-bracing and midpoint braces.

Part No.	Description	lb	kg
22-796983	Standard Raker to Absolute Raker Upgrade	354.3 lb	160.7 kg

Part No.	Description	Quantity
22-796280	Rail Junction	2
22-796330	Clamp and Clevis	12
22-796342	LongShore Extension 235	5
22-796350	LongShore Adjustable Brace B57	7

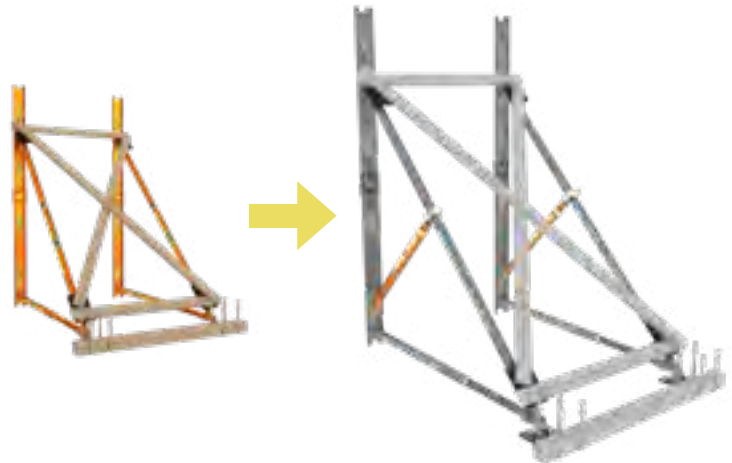


## Raker Midpoint Brace Kit

The mid point brace kit can be utilized with the Raker Sets and will greatly increase the strength of your Raker Kit. Adding this item to your Raker Set will guarantee you have the strongest raker.

Kit Part No.	Net Weight:	lb	kg
22-796484		97.6	44.3

Part No.	Description	Quantity
22-796350	Adjustable Brace Model B57	2
22-796250	Raker Rail Latch	2
22-796330	Clamp 335 & Clevis	2

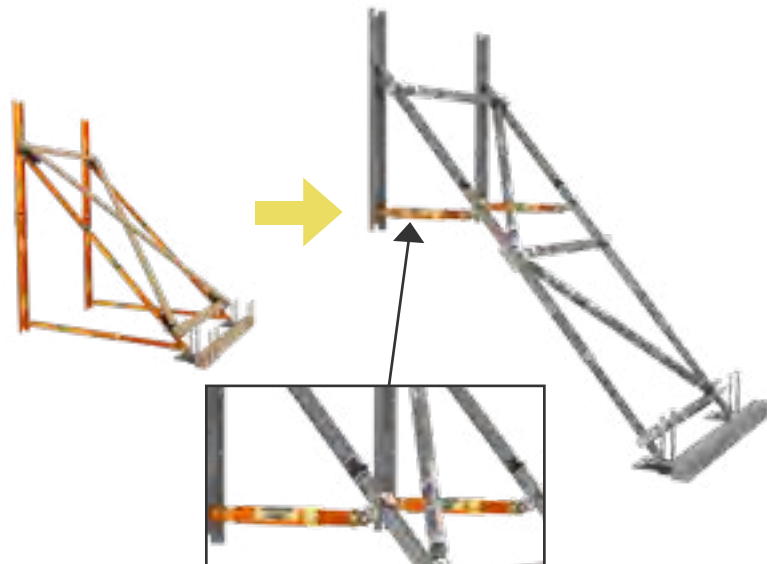


## Flying Raker Kit

Add this kit to your Standard Raker Kit to turn it into a Flying Raker.

Kit Part No.	Net Weight:	lb	kg
22-796486		46.8	21.2

Part No.	Description	Quantity
22-796348	Adjustable Brace Model B23	2
22-796250	Raker Rail Latch	2
22-796330	Clamp 335 & Clevis	2

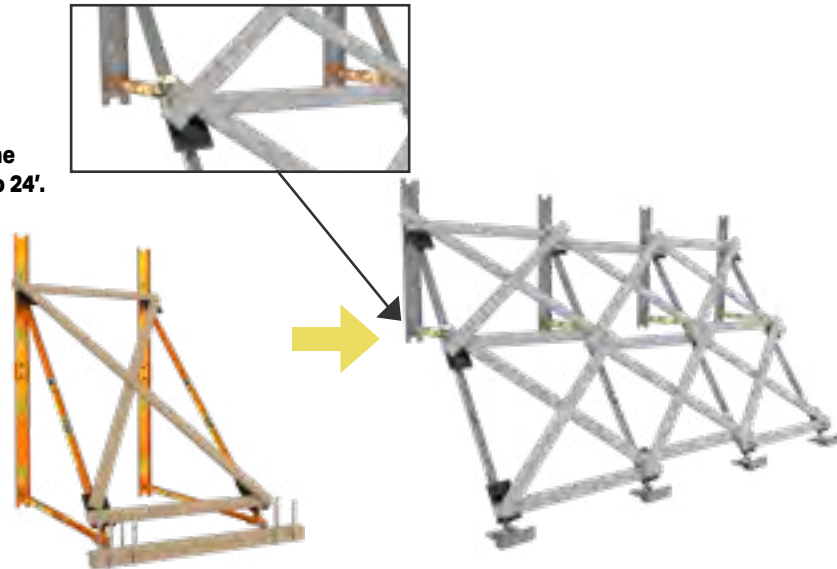


## Raker Expansion Kit

Increase your Raker Set capacity by adding this additional cache of equipment and increase your wall support capacity from 8' to 24'.

Kit Part No.	Net Weight: lb	kg
<b>22-796485</b>	143.8	65.2

Part No.	Description	Quantity
<b>22-796180C</b>	Base Plate 12 12 in / 30.5 cm	2
<b>22-796475</b>	Raker Angle Base	2
<b>22-796310</b>	Nailing Pad with Clamp	6
<b>22-796486</b>	Flying Raker Kit (qty. 2 kits below)	2
<b>22-796348</b>	Adjustable Brace Model B23	4
<b>22-796250</b>	Raker Rail Latch	4
<b>22-796330</b>	Clamp 335 & Clevis	4



## Woodless Flying Raker Brace Kit

Use this kit to upgrade your Flying Raker to an Absolute Flying Raker

Part No.	Description	lb	kg
<b>22-796487</b>	Woodless Flying Raker Brace Kit Absolute Raker Upgrade	231.9 lb	105.2 kg

Part No.	Description	Quantity
<b>22-796330</b>	Clamp and Clevis	10
<b>22-796342</b>	LongShore Extension 235	2
<b>22-796350</b>	LongShore Adjustable Brace B57	5



## High Strength Structural Kit

The Paratech High Strength Structural Kit is designed to cope with the heaviest loads seen in USAR. The HSSK combines 3 heavy duty LongShore shoring struts, the strongest shores Paratech produces, and combines them into a single shoring configuration using a simple and easy to install hand tightened tri-brace. The tri-brace ties the shores together and provides rescuers 3X the load rating listed shoring capacity of the tabulated data on the LongShore strut at a given length. The HSSK can be used to shore the extremely heavy loads at length such as replacing damaged columns in a compromised structure.

Part No.	Description	lb	kg
<b>22-796HSSK</b>	High Strength Structural Kit	231.9 lb	105.2 kg

Part No.	Description	Quantity
<b>22-796395</b>	Strut Distributor Module	2
<b>22-796399</b>	Tri-Brace	1
<b>22-796680</b>	Tri-Base	2
<b>22-890520</b>	32 ft Hose, Yellow w/ Couplings	1
<b>22-890521</b>	32 ft Hose, Red w/ Couplings	1
<b>22-890522</b>	32 ft Hose, Black w/ Couplings	1



# Rescue Support Systems

## Basic 12 Shore Trench Kit

This kit gives the rescuer the ability to construct up to 12 shores for use in a trench rescue. With the available air controls and vibrant colored hoses, this is a great starter trench kit.



2 - Strut Extension 12 in / 30 cm 22-796012



4 - Strut Extension 24 in / 61 cm 22-796024



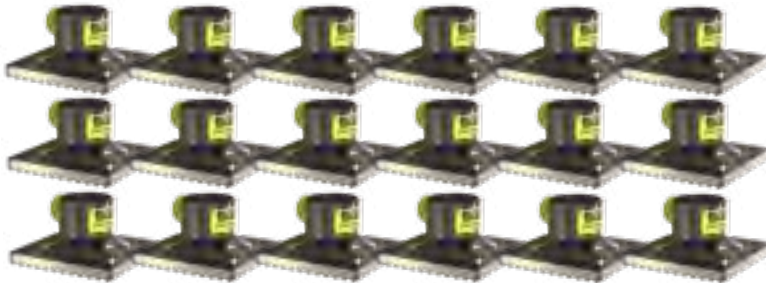
4 - AcmeThread Struts 25-36 in / 64-91 cm 22-796200



8 - AcmeThread Struts 37-58 in / 94-147 cm 22-796202



6 - Square Rigid Base 6 in / 15.2 cm 22-796070



18 - Square Swivel Base 6 in / 15.2 cm 22-796060



2 - Air Hose  
3/8 in / 9.5 mm dia. x 16 ft / 5 m  
Yellow 22-890515



2 - Air Hose  
3/8 in / 9.5 mm dia. x 32 ft / 10 m  
Yellow 22-890520



2 - Air Hose  
3/8 in / 9.5 mm dia. x 16 ft / 5 m  
Red 22-890516



2 - Air Hose  
3/8 in / 9.5 mm dia. x 32 ft / 10 m  
Red 22-890521



1 - Dual Deadman Strut  
Controller G3  
250 psi / 17.2 bar  
22-796103G3



4 - Shoring Hammer  
22-796430



1 - Strut Regulator G3  
5,500-300 psi / 379.2-20.7 bar  
22-895400G3

Kit Part No.		Net Weight: lb	kg
22-796860	US	374.6	
22-796860D	Metric		170.2

Part No.	Description	Quantity
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	4
22-796202	AcmeThread Strut 37-58 in / 94-147 cm	8
22-796012	Strut Extension 12 in / 30 cm	2
22-796024	Strut Extension 24 in / 61 cm	4
22-796060	Square Swivel Base 6 in / 15.2 cm	18
22-796070	Square Rigid Base 6 in / 15.2 cm	6
22-796103G3	Dual Deadman Strut Controller G3 250 psi / 17.2 bar	1
22-895400G3	Strut Regulator G3 CGA / DIN 5,500-0 psi / 379.2-0 bar	1
22-890515	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m Yellow	2
22-890520	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Yellow	2
22-890516	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m Red	2
22-890521	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Red	2
22-796430	Shoring Hammer	4





## 16 Shore Trench Kit

This kit gives the rescuer the ability to construct up to 16 shores for use in a trench rescue. With the available Trench Cushions to fill void spaces and the air controls & vibrant colored hoses, this is a great kit for your Trench Rescue needs.



4 - Strut Extension 6 in / 15 cm 22-796017



6 - Strut Extension 12 in / 30 cm 22-796012



6 - Strut Extension 24 in / 61 cm 22-796024



2 - LockStroke Struts 25-36 in / 64-91 cm 22-796000



2 - AcmeThread Struts 37-58 in / 94-147 cm 22-796202



4 - AcmeThread Struts 25-36 in / 64-91 cm 22-796200



6 - AcmeThread Struts 19-25 in / 48-64 cm 22-796206



2 - AcmeThread Struts 12-15 in / 31-38 cm 22-796212



1 - Dual Deadman Strut Controller G3 250 psi / 17.2 bar 22-796103G3



4 - Shoring Hammer 22-796430



1 - Strut Regulator G3 5,500-300 psi / 379.2-20.7 bar 22-895400G3



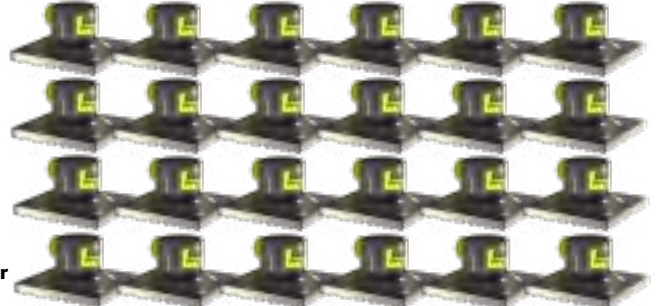
2 - Trench Cushion 18 in / 45.7 & 3.3 US Ton / 3.0 Metric Ton Capacity 22-887060



2 - Single Cushion Controller 7.25 psi 22-887310



1 - Air Hose 1 in / 25.4 mm dia. x 20 ft / 6.1 m Red 22-887400



24 - Square Swivel Base 6 in / 15.2 cm 22-796060



1 - Air Hose 1 in / 25.4 mm dia. x 20 ft / 6.1 m Blue 22-887401



1 - Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m Black 22-890513



8 - Square Rigid Base 6 in / 15.2 cm 22-796070



4 - Strut Distributor Module (2 couplings, 1 nipple) 22-796395



1 - Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m Black 22-890513



2 - Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Yellow 22-890520



2 - Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Red 22-890521

Kit Part No.		Net Weight: lb	kg
22-796862	US	445.8	
22-796862D	Metric		202.6

Part No.	Description	Quantity
22-796212	AcmeThread Strut 12-15 in / 31-38 cm	2
22-796206	AcmeThread Strut 19-25 in / 48-64 cm	6
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	4
22-796202	AcmeThread Strut 37-58 in / 94-147 cm	2
22-796000	LockStroke Strut 25-36 / 64-91 cm	2
22-796017	Strut Extension 6 in / 15 cm	4
22-796012	Strut Extension 12 in / 30 cm	6
22-796024	Strut Extension 24 in / 61 cm	6
22-796103G3	Dual Deadman Strut Controller G3 250 psi / 17.2 bar	1
22-895400G3	Strut Regulator G3 5,500-300 psi / 379.2-20.7 bar	1
22-890520	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Yellow	2
22-890521	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Red	2
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m Black	1
22-796395	Strut Distributor Module (2 coupling, 1 nipple)	4
22-796060	Square Swivel Base 6 in / 15.2 cm	24
22-796070	Square Rigid Base 6 in / 15.2 cm	8
22-796430	Shoring Hammer	4
22-887070	Trench Cushion Kit (qty. 1 kit below)	1
22-887060	Trench Cushion 18 in / 3.25 ton capacity	2
22-887310	Single Cushion Controller 7.25 psi	2
22-887400	Air Hose 1 in / 25.4 mm dia. x 20 ft / 6.1 m Red	1
22-887401	Air Hose 1 in / 25.4 mm dia. x 20 ft / 6.1 m Blue	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m Black	1

## Light US&R Rescue Strut System

This system affords the rescuer the ability to tackle most structural collapse scenarios. The system includes (1) Raker set and numerous Rescue Struts and components which would be a great start to any Fire Department looking to be more involved in structural collapse incidents.



2 - LongShore 610 Struts 72-116 in / 183-295 cm 22-796360



2 - AcmeThread Struts 56-88 in / 142-224 cm 22-796204



2 - AcmeThread Struts 37-58 in / 94-147 cm 22-796202



2 - AcmeThread Struts 25-36 in / 64-91 cm 22-796200



2 - Strut Extension 36 in / 91 cm 22-796036



2 - Strut Extension 12 in / 30 cm 22-796012



2 - AcmeThread Struts 12-15 in / 31-38 cm 22-796212



2 - AcmeThread Struts 19-25 in / 48-64 cm 22-796206



2 - Strut Extension 24 in / 61 cm 22-796024



2 - Load Indicator 22-796550



1 - Air Hose  
3/8 in / 9.5 mm dia. x 32 ft / 10 m Red  
22-890521

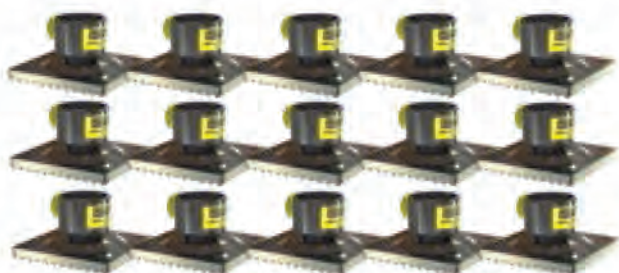


1 - Air Hose  
3/8 in / 9.5 mm dia. x 32 ft / 10 m Black  
22-890522



1 - Air Hose  
3/8 in / 9.5 mm dia. x 32 ft / 10 m Yellow  
22-890520

# Rescue Support Systems



15 - Square Swivel Base 6 in / 15.2 cm 22-796060



15 - Square Rigid Base 6 in / 15.2 cm 22-796070



4 - Shoring Hammer  
22-796430



1 - Dual Deadman  
Strut Controller G3  
250 psi / 17.2 bar  
22-796103G3



1 - Strut Regulator G3  
5,500-300 psi / 379.2-20.7 bar  
22-895400G3

## 22-796984 Absolute Raker Set



7 - LongShore Extension 235 24 in / 61 cm 22-796342



2 - Raker Junction Base  
22-796290



2 - Raker Angle Base  
22-796475



2 - Raker Rail Junction  
22-796280



4 - LongShore Strut 610 72-116 in / 183-295 cm 22-796360



1 - Latch Holder  
22-796689



4 - Raker Rail Latch 22-796250



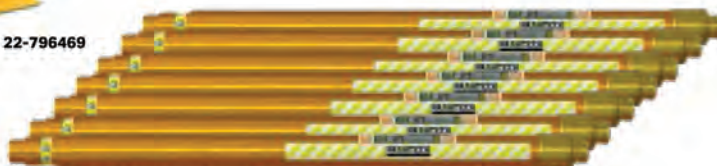
2 - Raker Rail Splice 22-796469



2 - LongShore Extension 435 48 in / 122 cm 22-796356



2 - LongShore Extension 635 67 in / 170 cm 22-796376



7 - LongShore Adjustable Brace B57 60-85 in / 152-216 cm 22-796350



4 - Raker Rail 6 72 in / 183 cm 22-796258C



12 - Clamp and Clevis 22-796310



2 - Hinged Base Plate 12 in / 30.5 cm  
22-796180C

System Part No.	Net Weight: lb	kg
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22-796901	US	740.1
22-796901M	Metric	335.7

Part No.	Description	Quantity
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22-796212	AcmeThread Strut 12-15 in / 31-38 cm	2
22-796206	AcmeThread Strut 19-25 in / 48-64 cm	2
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	2
22-796202	AcmeThread Strut 37-58 in / 94-147 cm	2
22-796204	AcmeThread Strut 56-88 in / 142-224 cm	2
22-796360	LongShore Strut 610, 72-116 in / 183-295 cm	2
22-796012	Strut Extension 12 in / 30 cm	2
22-796024	Strut Extension 24 in / 61 cm	2
22-796036	Strut Extension 36 in / 91 cm	2
22-796060	Square Swivel Base 6 in / 15.2 cm	15
22-796070	Square Rigid Base 6 in / 15.2 cm	15
22-796103G3	Dual Deadman Strut Controller G2 250 psi / 17.2 bar	1
22-895400G3	Strut Regulator G3 CGA / DIN 1 5,500-0 psi / 379.2-0 bar	1
22-796550	Load Indicator 20,000 lbs.	2
22-890520	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Yellow	1
22-890521	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Red	1
22-890522	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Black	1
22-796430	Shoring Hammer	4

22-796984	Absolute Raker Set (qty. 1 kit below)	1
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22-796180C	Hinged Base 12 w/ Anchor Ring	2
22-796250	Raker Rail Latch	4
22-796258C	Raker Rail 6	4
22-796280	Raker Rail Junction	2
22-796290	Raker Junction Base	2
22-796330	Clamp and Clevis	12
22-796342	LongShore Extension 235	7
22-796350	LongShore Adjustable Brace B57	7
22-796356	LongShore Extension 435	2
22-796360	LongShore Strut 610	4
22-796376	LongShore Extension 635	2
22-796469	Raker Rail Splice	2
22-796475	Raker Angle Base	2
22-796656	Rail 4 Latch Holder	1

## US&R Rescue Strut System

The US&R Rescue Strut System is one of the most complete structural collapse systems that has been standardized by the FEMA US&R teams. For any team serious about Urban Search & Rescue, this is the system to make it happen. The system includes (2) 6' Raker sets and numerous Rescue Struts and components to handle almost any disaster that the rescuers are faced with.



4 - LongShore 610 Struts 72-116 in / 183-295 cm 22-796360



4 - Load Indicator 22-796550



4 - AcmeThread Struts 56-88 in / 142-223 cm 22-796204



4 - AcmeThread Struts 37-58 in / 94-147 cm 22-796202



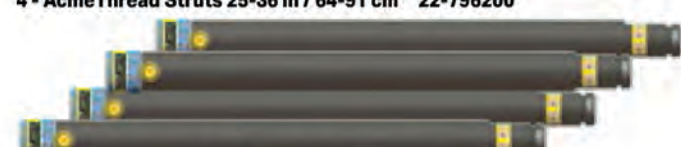
4 - Strut Extension 12 in / 30 cm 22-796012



4 - AcmeThread Struts 25-36 in / 64-91 cm 22-796200



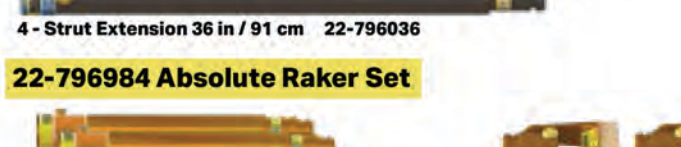
4 - AcmeThread Struts 12-15 in / 31-38 cm 22-796212



4 - Strut Extension 36 in / 91 cm 22-796036



4 - AcmeThread Struts 19-25 in / 48-64 cm 22-796206



4 - Strut Extension 24 in / 61 cm 22-796024

### 22-796984 Absolute Raker Set



7 - LongShore Extension 235 24 in / 61 cm 22-796342



2 - Raker Junction Base 22-796290



2 - Raker Angle Base 22-796475



2 - Raker Rail Junction 22-796280



4 - LongShore Strut 610 72-116 in / 183-295 cm 22-796360



1 - Latch Holder 22-796689



4 - Raker Rail Latch 22-796250



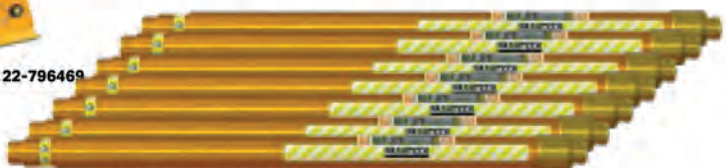
2 - LongShore Extension 435 48 in / 122 cm 22-796356



2 - Raker Rail Splice 22-796469



2 - LongShore Extension 635 67 in / 170 cm 22-796376



7 - LongShore Adjustable Brace B57 60-85 in / 152-216 cm 22-796350



4 - Raker Rail 6 72 in / 183 cm 22-796258C

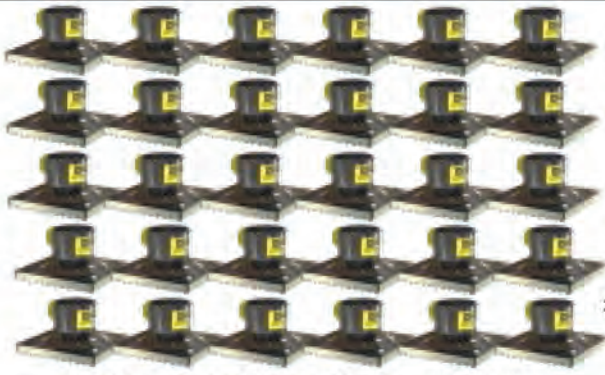


12 - Clamp and Clevis 22-796310



2 - Hinged Base Plate 12 in / 30.5 cm 22-796180C

# Rescue Support Systems



30 - Square Swivel Base 6 in / 15.2 cm 22-796060



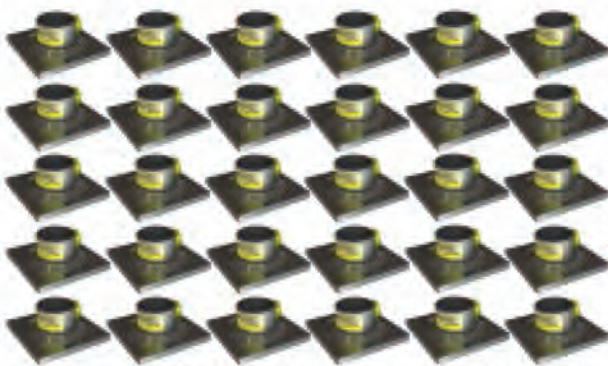
2 - Strut Regulator G3  
5,500-0 psi  
379.2-0 bar  
22-895400G3

System Part No.	Net Weight: lb	kg
22-796900 US	1713.6	
22-796900M Metric		777.3

Part No.	Description	Quantity
22-796212	AcmeThread Strut 12-15 in / 31-38 cm	4
22-796206	AcmeThread Strut 19-25 in / 48-64 cm	4
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	4
22-796202	AcmeThread Strut 37-58 in / 94-147 cm	4
22-796204	AcmeThread Strut 56-88 in / 142-224 cm	4
22-796360	LongShore Strut 610, 72-116 in / 183-295 cm	4
22-796012	Strut Extension 12 in / 30 cm	4
22-796024	Strut Extension 24 in / 61 cm	4
22-796036	Strut Extension 36 in / 91 cm	4
22-796060	Square Swivel Base 6 in / 15.2 cm	30
22-796070	Square Rigid Base 6 in / 15.2 cm	30
22-796103G3	Dual Deadman Strut Controller G3 250 psi / 17.2 bar	2
22-895400G3	Strut Regulator G3 CGA / Din 2 5,500-0 psi / 379.2-0 bar	2
22-796550	Load Indicator 20,000 lbs.	4
22-890520	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Yellow	2
22-890521	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Red	2
22-890522	Air Hose 3/8 in / 9.5 mm dia. x 32 ft / 10 m Black	2
22-796430	Shoring Hammer	8

**22-796984 Absolute Raker Set (qty. 2 kits below) 2**

22-796180C	Hinged Base 12 w/ Anchor Ring	4
22-796250	Raker Rail Latch	8
22-796258C	Raker Rail 6	8
22-796280	Raker Rail Junction	4
22-796290	Raker Junction Base	4
22-796330	Clamp and Clevis	24
22-796342	LongShore Extension 235	14
22-796350	LongShore Adjustable Brace B57	14
22-796356	LongShore Extension 435	4
22-796360	LongShore Strut 610	8
22-796376	LongShore Extension 635	4
22-796469	Raker Rail Splice	4
22-796475	Raker Angle Base	4
22-796656	Rail 4 Latch Holder	2



30 - Square Rigid Base 6 in / 15.2 cm 22-796070



2 - Dual Deadman  
Strut Controller G3  
250 psi / 17.2 bar  
22-796103G3



2 - Air Hose  
3/8 in / 9.5 mm dia.  
x 32 ft / 10m Yellow  
22-890520



2 - Air Hose  
3/8 in / 9.5 mm dia.  
x 32 ft / 10 m Red  
22-890521



2 - Air Hose  
3/8 in / 9.5 mm dia.  
x 32 ft / 10 m Black  
22-890522



8 - Shoring Hammer  
22-796430

## 22-796984 Absolute Raker Set



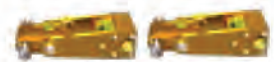
7 - LongShore Extension 235 24 in / 61 cm 22-796342



2 - Raker Junction Base  
22-796290



2 - Raker Angle Base  
22-796475



2 - Raker Rail Junction  
22-796280



4 - LongShore Strut 610 72-116 in / 183-295 cm 22-796360



1 - Latch Holder  
22-796689



4 - Raker Rail Latch 22-796250



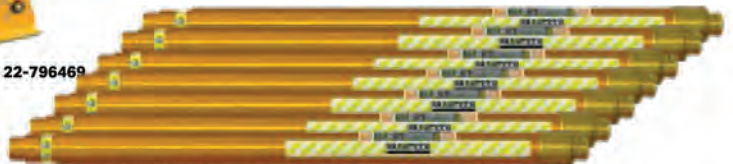
2 - LongShore Extension 435 48 in / 122 cm 22-796356



2 - Raker Rail Splice 22-796469



2 - LongShore Extension 635 67 in / 170 cm 22-796376



7 - LongShore Adjustable Brace B57 60-85 in / 152-216 cm 22-796350



4 - Raker Rail 6 72 in / 183 cm 22-796258C



12 - Clamp and Clevis 22-796310



2 - Hinged Base Plate 12 in / 30.5 cm  
22-796180C

# Vehicle Stabilization Kits

## Vehicle Stabilization Kit

Paratech Vehicle Stabilization Kits have the strength and flexibility to handle any size vehicle anytime, anywhere. This includes sub compact cars, buses, cement trucks and even train locomotives. Additionally, these components provide the extra value of being completely interchangeable with your other Paratech equipment for building collapse and trench rescue scenarios. They are strong, sturdy and reliable. Paratech systems are the easiest to use and the strongest VSKs on the market today.

### VSK Comparison

	Supporter	Standard	Highway	Interstate
Max Load	10,000lb / 4,536kg	40,000lb / 18,143kg	80,000lb / 36,287kg	120,000lb / 54,431 kg
# of AcmeThread Struts	0	2	4	0
# of LongShore Struts	0	0	0	6
# of Extensions	1	4	6	6
# of Bases	1	4	8	18
# of Ratchet Belts	1 (Attached)	4	4	6

With the highest industry safety standard, Paratech's VSK can hold 10,000lb / 4,536kg up to 120,000lb / 54,431kg. Paratech vehicle stabilization kits have the strength & flexibility to handle any size vehicle anytime, anywhere.



Comes with  
Coupling Plug



### VSK V2 Controller

Safely use compressed air to extend struts! This innovative controller is capable of extending the heaviest combination of struts and extensions with a simple on / off control. Its low 29 PSI / 2Bar pressure reduction and unique automatic vent relief feature, eliminates the fear of over pressurizing in the event of a load shift, ensuring a secure and steady strut extension. Ideal for safely chasing stabilization struts while performing a lift.

**NOW WITH TWO AIR OUTLETS!**

**Net Weight: 2.4 lbs 1.0 kg**

**Part No. 22-796V02**

### Coupling Plug

**Coupling Plug**

Use to plug an open coupling.  
Part Number 22-890715

**Plug Tether**

Tether the coupling plug to your controller.  
Part N. 22-890717



## Supporter X2- All-In-One Vehicle Stabilizer

**The 'ALL IN ONE' Vehicle Stabilizer!  
Stronger, Faster, Safer!**

When you need to stabilize a vehicle accident scene quickly, there is nothing faster or stronger. With the TwistLock Collar all you need to do is **TWIST, EXTEND, LOCK** and the SUPPORTER can stabilize 10,000 lb / 4,536 kg with a 2:1 safety factor at ANY height.

**Maximum load up to 10,000 lb / 4,536 kg  
with a 2:1 safety factor**

- Easy Extra Extension Ability
- Weight: 35.0 lb / 15.9 kg
- Collapsed, Base on Ground  
40 in / 101.6 cm
- Extended, Base on Ground  
65.4 in / 166.1 cm
- Extended with Extension  
95.4 in / 242.3 cm

Kit Part No.	Net Weight: lb	kg
<b>22-797E12E SUPPORTER X2</b>	35.0	15.9

**Quick Super  
Extension to  
95.4 in / 242.3 cm**

**Spike Base  
Positive Grip  
Shackle Hole  
Angle Indicator  
Replaceable Spikes  
Integrated V &  
Cone Base**



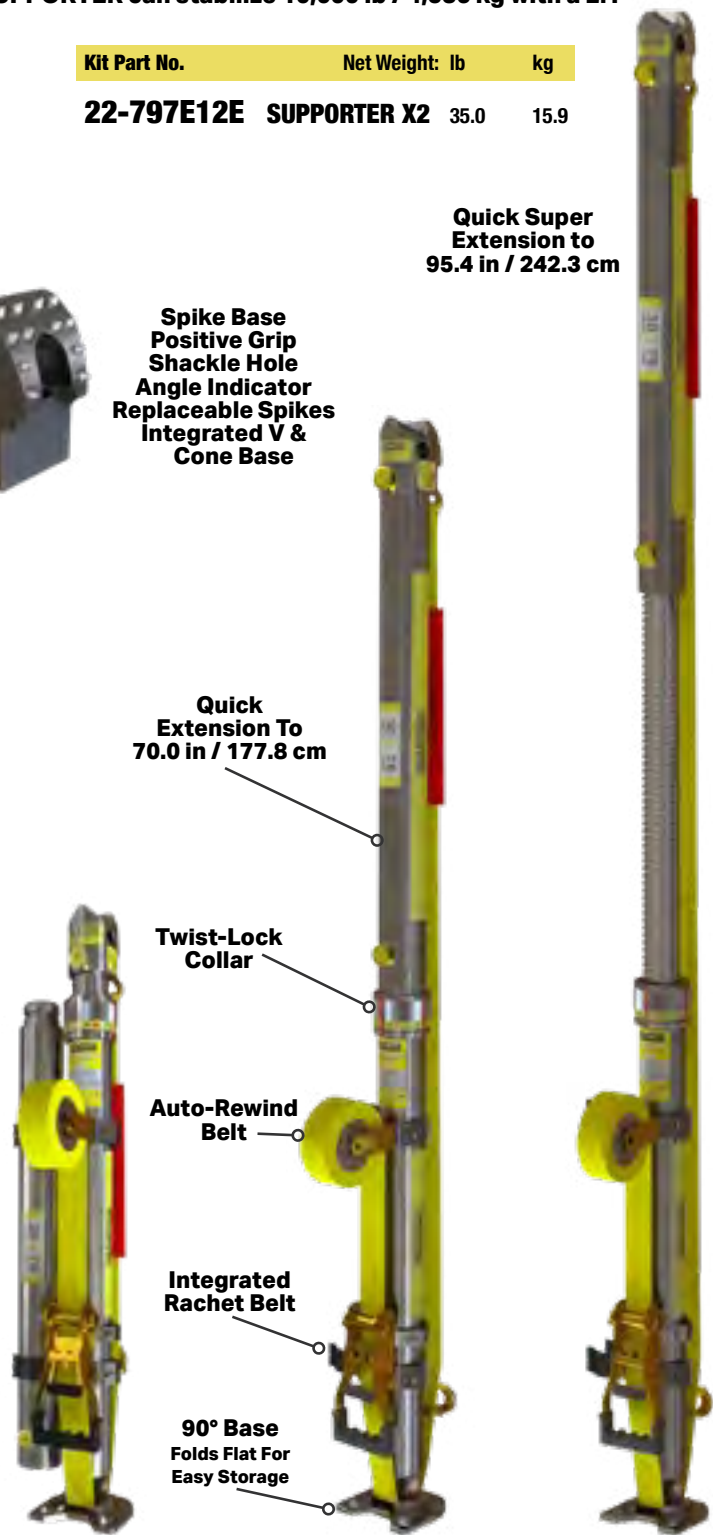
**Quick  
Extension To  
70.0 in / 177.8 cm**

**Twist-Lock  
Collar**

**Auto-Rewind  
Belt**

**Integrated  
Ratchet Belt**

**90° Base  
Folds Flat For  
Easy Storage**



# Vehicle Stabilization Kits

## VSK Base Kits

Bases integrated with ratchet belt and anchor ring, ready for rapid deployment, making vehicle stabilization quicker & easier.

**VSK Base 6 Kit** Part No. Net Weight: lb kg

**22-796303** 25.9 11.7

Part No.	Description	Quantity
22-796331	VSK Base 6	1
22-797042E	Adjustable Carrying Handle	1
22-796161	Tie-Down Keys w/J Hook	1

### Product Features:

- Fast and Easy to Deploy
- Available with Small or Large Size Base Foot
- Integrated Anchor Ring for Multiple Ratchet Belt Usage
- Built in Ratchet Keeps Hot Zone Free Of Tripping Hazard from Unused Belt
- Compatible with All Of Paratech's Acmethread and Lockstroke Rescue Support System Components

**VSK Base 12 Kit** Part No. Net Weight: lb kg

**22-796309** 30.9 14.0

Part No.	Description	Quantity
22-796308	VSK Base 12	1
22-797042E	Adjustable Carrying Handle	1
22-796161	Tie-Down Keys w/J Hook	1



1 - Adjustable Carrying Handle  
22-797042E

1 - Tie Down Keys with J Hook  
22-796161

1 - Adjustable Carrying Handle  
22-797042E

1 - Tie Down Keys with J Hook  
22-796161

**Load Capacity of  
20,000 Lbs. / 9,071.8 Kg  
with a 4:1 Safety Factor.**

## Standard VSK

Paratech's flagship kit and the "standard" when addressing your stabilization needs. This kit covers everything from small vehicles to large commercial/municipal vehicles.

**Maximum load up to 40,000 lb / 18,144 kg  
with a 4:1 safety factor**

**Kit Part No.** Net Weight: lb kg

**22-796850** 97.3 44.2

Part No.	Description	Quantity
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	2
22-796012	Strut Extension 12 in / 30 cm	2
22-796024	Strut Extension 24 in / 61 cm	2
22-796025	Multi-Base	2
22-796180C	Hinged Base w/Anchor Ring 12 in / 30 cm	2
22-890553	Ratchet Belt w/Finger Hook 27 ft / 8.2 m	4
22-796161	Tie Down Keys w/J Hook	2



2 - Strut Extensions 12 in / 30 cm 22-796012

2 - Strut Extension 24 in / 61 cm 22-796024

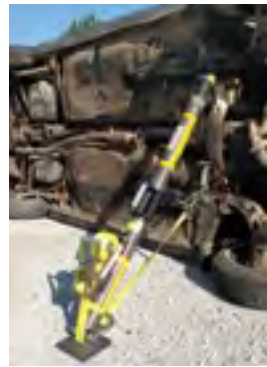
2 - AcmeThread Struts 25-36 in / 64-91 cm 22-796200

4 - Ratchet Belt with Finger Hook 27 ft / 8.2 m  
22-890553

2 - Tie Down Keys with J Hook  
22-796161

2 -Hinged Base with Anchor Ring 12 in / 30 cm  
22-796180C

2 - Multi-Base  
22-796025





## Heavy Vehicle Extrication Kit

The most comprehensive heavy lifting kit available, utilizing the strength of HydraFusion Struts, lifting height and power of the MULTIFORCE in the Rapid Extrication Kit, as well as the environmentally friendly sturdiness of recycled plastic cribbing PLUS much more. With this Kit you can lift and stabilize any SIZE vehicle on the road. All packed up in 4 convenient, mobile carrying cases.

22-88HVEK Heavy Vehicle Extrication Kit  
 22-88HVEKD Heavy Vehicle Extrication Kit DIN  
 Weight 1,259.1 lbs/ 571.1 kg

Part No.	Description	Quantity
22-79HA10K	HydraFusion 10 Kit	2
22-796035	Extension Converter	2
22-796180C	Hinged Base Plate w/ Anchor Ring 12 in / 30 cm	6
22-88DREK	Rapid Extrication Kit	1
22-796720	LongShore Strut 304 36-50 in / 91-127 cm	2
22-796730	LongShore Strut 406 48-73 in / 122-185 cm	2
22-796360	LongShore Strut 610 72-116 in / 183-295 cm	2
22-796342	LongShore 235 Extension 24 in / 61 cm	2
22-796356	LongShore 435 Extension 48 in / 122 cm	2
22-796376	LongShore 635 Extension 67 in / 170 cm	2
22-000680	SPF Hooligan	1
22-796090	V Base	4
22-796270	Contour Base	4
22-796025	Multi-Base	4
22-890015	Non Slip Neoprene Pad	2
22-796P14	Double Headed Picket 40 in / 106cm	4
22-796C1H	Chain 20 ft / 6.1 m x 3/8 in, grade 100	2
22-890553	Ratchet Belt w/Finger Hook 27 ft / 8.2 m	6
22-796161	Tie Down Keys w/J Hook	4
22-796979	Chain Binder	2
22-88C00K	Cribbing Kit	1
22-796V02	VSK Controller	1



- Stabilize Everything from Small Vehicles, Large Commercial/ Municipal Vehicles, and Fully Loaded Tractor Trailers to Trains
- Ease of Use: No Pins, No Cables
- Extremely Safe and Secure: Paratech Struts Always Default to Locked Position
- Includes 4 Carrying Cases For Convenient Storage of Smaller Parts, Providing a Fast And Organized Way To Bring Everything You Need To The Scene
- Custom cut outs in cases to securely hold equipment in place
- Consistency and Organized Placement Of Components After Use
- Cases are Labeled with Contents



## Rapid Extrication Kit

Combining the speed of Paratech's MULTIFORCE Air Lifting Bag with the flexibility of our Standard VSK, the Rapid Extrication Kit gets vehicles lifted and stabilized quicker than any other.

22-88DREK Rapid Extrication Kit  
 22-88DREDK Rapid Extrication Kit DIN  
 Weight 190.2 lb / 86.3 kg

Part No.	Description	Quantity
22-88D025K	Remote Placement MULTIFORCE Bag Kit	1
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	2
22-796012	Strut Extension 12 in / 30 cm	2
22-796024	Strut Extension 24 in / 61 cm	2
22-796025	Multi-Base	2
22-796180C	Hinged Base 12 w/Anchor Ring	2
22-890553	Ratchet Belt 27' WLL 3300 lbs	4
22-796161	Tie Down Keys w/J Hook	2



# Vehicle Stabilization Kits

## Highway VSK

Doubling the capacity of the Standard VSK, this kit is designed for multiple vehicles, longer reach and heavier weights such as a fully loaded tractor trailer.

Maximum load up to 80,000 lb / 36,287 kg with a 4:1 safety factor

  
2 - Strut Extensions 12 in / 30 cm 22-796012

  
2 - Strut Extensions 24 in / 61 cm 22-796024

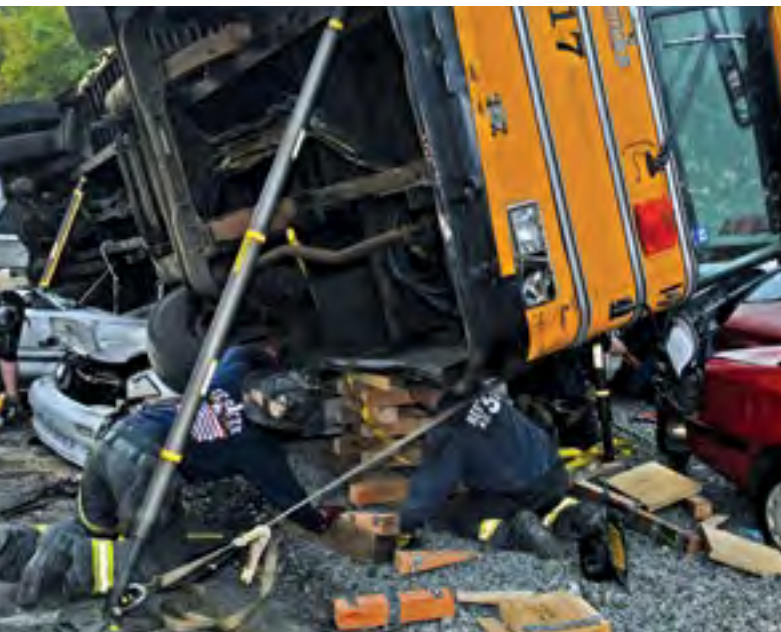
  
2 - Strut Extensions 36 in / 91 cm 22-796036

  
2 - AcmeThread Struts 25-36 in / 64-91 cm 22-796200

  
2 - AcmeThread Struts 37-58 in / 94-147 cm 22-796202

Kit Part No.	Net Weight: lb	kg
22-796852	167.5	76.0

Part No.	Description	Quantity
22-796200	AcmeThread Strut 25-36 in / 64-91 cm	2
22-796202	AcmeThread Strut 37-58 in / 94-147 cm	2
22-796012	Strut Extension 12 in / 30 cm	2
22-796024	Strut Extension 24 in / 61 cm	2
22-796036	Strut Extension 36 in / 91 cm	2
22-796025	Multi-Base	4
22-796180C	Hinged Base w/Anchor Ring 12 in / 30 cm	4
22-890553	Ratchet Belt w/Finger Hook 27 ft / 8.2 m	4
22-796161	Tie Down Keys w/J Hook	4



## Interstate/Motorway VSK

The ultimate vehicle stabilization kit. There is no vehicle on the road, runway or track that this kit cannot stabilize. When your vehicular rescue needs the strongest system available, look no further.

Maximum load up to 120,000 lb / 54431 kg with a 4:1 safety factor



3 - LongShore Extension 235 24 in / 61 cm 22-796342



3 - LongShore Extension 435 48 in / 122 cm 22-796356



2 - LongShore Strut 304 36-50 in / 91-127 cm 22-796720



2 - LongShore Strut 406 48-73 in / 119-185 cm 22-796730



2 - LongShore Strut 610 72-116 in / 183-295 cm 22-796360



4 - Tie Down Keys with J Hook 22-796161



6 - Ratchet Belt with Finger Hook 27 ft / 8.2 m 22-890553



4 - Contour Base  
22-796270



4 - V Base  
22-796090



4 - Multi-Base  
22-796025

Kit Part No.	Net Weight: lb	kg
22-796855	438.2	198.0

Part No.	Description	Quantity
22-796720	LongShore Strut 304 36-50 in / 91-127 cm	2
22-796730	LongShore Strut 406 48-73 in / 122-185 cm	2
22-796360	LongShore Strut 610 72-116 in / 183-295 cm	2
22-796342	LongShore 235 Extension 24 in / 61 cm	3
22-796356	LongShore 435 Extension 48 in / 122 cm	3
22-796090	V Base	4
22-796270	Contour Base	4
22-796025	Multi-Base	4
22-796180C	Hinged Base Plate w/ Anchor Ring 12 in / 30 cm	6
22-796C1H	Chain 20 ft / 6.1 m x 3/8 in, grade 100	2
22-890553	Ratchet Belt w/Finger Hook 27 ft / 8.2 m	6
22-796161	Tie Down Keys w/J Hook	4
22-890015	Non Slip Neoprene Pad	2



6 - Hinged Base with Anchor Ring 12 in / 30 cm 22-796180C



2 - Non Slip Neoprene Pad  
22-890015



2 - Chain 20 ft / 6.1 m x 3/8 in, grade 100 22-796C1H



# MultiForce Air Lifting Bags

## MULTIFORCE AIR LIFTING BAG HIGHER. SAFER. FASTER. STRONGER.

Paratech's MULTIFORCE Air Lifting Bag takes lifting to a whole new level. Integrating the latest technology with a unique understanding of lifting, Paratech has designed the MULTIFORCE Air Lifting Bag to exceed expectations. Ease of use and speed of deployment make the MULTIFORCE Air Lifting Bag an obvious choice whether the goal is saving lives or lifting locomotives. Paratech's patent pending design ensures that the high lift of this system can get into the tightest places possible, while the innovative remote lifting base keeps personnel safely away from the load when positioning the MULTIFORCE Air Lifting Bag. A dual stage feature keeps the load steady as the bag inflates so load drift is minimized and safety relief valves are integrated into the bag itself making over-inflation completely impossible. No mechanical coupling between air chambers means a stronger and safer lift. The remote lifting base doubles as a storage device keeping the bag safe and making it extremely easy to store.



**HEAVY-DUTY RUBBER GRIPPING SURFACE**

**BUILT-IN INTERNAL RELIEF VALVE**

**DUAL STAGE LIFTING FEATURE KEEPS THE LOAD STABLE THROUGH THE LIFT**

**INTEGRATED HEAVY-DUTY WHEELS FOR EASY TRAVEL**

**DETACHABLE PLACEMENT HANDLE EXTENDS TO 50 IN / 127 CM**

**LIFT HEIGHT OF 26 IN / 66 CM**

**HIGH VISIBILITY CENTERING STRIPES**

**REMOTE PLACEMENT BASE ASSISTS WITH POSITIONING AND LIFTING STABILITY**

**SIDE HANDLES DESIGNED TO ACCEPT FINGER HOOKS OR LARGER**

**CONFORMS TO EN13731-2007**



<b>LIFT HEIGHT=</b>	<b>26 IN / 66 CM</b>
<b>LIFT CAPACITY=</b>	<b>31 TONS / 28.1 METRIC TONS</b>
<b>INSERTION HEIGHT=</b>	<b>4.5 IN / 11.4 CM</b>
<b>WEIGHT=(without placement device)</b>	<b>46.2 LBS / 21 KG</b>
<b>WEIGHT=(with placement device)</b>	<b>60.6 LBS / 27.5 KG</b>
<b>LENGTH=(without placement device)</b>	<b>23.75 IN / 60.33 CM</b>
<b>LENGTH=(with placement device)</b>	<b>30.71 in / 78 CM</b>
<b>WIDTH=(without placement device)</b>	<b>23.5 IN / 59.7 CM</b>
<b>WIDTH=(with placement device)</b>	<b>27.98 IN / 71.10 CM</b>
<b>SAFETY FACTOR=(with placement device)</b>	<b>4 TO 1</b>
<b>WORKING PRESSURE=</b>	<b>150 PSI / 10.3 BAR</b>

Part No.	Description	Net Weight	lb	kg
22-88D025	Remote Placement MULTIFORCE	60.6	27.5	
22-88D025K	Remote Placement MULTIFORCE Bag Kit	75.44	32.22	
22-88D025DK	Remote Placement MULTIFORCE Bag Kit Din	75.44	32.22	
22-88D025B	Basic MULTIFORCE	54.17	24.57	
22-88D025BK	Basic MULTIFORCE Bag Kit	69.01	31.30	
22-88D025BDK	Basic MULTIFORCE Bag Kit Din	69.01	31.30	
22-88D025C	Compact MULTIFORCE	51.60	23.41	
22-88D025CK	Compact MULTIFORCE Bag Kit	66.44	30.14	
22-88D025CDK	Compact MULTIFORCE Bag Kit Din	66.44	30.14	
22-890370K	Saddlebag Control Kit	14.84	6.73	
22-890370DK	Saddlebag Control Kit Din	14.84	6.73	
22-890370	Saddlebag Only	1.73	.78	

## 3 Kits to Fit Your Lifting Needs



### Remote Placement MultiForce

The ultimate MULTIFORCE Bag. Comes with wheels for easy transport and telescoping pole for remote placement. There is nothing quicker or safer for lifting.

- 22-88D025      **REMOTE PLACEMENT MULTIFORCE**
- 22-88D025K      **REMOTE PLACEMENT MULTIFORCE BAG KIT** (with saddlebag control kit)
- 22-88D025DK      **REMOTE PLACEMENT MULTIFORCE BAG KIT DIN** (with saddlebag control kit)



### Basic MultiForce

Comes with a Full sized Placement Base with left and right handles, but without telescoping pole and wheels. Includes carrying strap with integrated air inlet protecting feature. Order this version if the safety of remote placement is not an option you need.

- 22-88D025B      **BASIC MULTIFORCE BAG**
- 22-88D025BK      **BASIC MULTIFORCE BAG KIT** (with saddlebag control kit)
- 22-88D025BDK      **BASIC MULTIFORCE BAG KIT DIN** (with saddlebag control kit)



### Compact MultiForce

Comes with a reduced footprint for easier compartment storage on vehicles. Includes carrying strap with integrated air inlet protecting feature.

- 22-88D025C      **COMPACT MULTIFORCE**
- 22-88D025CK      **COMPACT MULTIFORCE BAG KIT** (with saddlebag control kit)
- 22-88D025CDK      **COMPACT MULTIFORCE BAG KIT DIN** (with saddlebag control kit)



### MultiForce Positioning Lights

Includes two lights: one for replacing the left handle and one for the right handle. Direct retrofit. Each 300 lumen light operates off of 2 AA batteries with a "low battery" light indicator. Up to 2 hours of continued use. Made of aircraft grade aluminum and still completely functional as lifting handles. Each light can swivel to direct the light where you want it. Light It Up!

- 22-892150K      **MULTIFORCE Positioning Lights**

	COMPACT	BASIC	REMOTE
LIFT HEIGHT=	26 IN / 66 CM		
LIFT CAPACITY=	31 TONS / 28.1 METRIC TONS		
INSERTION HEIGHT=	4.5 IN / 11.4 CM		
STORAGE HEIGHT=	4.88 IN / 12.39 CM	4.88 IN / 12.39 CM	6 IN / 15.3 CM
WEIGHT=(without placement device)	46.2 LBS / 21 KG		
WEIGHT=(with placement device)	51.6 LBS / 23.41 KG	54.17 LBS / 24.57 KG	60.6 LBS / 27.5 KG
LENGTH=(without placement device)	23.75 IN / 60.33 CM		
LENGTH=(with placement device)	24.46 IN / 62.13 CM	28.81 IN / 73.18 CM	30.71 IN / 78 CM
WIDTH=(without placement device)	23.5 IN / 59.7 CM		
WIDTH=(with placement device)	23.63 IN / 60.02 CM	27.98 IN / 71.07 CM	27.98 IN / 71.1 CM

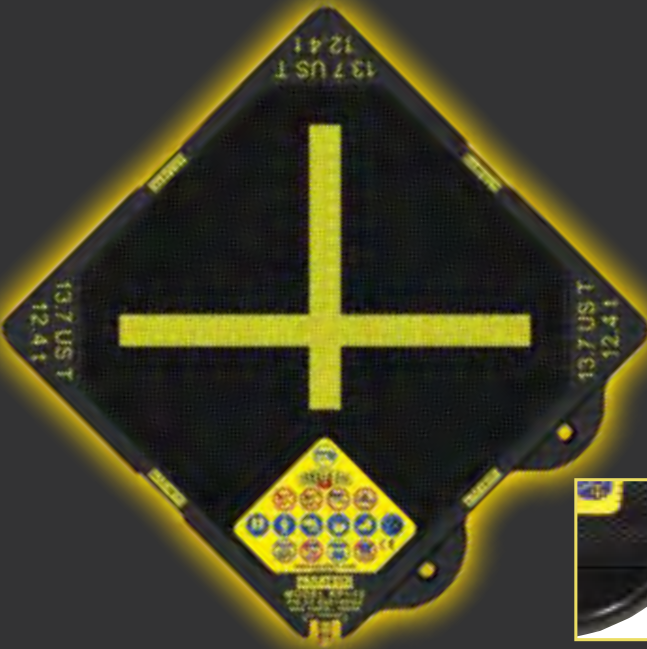
# MaxiForce Air Lifting Bags



**AIR LIFTING BAGS**

## MaxiForce® Has the Power To Lift or Shift Weights up to 89 tons

The MAXIFORCE® AIR LIFTING BAG is a thin, strong, molded envelope available in 14 different sizes. It is made from 3 layers of Neoprene covered Aramid fiber reinforcement and has the power to lift, move or shift weights up to 89 tons (80.9 metric tons) per bag. Control equipment and components play a critical role in successful lifting bag use and unlike other lifting bag systems, Paratech manufactures all of its major control components. This assures the quality of the lifting bag system from inflation to deflation.



Easy and Accurate Positioning



Recessed Air Inlet for Added Durability



High Visibility Markings

**Completely Compatible with All Older MaxiForce® Air Lifting Bags and Control Equipment**



<b>SIZES</b>	<b>14</b>
<b>SQUARE SIZES</b>	<b>9</b>
<b>RECTANGULAR SIZES</b>	<b>5</b>
<b>SIZES WITH EYELETS</b>	<b>10</b>
<b>SMALLEST LIFTING CAPACITY</b>	<b>1.5 TONS / 1.3 METRIC TON</b>
<b>LARGEST LIFTING CAPACITY</b>	<b>89.2 TONS / 80.9 METRIC TONS</b>
<b>WORKING PRESSURE</b>	<b>150 PSI / 10.3 BAR</b>
<b>3 LAYERS OF ARAMID REINFORCEMENT</b>	<b>ALL</b>
<b>INTERLOCKING SURFACE</b>	<b>ALL</b>

## What to Look for When Selecting a Lift Bag System

- 1. SAFETY:** MAXIFORCE® Air Lifting Bags are extremely tough, made of Neoprene, embedded with three (3) full layers of Aramid fiber reinforcement on each side, giving the bags tremendous strength at full inflation. Each Air Lifting Bag has been subjected to a stringent factory pressure test to assure maximum operator safety.
- 2. CAPACITY:** Does the height/weight capacity match the task? Non-emergency applications may only require one or two sizes. Emergency Service providers need a variety of lifting capacities.
- 3. SHAPE:** Match the shape of the bag to the contact area of the load to maximize your effectiveness. Use rectangular shaped bags against linear loads and when lifting on hills or inclines. Square bags are great for stacking on flat surfaces. Rescue crews should have both square and rectangular lifting bags.
- 4. THICKNESS:** The thinner the Lift Bag the better. The most notable feature of quality manufacturing is the ability to produce a thin, tough lifting bag. MAXIFORCE Air Lifting Bags range in thickness from 3/4 in(1.9 cm) to 1 in(2.5 cm).
- 5. MATERIAL:** Neoprene with Aramid reinforcement comprise most of the lift bag materials. These materials provide strength, durability, flexibility and chemical resistance. MAXIFORCE was the first Aramid reinforced high pressure Lift Bag.
- 6. SURFACE:** Small molded raised bumps provide an interlocking surface for stacking 2 lift bags. Once again MAXIFORCE was the first with an interlocking surface.
- 7. POSITIONING EYELETS:** At least 2 on all Lift Bags with a 12.9 ton rating or higher. A must for rescue work. Allows for vertical placement, safe retrieval and carrying.
- 8. MARKINGS:** Technical data is molded into the bag surface. Warnings are permanently labeled. The famous "X" marks the center of the load.
- 9. AIR INLET:** Brass with maximum pull strength. The inlet is threaded to receive a brass inflation nipple. Why brass? No corrosion. Easy to repair.
- 10. WORKS QUIETLY:** Completely silent in use. There are no engine sounds or loud mechanical noises when MAXIFORCE is used.

**Completely Compatible with All Older MaxiForce® Air Lifting Bags and Control Equipment**

## Man & Machine Kit

Paratech's man & machine kit covers areas of production, maintenance and rescue. The air lifting bags and control equipment (all contained in one convenient package) included in the kit are so versatile and easy to use that you will wonder what you did before you had them!

**22-8903MM**  
**22-8903MMD**

**Man and Machine Kit**  
**Man and Machine Kit, DIN**  
Weight 63.2 lbs./ 28.7 kg

### Kit Contents:

- Full compliment of control equipment, hoses & fittings
- 2 small rectangular bags 6 x 12 in/15.2cm x 30.5cm
- 2 larger square bags
- 10 x 10in/25.4cm x 25.4cm
- 2 small square bags
- 6 x 6in/15.2cm x 15.2cm
- Heavy duty rolling storage case
- 4 plastic felling wedges



## Dual Deadman 150PSI/10.3BAR Controllers

This controller will 'go anywhere'. It is compact and extremely portable. Rescue personnel can crawl into collapse areas without hindrance. There are no protruding joysticks or cumbersome enclosures. The push-button design must be depressed for inflation or deflation. Color coded gauges make it easy to read. Relief valves and open couplings are built in the controller for maximum safety.



## Complete Redesign

- Integrated Gauge Light
- Easier Operation
- Safety Couplings
- Fully Enclosed Gauges



## Standards and Listings:

- National Coal Board (UK)
- NATO Stock Listings
- National Defense Supply Listing (US)
- Department of Industrial Relations (AU)
- Board of Mine Safety (SA)
- Japan Standards Institute (JA)
- GSA Contract Item (US)
- EN 13731 Air Bags For Fire Brigades And ATEC Rescue Units (EU)

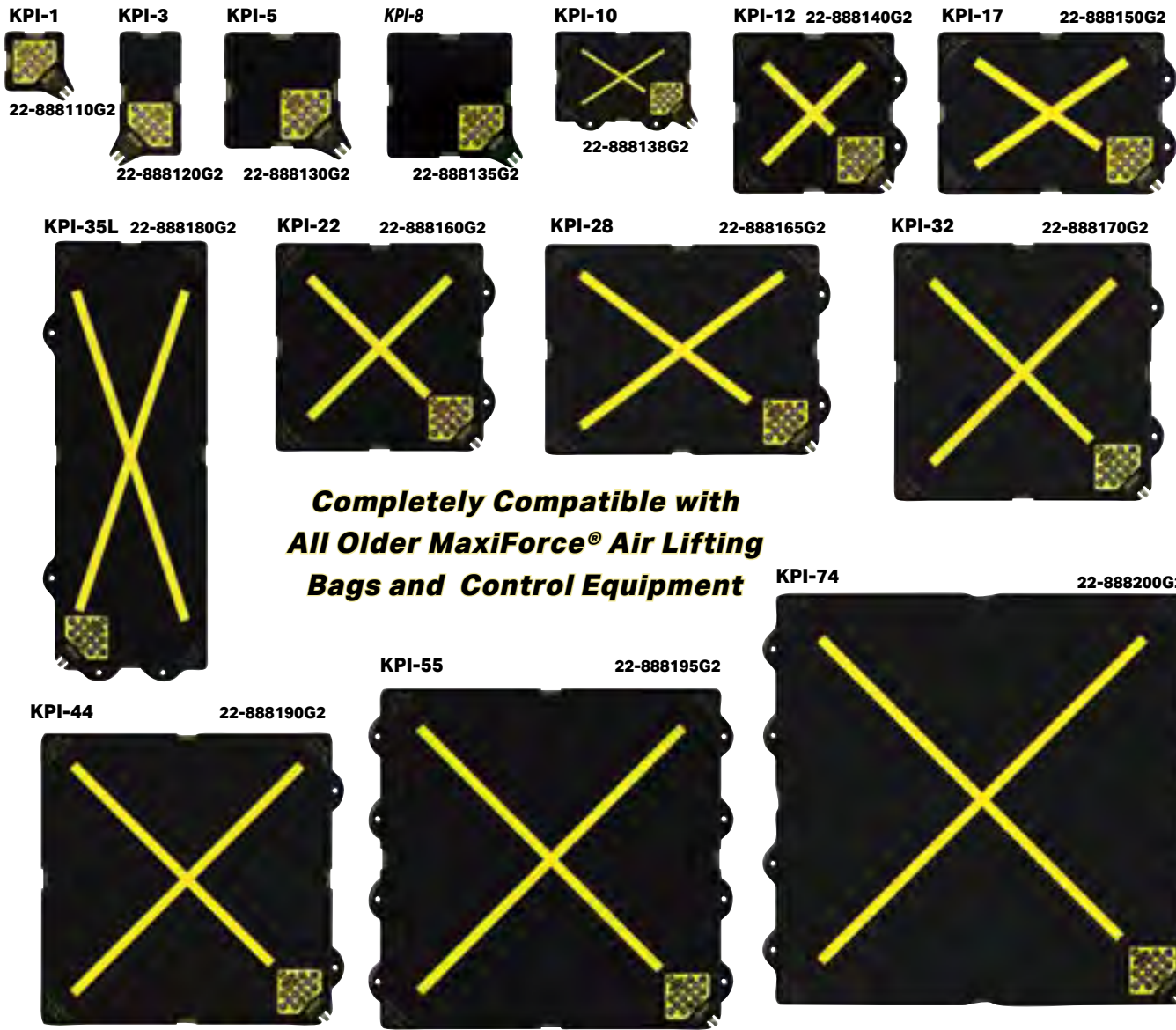


## NEW Pressure Regulator

Same Precision Functionality, Now with:

1. Increased durability
2. More compact size
3. Easier to use

# MaxiForce Air Lifting Bags



**Completely Compatible with  
All Older MaxiForce® Air Lifting  
Bags and Control Equipment**

Part No.	Model	Dimensions in	Dimensions mm	Max Lifting Capacity US Ton / Met Ton	Max Lifting Height in / mm	Weight lb / kg
22-888110G2	KPI-1	6 in x 6 in x 3/4 in	152 mm x 152 mm x 19 mm	1.5 / 1.3	3.0 / 76	1.2 / 0.6
22-888120G2	KPI-3	6 in x 12 in x 3/4 in	152 mm x 305 mm x 19 mm	3.5 / 3.2	3.5 / 89	2.3 / 1.0
22-888130G2	KPI-5	10 in x 10 in x 3/4 in	254 mm x 254 mm x 19 mm	5.4 / 4.9	5.4 / 137	3.1 / 1.4
22-888135G2	KPI-8	12 in x 12 in x 7/8 in	305 mm x 305 mm x 22 mm	8.2 / 7.5	6.4 / 163	5.5 / 2.5
22-888138G2	KPI-10	12 in x 18 in x 7/8 in	305 mm x 457 mm x 22 mm	12.9 / 11.7	7.1 / 180	8.3 / 3.7
22-888140G2	KPI-12	15 in x 15 in x 7/8 in	381 mm x 381 mm x 22 mm	13.7 / 12.4	8.1 / 206	8.8 / 4.0
22-888150G2	KPI-17	15 in x 21 in x 7/8 in	381 mm x 533 mm x 22 mm	19.0 / 17.3	9.0 / 226	12.0 / 5.4
22-888160G2	KPI-22	20 in x 20 in x 7/8 in	508 mm x 508 mm x 22 mm	25.6 / 23.2	10.8 / 274	15.9 / 7.2
22-888165G2	KPI-28	20 in x 26 in x 7/8 in	508 mm x 660 mm x 22 mm	34.0 / 30.9	11.8 / 299	20.1 / 9.1
22-888170G2	KPI-32	24 in x 24 in x 7/8 in	610 mm x 610 mm x 22 mm	38.0 / 34.4	13.0 / 330	22.0 / 10.0
22-888180G2	KPI-35L	15 in x 42 in x 7/8 in	381 mm x 1066 mm x 22 mm	39.5 / 35.8	9.5 / 241	24.5 / 11.1
22-888190G2	KPI-44	28 in x 28 in x 7/8 in	711 mm x 711 mm x 22 mm	52.7 / 47.8	15.3 / 388	30.0 / 13.6
22-888195G2	KPI-55	32 in x 32 in x 1 in	812 mm x 812 mm x 25 mm	69.7 / 63.3	17.0 / 432	45.2 / 20.5
22-888200G2	KPI-74	37 in x 37 in x 1 in	939 mm x 939 mm x 25 mm	89.2 / 80.9	20.0 / 508	58.0 / 26.3

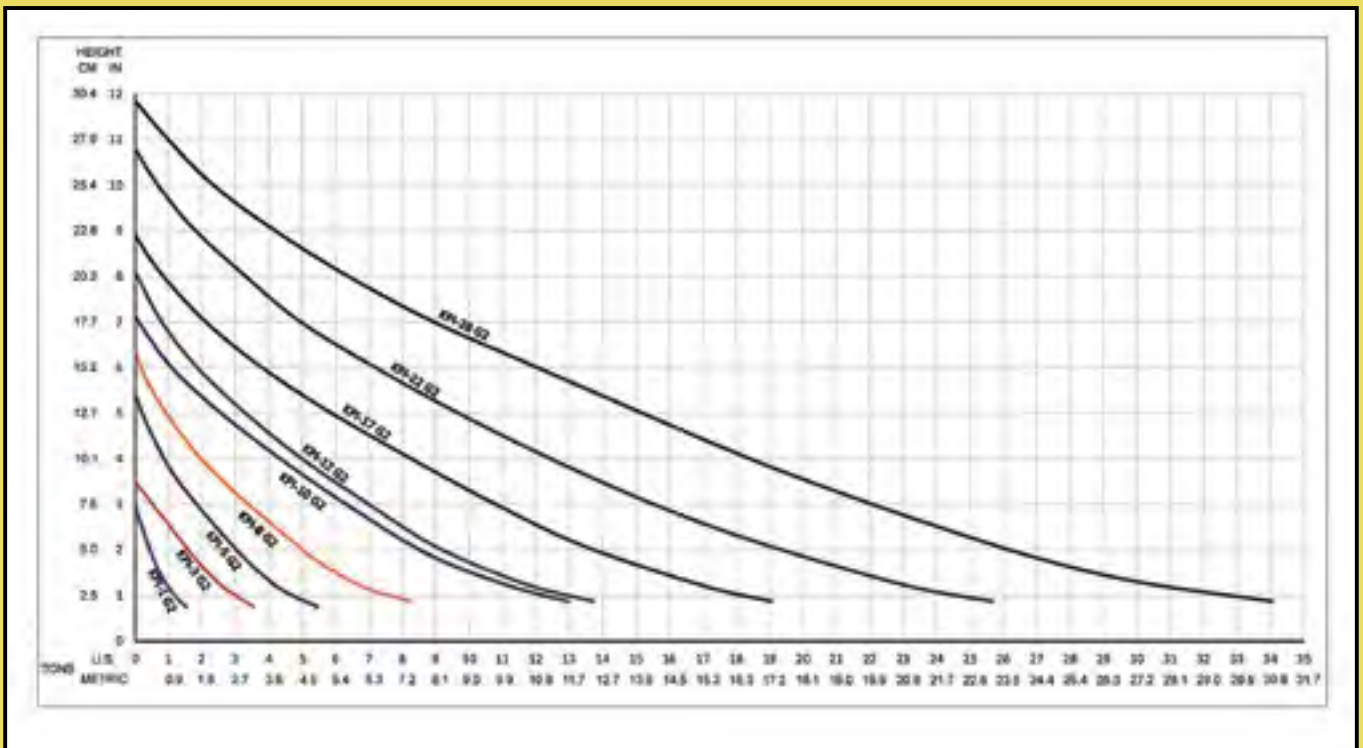
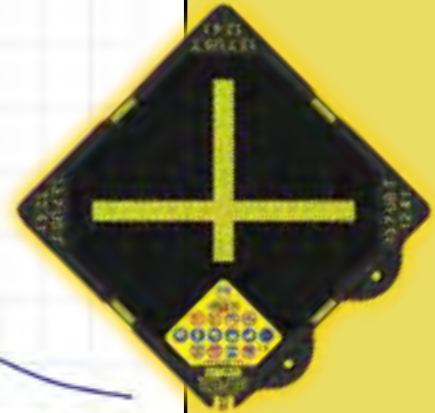
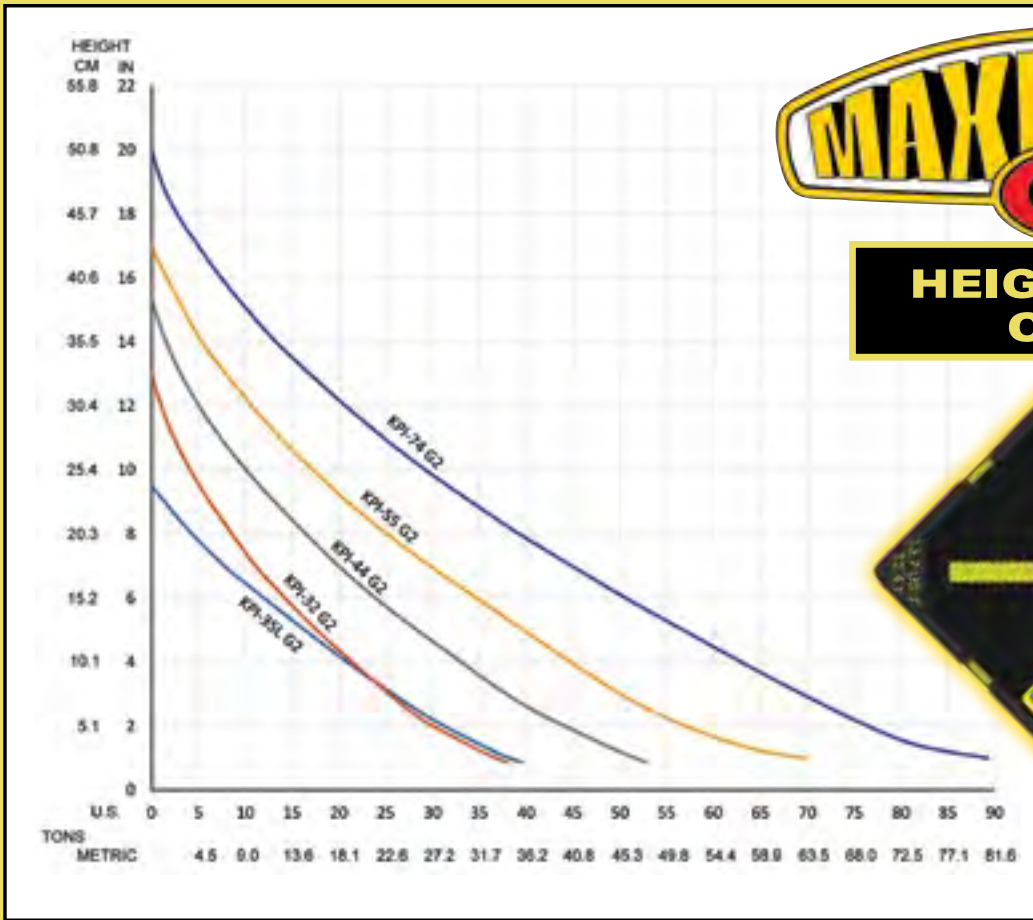
The above dimensions do not include eyelets or straps. Lifting capacity and height will vary according to air pressure and bag contact area.



# MaxiForce Air Lifting Bags



## HEIGHT VS. LOAD CAPACITY



# MaxiForce Air Lifting Bags

## Model 346 - 14 Lift Bag Set

Total Lift Capacity: 412.9 US Ton / 374.6 Metric Ton

Part No.	Net Weight: lb	kg
22-889346G2	262.0	118.8



**KPI-17**  
22-888150G2  
QTY: 1



**KPI-12**  
22-888140G2  
QTY: 1



**KPI-10**  
22-888138G2  
QTY: 1



**KPI-8**  
22-888135G2  
QTY: 1



**KPI-5**  
22-888130G2  
QTY: 1



**KPI-3**  
22-888120G2  
QTY: 1



**KPI-1**  
22-888110G2  
QTY: 1



**KPI-22**  
22-888160G2  
QTY: 1



**KPI-28**  
22-888165G2  
QTY: 1



**KPI-35L**  
22-888180G2  
QTY: 1



**KPI-32**  
22-888170G2  
QTY: 1



**KPI-44**  
22-888190G2  
QTY: 1



**KPI-55**  
22-888195G2  
QTY: 1



**KPI-74**  
22-888200G2  
QTY: 1



## Model 136 - 11 Lift Bag Set

Total Lift Capacity: 242 US Ton / 220 Metric Ton

Part No.	Net Weight: lb	kg
22-889136G2	147.5	66.9



**KPI-1**  
22-888110G2  
QTY: 1



**KPI-3**  
22-888120G2  
QTY: 1



**KPI-5**  
22-888130G2  
QTY: 1



**KPI-12**  
22-888140G2  
QTY: 1



**KPI-17**  
22-888150G2  
QTY: 2



**KPI-22**  
22-888160G2  
QTY: 2



**KPI-32**  
22-888170G2  
QTY: 2



**KPI-44**  
22-888190G2  
QTY: 1

## Model 245 - 10 Lift Bag Set

Total Lift Capacity: 288.1 US Ton / 261.2 Metric Ton

Part No.	Net Weight: lb	kg
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22-889245G2	182.0	82.6
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**KPI-17**  
22-888150G2  
QTY: 1



**KPI-12**  
22-888140G2  
QTY: 1



**KPI-5**  
22-888130G2  
QTY: 1



**KPI-3**  
22-888120G2  
QTY: 1



**KPI-1**  
22-888110G2  
QTY: 1



**KPI-22**  
22-888160G2  
QTY: 1



**KPI-35L**  
22-888180G2  
QTY: 1



**KPI-32**  
22-888170G2  
QTY: 1



**KPI-44**  
22-888190G2  
QTY: 1



**KPI-74**  
22-888200G2  
QTY: 1



## Model 92 - 9 Lift Bag Set

Total Lift Capacity: 151.3 US Ton / 137.2 Metric Ton

Part No.	Net Weight: lb	kg
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22-889092G2	95.5	43.3
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**KPI-1**  
22-888110G2  
QTY: 1



**KPI-3**  
22-888120G2  
QTY: 1



**KPI-5**  
22-888130G2  
QTY: 1



**KPI-12**  
22-888140G2  
QTY: 1



**KPI-17**  
22-888150G2  
QTY: 2



**KPI-22**  
22-888160G2  
QTY: 2



**KPI-32**  
22-888170G2  
QTY: 1

# MaxiForce Air Lifting Bags

## Model 117 - 8 Lift Bag Set

Total Lift Capacity: 218.4 US Ton / 198.1 Metric Ton



**KPI-12**  
22-888140G2  
QTY: 1

**KPI-17**  
22-888150G2  
QTY: 2

**KPI-22**  
22-888160G2  
QTY: 2

**KPI-32**  
22-888170G2  
QTY: 2

**KPI-35L**  
22-888180G2  
QTY: 1

## Model 140 - 8 Lift Bag Set

Total Lift Capacity: 285.8 US Ton / 259.2 Metric Ton



**KPI-12**  
22-888140G2  
QTY: 1

**KPI-22**  
22-888160G2  
QTY: 2

**KPI-32**  
22-888170G2  
QTY: 2

**KPI-35L**  
22-888180G2  
QTY: 1

**KPI-44**  
22-888190G2  
QTY: 2

## Model 48 - 3 Lift Bag Set

Total Lift Capacity: 91.0 US Ton / 82.5 Metric Ton



**KPI-17**  
22-888150G2  
QTY: 1

**KPI-28**  
22-888165G2  
QTY: 1

**KPI-32**  
22-888170G2  
QTY: 1



## Model 234 - 7 Lift Bag Set

Total Lift Capacity: 277.7 US Ton / 251.4 Metric Ton



**KPI-12**  
22-888140G2  
QTY: 1



**KPI-17**  
22-888150G2  
QTY: 1



**KPI-32**  
22-888170G2  
QTY: 1



**KPI-22**  
22-888160G2  
QTY: 1



**KPI-44**  
22-888190G2  
QTY: 1



**KPI-74**  
22-888200G2  
QTY: 1



**KPI-35L**  
22-888180G2  
QTY: 1

## Model 50 - 5 Lift Bag Set

Total Lift Capacity: 102.9 US Ton / 93.3 Metric Ton



**KPI-12**  
22-888140G2  
QTY: 1



**KPI-17**  
22-888150G2  
QTY: 2



**KPI-22**  
22-888160G2  
QTY: 2



## Model 52 - 5 Lift Bag Set

Total Lift Capacity: 117.5 US Ton / 106.6 Metric Ton



**KPI-3**  
22-888120G2  
QTY: 1



**KPI-17**  
22-888150G2  
QTY: 2



**KPI-32**  
22-888170G2  
QTY: 2



# MaxiForce Air Lifting Bags

## Light US&R Lift Bag Kit

Part No.	Net Weight:	lb	kg
<b>22-889351G2-150</b>		307.0	139.0



**MASTER CONTROL KIT CASES**  
22-890322  
QTY: 2

**DUAL DEADMAN BAG CONTROLLER G3**  
22-890900G3-150  
QTY: 1



**PRESET AIR LIFTING BAG REGULATOR**  
22-895401G3  
QTY: 1

**INLINE RELIEF VALVE**  
22-890490-150  
QTY: 4



**PARATECH NIPPLE AND LOCKING TIRE CHUCK**  
22-890731  
QTY: 1



**"Y" with 2 COUPLINGS and 1 NIPPLE**  
22-890736  
QTY: 2



**SHUTOFF ADAPTER NIPPLE WITH INDUSTRIAL NIPPLE WITH VALVE**  
22-890732  
QTY: 1



**SHUTOFF ADAPTER NIPPLE WITH TWIST LOCK**  
22-890749  
QTY: 1



**AIR HOSE BLACK**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890513  
QTY: 1



**AIR HOSE BLUE**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890514  
QTY: 1



**AIR HOSE YELLOW**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890515  
QTY: 1



**AIR HOSE RED**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890516  
QTY: 1



**AIR HOSE GREEN**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890517  
QTY: 1



**PARATECH NIPPLE 1/4 IN / 0.6 CM (NPT F)**  
22-890682  
QTY: 2



**PARATECH NIPPLE FOR ALB 3/8-24 LH THD**  
22-890686  
QTY: 4



**INLINE RELIEF VALVE**  
22-890490-150  
QTY: 10



**KPI-17**  
22-888150G2  
QTY: 2



**KPI-12**  
22-888140G2  
QTY: 2



**KPI-3**  
22-888120G2  
QTY: 2



**KPI-28**  
22-888165G2  
QTY: 2



**KPI-5**  
22-888130G2  
QTY: 2



**KPI-1**  
22-888110G2  
QTY: 2



**KPI-35L**  
22-888180G2  
QTY: 1



**KPI-44**  
22-888190G2  
QTY: 1



**KPI-74**  
22-888200G2  
QTY: 2



## US&R Lift Bag Kit

Part No.	Net Weight: lb	kg
22-889350G2-150	613.0	278.0

**INLINE RELIEF VALVE**  
22-890490-150  
QTY: 8

**DUAL DEADMAN BAG CONTROLLER G3**  
22-890900G3-150  
QTY: 2

**MASTER CONTROL KIT CASES**  
22-890322  
QTY: 2

**PARATECH NIPPLE AND LOCKING TIRE CHUCK**  
22-890731  
QTY: 2

**"Y" with 2 COUPLINGS and 1 NIPPLE**  
22-890736  
QTY: 4

**SHUTOFF ADAPTER NIPPLE WITH INDUSTRIAL NIPPLE WITH VALVE**  
22-890732  
QTY: 2

**SHUTOFF ADAPTER NIPPLE WITH TWIST LOCK**  
22-890749  
QTY: 2

**AIR HOSE BLACK**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890513  
QTY: 2

**AIR HOSE BLUE**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890514  
QTY: 2

**AIR HOSE YELLOW**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890515  
QTY: 2

**AIR HOSE RED**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890516  
QTY: 2

**AIR HOSE GREEN**  
3/8 in / 9.5 mm dia  
x 16 ft / 5m  
22-890517  
QTY: 2

**PARATECH NIPPLE 1/4 IN / 0.6 CM (NPT F)**  
22-890682  
QTY: 4

**PARATECH NIPPLE FOR ALB 3/8-24 LH THD**  
22-890686  
QTY: 8

**INLINE RELIEF VALVE**  
22-890490-150  
QTY: 20

**KPI-1**  
22-888110G2  
QTY: 4

**PRESET AIR LIFTING BAG REGULATOR**  
22-895401G3  
QTY: 2

**KPI-5**  
22-888130G2  
QTY: 4

**KPI-3**  
22-888120G2  
QTY: 4

**KPI-12**  
22-888140G2  
QTY: 4

**KPI-44**  
22-888190G2  
QTY: 2

**KPI-28**  
22-888165G2  
QTY: 2

**KPI-17**  
22-888150G2  
QTY: 2

**KPI-35L**  
22-888180G2  
QTY: 2

**KPI-74**  
22-888200G2  
QTY: 4

# MaxiForce Air Lifting Bags

## Master Control Kit



1 - Master Control Kit Case  
22-890322



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5m Black  
22-890513



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5m Blue  
22-890514



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5m Yellow  
22-890515



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5m Red  
22-890516



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5m Green  
22-890517

Part No.	Net Weight: lb	kg
22-890300G2-150	US	44.0
22-890300G2D-10	Metric	19.9

1 - Dual Deadman Bag Controller G3  
22-890900G3-150



1 - Preset Air Lifting Bag Regulator  
22-895401G3



4 - Inline Relief Valve 22-890490-150

1 - Paratech Nipple and Locking Tire Chuck  
22-890731



2 - "Y" with 2 Couplings and 1 Nipple  
22-890736



1 - Shutoff Adapter Nipple with Industrial Nipple with Valve  
22-890732



1 - Shutoff Adapter Nipple with Twist Lock  
22-890749



2 - Paratech Nipple  
1/4 in / 0.6 cm (NPT F)  
22-890682



4 - Paratech Nipple for ALB 3/8-24 LH THD  
22-890686



Quantity	Part No.	Description
1	22-890900G3-150	Dual Deadman Safety Relief & Control Valve
1	22-895401G3	Preset Air Lifting Bag Regulator 215 PSI CGS (14.8 bar) 5,500-0 psi / 379.2 -0 bar CGA 347/346 Inlet
4	22-890490-150	Inline Relief Valve
2	22-890682	Paratech Nipple 1/4 in / 0.6 cm NPT F
4	22-890686	Paratech Nipple for ALB 3/8-24 LH THD
1	22-890731	Paratech Nipple and Locking Tire Chuck

Quantity	Part No.	Description
1	22-890732	Shutoff Adapter Nipple with Industrial Nipple with Valve
2	22-890736	"Y" with 2 Couplings and 1 Nipple
1	22-890749	Shutoff Adapter Nipple with Twist Lock
1	22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK
1	22-890514	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLUE
1	22-890515	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m YELLOW
1	22-890516	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m RED
1	22-890517	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m GREEN
1	22-890322	Master Control Kit Case



# MaxiForce Air Lifting Bags

## Basic Control Kit

1 - Dual Deadman Bag Controller G3  
22-890900G3-150



1 - Preset Air Lifting Bag Regulator  
22-895401G3



Part No.	Net Weight:	lb	kg
22-890351G2-150	US	21.0	9.5
22-890351G2D-10	Metric		



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5 m Black  
22-890513



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5 m Yellow  
22-890515



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5 m Red  
22-890516

Quantity	Part No.	Description
1	22-890900G3-150	Dual Deadman Safety Relief & Control Valve
1	22-895401G3	Preset Air Lifting Bag Regulator 215 PSI CGS (14.8 bar) 5,500 – 0 psi / 379.2 – 0 bar CGA 347/346 Inlet

Quantity	Part No.	Description
1	22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK
1	22-890515	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m YELLOW
1	22-890516	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m RED

## Vehicle Maintenance Kit

KPI-44



KPI-44



1 - Dual Deadman Bag Controller G3  
22-890900G3-150



2 - Inline Relief Valve  
22-890490-150



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5 m Black  
22-890513



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5 m Yellow  
22-890515



1 - Air Hose  
3/8 in / 9.5 mm dia.  
x 16 ft / 5 m Red  
22-890516

Quantity	Part No.	Model	Dimensions in	Dimensions mm	Max Lifting Capacity US Ton / Met Ton	Max Lifting Height in / mm	WEIGHT lb / kg
2	22-888190G2	KPI-44	28 in x 28 in x 7/8 in	711 mm x 711 mm x 22 mm	52.7 / 47.8	15.3 / 388	30.0 / 13.6

Quantity	Part No.	Description
2	22-890490-150	Inline Relief Valve
1	22-890900G3-150	Dual Deadman Safety Relief & Control Valve

Quantity	Part No.	Description
1	22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK
1	22-890515	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m YELLOW
1	22-890516	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m RED

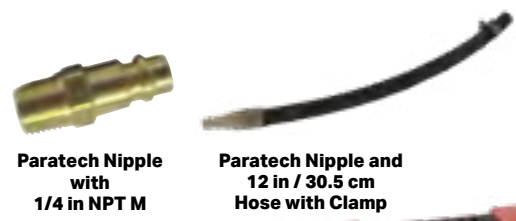
# MaxiForce Air Lifting Bags

## Paratech 24 Pneumatic Component & Adapter Kit

Part No.	Net Weight: lb	kg
22-890729	15.0	6.8



Quantity	Part No.	Description
1	22-890732	Paratech Nipple & Industrial Nipple with Valve
1	22-890734	Paratech Nipple & Glad Hand
1	22-890749	Paratech Nipple & Industrial Twist Lock with Valve
1	22-890731	Paratech Nipple & Locking Tire Chuck
1	22-890738	Paratech Nipple & 12 in / 30.5 cm Hose with Clamp
1	22-000905	Storage Case
1	22-890735	"Y" with 2 Paratech Couplings & 1/4 in NPT F
1	22-890736	"Y" with 2 Paratech Couplings and MAXIFORCE® Nipple
1	22-890740	"Y" with 3 Paratech Couplings
1	22-890740	Paratech Double Male Nipple
1	22-890730	Paratech Double Male Nipple
1	22-890737	Paratech Nipple and Tire Valve Inflator
1	22-890700V	Paratech Coupling with 3/8 in / 1 cm Hose Stem with Ferrule (consists of 22-890700A & 22-890624)
1	22-890691 & 22-890624	Paratech Nipple with 3/8 in / 1 cm Hose Stem with Ferrule
1	22-890721AV	Paratech Coupling with 1/4 in NPSM with "O" Ring
1	22-890686	Paratech Nipple for ALB 3/8-24 LH THD
1	22-890681	Paratech Nipple with 1/4 in NPT M
1	22-890710V	Paratech Coupling with 1/2 in NPT M
1	22-890684	Paratech Nipple with 1/2 in NPT M
1	22-890711V	Paratech Coupling with 1/4 in NPT F
1	22-890682	Paratech Nipple with 1/4 in NPT F
1	22-890720V	Paratech Coupling with 1/2 in NPT F
1	22-890685	Paratech Nipple with 1/2 in NPT F
1	22-890683	Paratech Nipple with 1/8 in NPT M



Storage Case

## MaxiForce® Air Lifting Bag Safety Icons



## MaxiForce Accessories



**Completely Compatible with All Older MaxiForce® Air Lifting Bags and Control Equipment**

**DUAL DEADMAN BAG CONTROLLER G3**  
Net Weight: 3.7lb 1.7kg  
Part No. 22-890900G3-150



**PRESET AIR LIFTING BAG REGULATOR**  
215 PSI CGA (14.8 BAR)  
Piston Type 5,500-0 psi / 379.2-0 bar CGA 347/346 inlet  
Net Weight: 3.6lb 1.6kg  
Part No. 22-895401G3



**PRESSURE REGULATOR**  
215 PSI DIN (14.8 BAR)  
Piston Type Euro 5,500-0 psi / 379.2-0 bar DIN  
Net Weight: 3.8lb 1.7kg  
Part No. 22-895401DG3



**INLINE RELIEF VALVE FOR G2**  
165 psi / 11.4 bar  
Designed to relieve over-pressurization and allow a lift bag to remain inflated under a load. This valve will relieve excess pressure from an inflated bag caused by load shifts or temperature changes.  
Now with safety coupling.  
Net Weight: 1.0lb 0.4kg  
Part No. 22-890490-150



**INLINE RELIEF VALVE**  
135 psi / 9.3 bar  
Designed to relieve over-pressurization and allow a lift bag to remain inflated under a load. This is not simply a shut off valve. This valve will relieve excess pressure from an inflated bag caused by load shifts or temperature changes.  
Net Weight: 1.0lb 0.4kg  
Part No. 22-890490

**MANUAL AIR COMPRESSOR**  
2 STAGE - FOOT/HAND  
Net Weight: 14.7lb 6.7kg  
Part No. 22-800400



**MASTER CONTROL PACKAGE CUSTOM CASE ONLY**

Part No. 22-890322



**STORAGE CASE**

Part No. 22-000905



**NEOPRENE SHEET**  
20 in x 20 in x 1/8 in / 50.8 cm x 50.8 cm x .032 cm

Part No. 22-890466



# MaxiForce Air Lifting Bags

## MaxiForce Accessories


**Ferrule for Paratech Nipple with 3/8 in / 1 cm hose stem**  
 Part No. 22-890624


**Nipple with 1/4 in NPT M fits MAXIFORCE® and Vetter**  
 Part No. 22-890667


**Locking Nipple with 1/8 in NPT M fits MAXIFORCE® and Vetter**  
 Part No. 22-890668


**Paratech Lock Nipple with 3/8 in / 1 cm hose thread**  
 Part No. 22-890672


**2 - Paratech Nipple for ALB 3/8-24 LH THD**  
 Part No. 22-890686


**Paratech Nipple with 1/4 in NPT F**  
 Part No. 22-890682


**Paratech Nipple with 1/8 in NPT M**  
 Part No. 22-890683


**Paratech Nipple with 1/2 in NPT M**  
 Part No. 22-890684


**Paratech Nipple with 1/2 in NPT F**  
 Part No. 22-890685


**Paratech Nipple with 3/8 in / 1 cm hose stem**  
 Part No. 22-890691


**Paratech/Vetter Nipple 3/8 in / 24 LH**  
 Part No. 22-890652


**Paratech Coupling with 3/8 in / 0.4 cm hose stem w/Ferrule - consists of 22-890700A & 22-890624**  
 Part No. 22-890700V


**Paratech Coupling with 3/8 in / 1 cm hose stem**  
 Part No. 22-890700AV


**Paratech Coupling with 1/2 in NPT M**  
 Part No. 22-890710V


**Paratech Coupling with 1/4 in NPT F**  
 Part No. 22-890711


**Paratech Coupling with 1/2 in NPT F**  
 Part No. 22-890720


**Paratech Coupling with 1/4 in NPSM with 'O' Ring**  
 Part No. 22-890721A


**Paratech Coupling with 1/4 in NPSM open**  
 Part No. 22-890703V


**Paratech Double Male Nipple**  
 Part No. 22-890730


**Paratech Nipple Industrial Nipple with Valve**  
 Part No. 22-890732


**Paratech Nipple and Glad Hand**  
 Part No. 22-890734


**'Y' with 2 Paratech Couplings and 1/4 in NPT F**  
 Part No. 22-890735


**'Y' with 2 Paratech Couplings and MAXIFORCE® Nipple**  
 Part No. 22-890736


**'Y' with 3 Paratech Couplings**  
 Part No. 22-890740


**Paratech Nipple and Tire Valve Inflator**  
 Part No. 22-890737


**Paratech Nipple and Locking Tire Chuck**  
 Part No. 22-890731


**Paratech Nipple and 12 in / 30.5 cm hose with clamp**  
 Part No. 22-890738


**Paratech Nipple and Industrial Twist Lock with Valve**  
 Part No. 22-890749


**Industrial Coupling 1/4 in NPT F**  
 Part No. 22-890751


**Industrial Coupling 1/4 in NPT M**  
 Part No. 22-890752


**Industrial Nipple 1/8 in NPT M**  
 Part No. 22-890760


**Industrial Nipple 1/4 in NPT M**  
 Part No. 22-890761


**Industrial Nipple 3/8 in NPT M**  
 Part No. 22-890762


**Industrial Nipple 1/4 in NPT F**  
 Part No. 22-890763


**Paratech Coupling with 1/4 in NPT M open**  
 Part No. 22-890704V


**Paratech Coupling with 1/4 in NPT M**  
 Part No. 22-890712V


**Paratech Coupling with 3/8 in NPT M**  
 Part No. 22-890714V


**Paratech Coupling with 3/8 in NPT F**  
 Part No. 22-890716V


**Paratech Nipple with 1/4 in NPT M**  
 Part No. 22-890681


**Paratech Nipple with 3/8 in NPT F**  
 Part No. 22-890777


**Nipple (Strut Inlet) 1/8 in NPSM**  
 Part No. 22-796065


**Hose Splice 3/8 in / 9.5 mm dia. x 3/8 in / 9.5 mm dia.**  
 Part No. 22-890673


**Hose Stem 1/4 in NPT M with 3/8 in / 9.5 mm dia.**  
 Part No. 22-890674


**Hose Barb 1/4 in NPT F with 3/8 in / 9.5 mm dia.**  
 Part No. 22-890675


**Dual Tank Connector with Check Valves - CGA 346/347**  
 Part No. 22-800130 Net Weight: 1.5lb / 0.68kg


**Dual Tank Connector with Check Valves - DIN**  
 Part No. 22-800135 Net Weight: 1.5lb / 0.68kg

## MaxiForce Accessories



**NIPPLE FOR  
ALB 3/8 - 24 LH THD  
Part No. 22-890686**



**NIPPLE PROTECTOR-G2  
Part No. 22-890709T**



**SWIVEL FITTING  
Part Number: 22-890784  
Weight: .46 lbs (208.6 g)**



## Air Hoses



A full 3/8 in / 9.5 mm inside diameter in a wide range of colors and lengths. Couplings and nipples are field replaceable using simple hand tools. Working pressure of 300 psi / 20.7 bar assures reliability. Hose stays flexible over the full operating temperature range of the lift bag. Closed couplings prevent air escape at disconnect (no blowing debris).

### 3/8 IN / 9.5 mm diameter

	RED	YELLOW	GRAY	BLUE	BLACK	GREEN
x 16 ft / 5 m (2.5 lb / 1.1 kg)	22-890516	22-890515	22-890518	22-890514	22-890513	22-890517
x 32 ft / 10 m (4.5 lb / 2.0 kg)	22-890521	22-890520	22-890525	22-890523	22-890522	22-890524
x 50 ft / 15 m (7.0 lb / 3.2 kg)	22-890541	22-890542	22-890545	22-890543	22-890546	22-890544

### 1 IN / 25.4 mm diameter

RED	BLUE
x 20 ft / 6.1 m (11.0 lb / 5.0 kg) 22-887400	22-887401

# Rescue Air Cushions

## ***Ideal Tool for High Lift Requirements of Non-Reinforced Broad Surfaces Found on Trucks, Vans & Light Aircraft.***

Rescue Air Cushions are an ideal tool for high lift requirements of non-reinforced broad surfaces found on trucks, vans and light aircraft. Cushions are also used by collapse rescue teams to fill voids and regain support for Rescue Struts, wall braces and shoring. With a maximum lift height up to 40 inches (102 cm), Rescue Air Cushions are available in 4 sizes. Paratech's Rescue Air Cushions are ready for a wide range of applications and are extremely versatile.



**Trailer Lift**

**Vehicle Lift**

**Rescue Air Cushions are available in 4 sizes for maximum versatility and a wide range of applications.**

## **Typical Applications Include:**

- Major vehicle accidents (cars, trucks, buses)
- Light aircraft recovery
- Filling voids created in trench collapse
- Small vehicle turnovers
- Downed or trapped animals
- Flotation device
- Industrial lifting applications

**A soft footprint allows placement on soft and uneven terrain, with a contact area exceeding lifting height.**

**Constructed with a highly durable contact area, Rescue Air Cushions have Neoprene coated exterior and interior reinforcement belts.**

**Rescue Air Cushions can be inflated using a variety of compressed air sources including industrial compressed air, compressed air storage cylinders, air brake systems and portable blowers.**



**Vehicle Lift**



**Trailer Lift**

## **Safety And Operational Features:**

- Pressure relief valves on cushions and control valve
- Interior reinforcing maintains flat lift surfaces for direction of lift force
- Quick connect couplings with locking ring
- Positioning handles
- Each cushion is factory tested at 1.3 times operating pressure
- Contact area diameter exceeds lifting height
- Operating pressure of 0-14.5 psi / 1.0 bar aramid reinforced

## **Advantages:**

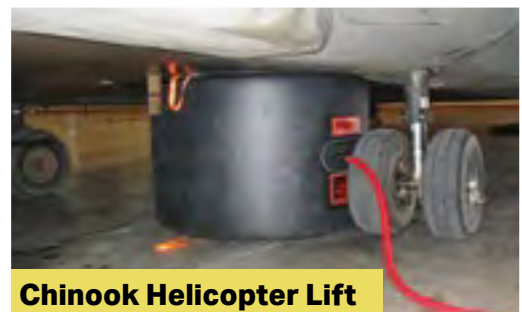
- Lifting heights from 17 in to 40 in / 43 cm to 102 cm
- Greater stability due to the size of the contact area
- Lighter loads have predictable lift results
- Full lift capacity over full lifting height
- Soft footprint allows placement on soft and uneven terrain
- User repairable for limited damage or punctures
- Four sizes to choose from

## **Ease of Operation:**

**Air Cushion inflation can be made from a variety of compressed air sources:**

- Industrial compressed air
- Compressed air storage cylinders
- Air brake systems
- Portable blowers

**Portable, hand held controller includes adjustable valves, gauges and pressure reliefs**



**Chinook Helicopter Lift**

# Rescue Air Cushions

## Rescue Air Cushions



Part No.	Description	Diameter in / cm	Height Deflated in / cm	Height Inflated in / cm	Lift at Max Pressure lb / kg	Air Requirement cu ft / cu ltr	Weight Packed lb / kg
22-887005K	A/K Cushion 3.3 Ton (3.0 t)	24 / 61	2 / 5	17 / 43	6,560 / 2,976	10.4 / 295	35 / 15
22-887010K	B/K Cushion 5.1 Ton (4.7 t)	30 / 76	2 / 5	23 / 59	10,250 / 4,650	22.0 / 620	38 / 17
22-887015K	C/K Cushion 7.4 Ton (6.7 t)	36 / 91	2 / 5	24 / 61	14,761 / 6,697	31.6 / 895	50 / 22
22-887020K	D/K Cushion 13.7 Ton (11.9 t)	48 / 122	4 / 10	39.4 / 100	26,248 / 11,906	106.0 / 3,010	56 / 25

## Rescue Air Cushions Kits

Each Rescue Air Cushion Kit consists of:

- Two Rescue Air Cushions with pressure reliefs
- A dual safety controller with quick connect couplings
- One length of 3/8 in / 9.5 mm diameter high pressure
- Hose with quick connect couplings 16 ft / 5m
- Two lengths of 1 in / 2.5 cm diameter low pressure
- Hose with quick connect couplings, 20 ft / 6 m
- Storage and carrying case
- Repair kit

## 6 Ton / 5.4 Metric Ton Lift Kit

Kit Part No.	Description	Net Weight: lb	kg
22-887100KG2	AK/6 Ton (5.4 t)	103.0	47.0

Part No.	Description	Quantity
22-887005K	A/K Cushion 3.3 Ton (3.0 t)	2
22-887006	A/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation





## 10 Ton / 9 Metric Ton Lift Kit

Kit Part No.	Description	Net Weight:	lb	kg
22-887102KG2	BK/10 Ton (9 t)		111.0	50.0

Part No.	Description	Quantity
22-887010K	B/K Cushion 5.1Ton (4.7 t)	2
22-887011	B/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation



## 14 Ton / 12.7 Metric Ton Lift Kit

Kit Part No.	Description	Net Weight:	lb	kg
22-887104KG2	CK/14 Ton (12.7 t)		139.0	63.0

Part No	Description	Quantity
22-887015K	C/K Cushion 7.4 Ton (6.7 t)	2
22-887016	C/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation



## 26 Ton / 23.6 Metric Ton Lift Kit

Kit Part No.	Description	Net Weight:	lb	kg
22-887106KG2	DK/26 Ton (23.6 t)		150.0	68.0

Part No.	Description	Quantity
22-887020K	D/K Cushion 13.7 Ton (11.9 t)	2
22-887021	D/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation



## Rescue Air Cushions Accessories



**A/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 2.4lb 1.1kg  
Part No. 22-887006



**B/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 3.0lb 1.4kg  
Part No. 22-887011



**C/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 4.3lb 2.0kg  
Part No. 22-887016



**D/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 6.1lb 2.8kg  
Part No. 22-887021



**DUAL CONTROLLER WITH GAUGES & SAFETY RELIEF**  
14.5 psi / 1.0 bar  
Net Weight: 4.2lb 1.9kg  
Part No. 22-887305G3



**AIR HOSE RED** 1 in / 25 mm dia.  
20 ft / 6 m  
Net Weight: 11.0lb 5.0kg  
Part No. 22-887400  
40 ft / 12 m  
Net Weight: 22.0lb 10.0kg  
Part No. 22-887405  
60 ft / 18 m  
Net Weight: 33.0lb 15.0kg  
Part No. 22-887410



**AIR HOSE BLUE**  
1 in / 25 mm dia.  
20 ft / 6 m  
Net Weight: 11.0lb 5.0kg  
Part No. 22-887401  
40 ft / 12 m  
Net Weight: 22.0lb 10.0kg  
Part No. 22-887406  
60 ft / 18 m  
Net Weight: 33.0lb 15.0kg  
Part No. 22-887411



**AIR HOSE BLACK**  
3/8 in / 9.6 dia.  
16 ft / 5 m  
Net Weight: 2.0lb 0.9kg  
Part No. 22-890513



**PRESET REGULATOR**  
215 PSI CGA (14.8 BAR)  
Piston Type 5,500-0 psi / 379.2-0 bar CGA 347/346 inlet  
Net Weight: 3.6lb 1.6kg  
Part No. 22-895401G3



**INLINE RELIEF, SHUT OFF & HOSE ASSEMBLY**  
1 in / 2.5 cm x 16 ft / 5 m  
Net Weight: 13.5lb 6.1kg  
14.5 PSI / 1.0 BAR RED HOSE  
Part No. 22-887350  
14.5 PSI / 1.0 BAR BLUE HOSE  
Part No. 22-887352



**REGULATOR G3**  
215 PSI DIN (14.8 BAR)  
Piston Type Euro 5,500-0 psi / 379.2-0 bar DIN  
Net Weight: 3.5lb 1.6kg  
Part No. 22-895401DG3



**ADAPTER NIPPLE**  
5/8 in / 1.6 cm nipple  
x 1.0 in / 2.5 cm hose  
Net Weight: 0.2lb 0.1kg  
Part No. 22-887460



**QUICK CONNECT COUPLINGS**  
for 1 in / 2.5 cm hose  
Net Weight: 0.6lb 0.3kg  
Part No. 22-887450



**REPAIR KIT / MEDIUM PRESSURE**  
Adhesive, assorted aramid/neoprene patches and 60 grit emory cloth  
Net Weight: 0.4lb 0.2kg  
Part No. 22-887099K

# Rescue Air Cushions



<b>RAC Information</b>		<b>Medium Pressure</b>			
<b>TYPE PART NUMBER</b>		<b>AK 22-887005K</b>	<b>BK 22-887010K</b>	<b>CK 22-887015K</b>	<b>DK 22-887020K</b>
<b>MAXIMUM LOAD</b>	lb kg	6,560 2,976	10,252 4,650	14,764 6,697	26,248 11,906
<b>LIFT HEIGHT</b>	in cm	17 43	23 58	24 61	39.4 100
<b>DIAMETER</b>	in cm	24 61	30 76	36 91	48 122
<b>AIR REQUIRED</b>	cu ft ltrs	10.4 295	22 620	31.6 895	106 3010
<b>WEIGHT PACKAGED</b>	lb kg	35 16	38 17	50 23	56 25
<b>INSERT SPACE APPROXIMATELY</b>	in cm	2 5	2 5	2 5	4 10
<b>WORKING SURFACE</b>	<b>3 PLY NEOPRENE COATED BELT 0.2 in / 5 mm NOMINAL THICKNESS</b>				
<b>INFLATION PORT</b>	<b>MOLDED THREADED FITTING 1-1 / 6-12</b>				
<b>INLET NIPPLE</b>	<b>QUICK CONNECT W/THREADED LOCKING RING</b>				
<b>RESTRAINT WEBS</b>	<b>TWIN NYLON WEBS 1 in / 25 mm WIDE 2,399 lb / 1088 kg BREAKING STRAIN</b>				
<b>SIDE WALL</b>	<b>NEOPRENE COATED (BOTH SIDES) ARAMID FABRIC, KEVLAR REINFORCED</b>				
<b>BUILT IN RESET RELIEF VALVE</b>	<b>MOLDED, THREADED, SPRING LOADED SELF RESETTING AT 14.5 psi / 1.0 bar +/-10%</b>				

## Forcible Entry Tools

Paratech offers a wide range of forcible entry tools. From the compact and lightweight personal entry tools to the all-purpose Hooligan tools to the PRT Kit, Paratech has every tool you need to break through any barrier.



### Hooligan Comparisons

	SIZES	FINISH	APPLICATION
SPF (Single Piece Forged)	1	Nickel Plated	Rescue
Standard	4	Nickel Plated	Rescue
Light Weight	2	Nickel Plated	Rescue

### Personal Tool Comparisons

	WEIGHT	LENGTH	APPLICATION
Pry-Axe	6.6 lbs / 3.0 kg	18.4 in / 46.7 cm	Rescue/Police/Military
Biel Tool	3.1 lbs / 1.4 kg	15 in / 38.1 cm	Rescue/Police/Military
TiTAN Crash Axe	2.5 lbs / 1.13 kg	15.7 in / 39.9 cm	Rescue/Police/Military

For more than 50 years Paratech has set the standard for high quality heavy-duty forcible entry tools. These tools are designed to pry, pound, puncture, twist and cut open or remove all types of barriers between emergency personnel and the life they are saving. From our popular full line of Hooligan Tools to our powerful Percussive Rescue Tool (PRT), to our compact & versatile Pry-Axe...Paratech has led the way in design and manufacturing of dependable and unstoppable forcible entry tools.



## ***Hooligan Tool***

Setting the standard of excellence for Halligan type tools, the heavy duty Paratech Hooligan tools have features such as a stress proof bar, lightweight aluminum handles with machine grooved hand grips and gently curved claws that maximize prying leverage.

Paratech also offers the SPF, a single piece forged Hooligan, a top choice by many.

## ***Personal Entry Tools***

Paratech offers 3 different types of personal forcible entry tools, the Pry-Axe, Biel Tool, and the TITAN Crash Axe. The Pry-Axe has an extendable claw to offer the powerful 'Slam & Ram' capability for quick and decisive entry in tight quarters. The claw can be removed and inserted into the keyway of the axe head for twisting leverage.



## ***PRT Percussive Rescue Tool***

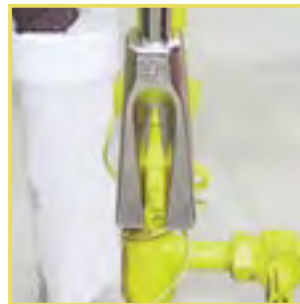
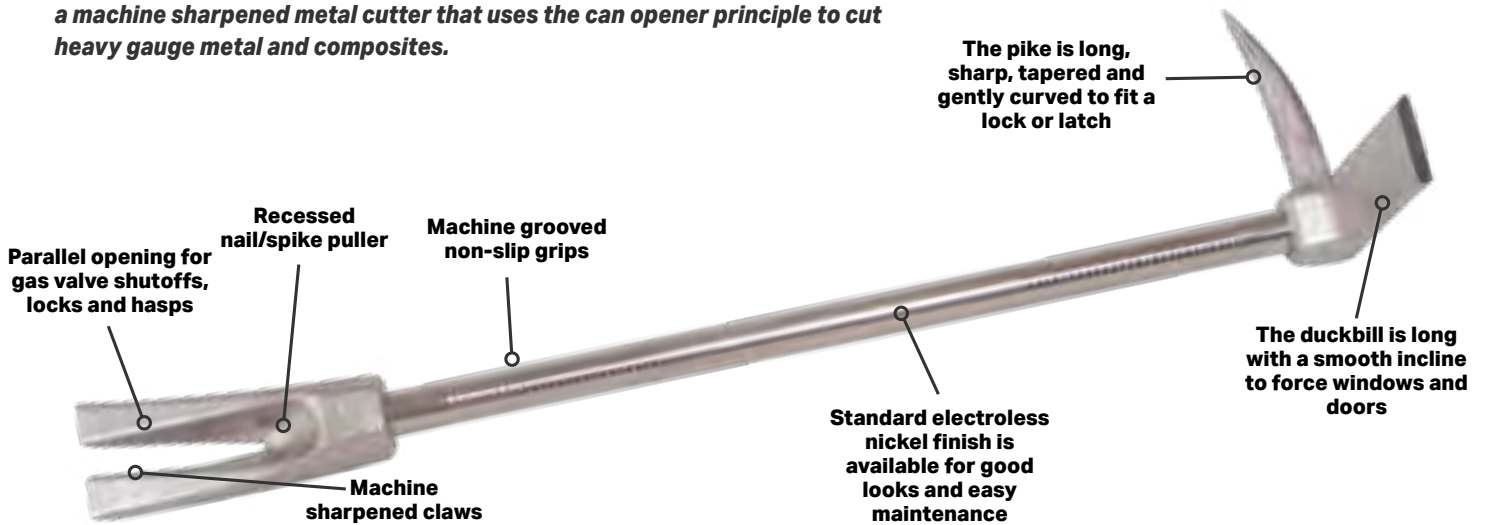
The PRT is a powerful hand held rescue tool that can be put to work with a minimal amount of training. The 'Slam & Ram' action of the PRT directs all of its force directly at the point of impact, without deflection, making it safer and more effective than a sledge and wedge.

## Hooligan Tool

The Hooligan Tool is one of the world's most popular forcible entry tools. These heavy-duty tools were designed to pound, puncture, pry, twist, and cut all types of barriers encountered by emergency service personnel. The head and claw are forged from high alloy steel, heat treated for maximum strength, then fitted to a 1" (2.5 cm) stress proof bar. The bar has machine grooved non-slip grips. The Hooligan Tool features a claw that is gently curved for maximum prying leverage. The claw opening is parallel and fits over locks, hasps and many door bars. It can also be used as a nail puller and a gas shut off during emergencies. The "Highway Hooligan Tool" features a metal cutting claw with a machine sharpened metal cutter that uses the can opener principle to cut heavy gauge metal and composites.

### Recommended Users

- Fire Departments
- Law Enforcement Agencies
- Rescue Squads
- Hazmat Teams
- Plant/Refinery Maintenance Crews
- Military and Public Utilities

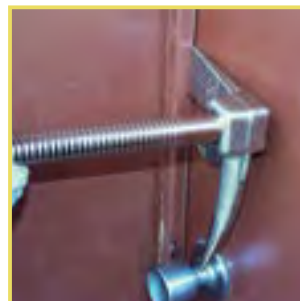


### Standard Claw:

Parallel opening for gas valve shutoffs, locks and hasps. Machine sharpened claws. Recessed nail puller. Claw radius for prying leverage.

### Metal Cutting Claw:

Combines the capability of prying and metal cutting. Machine sharpened metal cutter uses can opener principle to cut heavy gauge metal and composites.

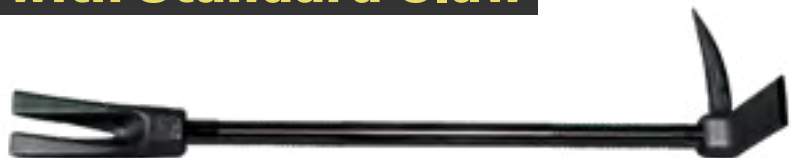


## Hooligan Tool with Standard Claw Electroless Nickel Finish



Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000599	24 in / 61.0 cm Hooligan Tool		24.0	61.0	9.2	4.2
22-000600	30 in / 76.2 cm Hooligan Tool (pictured)		30.0	76.2	10.6	4.8
22-000601	36 in / 91.4 cm Hooligan Tool		36.0	91.4	11.9	5.4
22-000602	42 in / 106.7 cm Hooligan Tool		42.0	106.7	13.2	6.0

## Tactical Hooligan Tool with Standard Claw



Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000599T	Tactical Hooligan Tool		24.0	61.0	9.2	4.2
22-000600T	Tactical Hooligan Tool (pictured)		30.0	76.2	10.6	4.8
22-000601T	Tactical Hooligan Tool		36.0	91.4	11.9	5.4
22-000602T	Tactical Hooligan Tool		42.0	106.7	13.3	6.0

## Hooligan Tool Lightweight Aluminum Handle and Standard Claw with Electroless Nickel Finish



Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000424	24 in / 61.0 cm Hooligan Tool - Lightweight (pictured)		24.0	61.0	6.8	3.1
22-000430	30 in / 76.2 cm Hooligan Tool - Lightweight		30.0	76.2	7.3	3.3

## Highway Hooligan With Metal Cutting Claw With Electroless Nickel Finish



Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000622	30 in / 76.2 cm Highway Hooligan Tool	30.0		76.2	10.6	4.8
22-000623	36 in / 91.4 cm Highway Hooligan Tool (pictured)	36.0		91.4	11.9	5.4
22-000624	42 in / 106.7 cm Highway Hooligan Tool	42.0		106.7	13.3	6.0

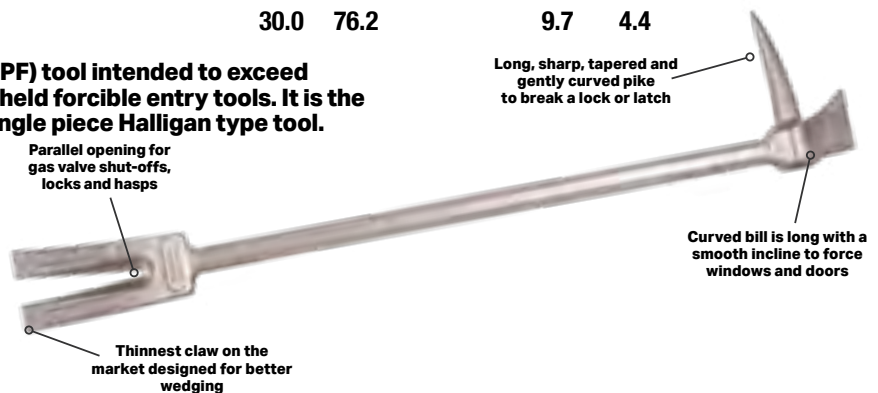
## SPF Hooligan Single Piece Forged

Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000680	SPF Hooligan 30 in / 76.2 cm	30.0		76.2	9.7	4.4

The SPF Hooligan is a single piece forged (SPF) tool intended to exceed FDNY specifications for their primary hand held forcible entry tools. It is the very first redesigned, (features included) single piece Halligan type tool.

### Features

- Single Piece, closed die
- Forging for absolute consistent lengths
- Recessed nail puller type claw, a thin curved profile
- Cable groove at the rear of the tool head
- Electroless nickel plating



## Tactical SPF Hooligan Single Piece Forged



Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000680T	Tactical SPF Hooligan	30.0		76.2	9.7	4.4



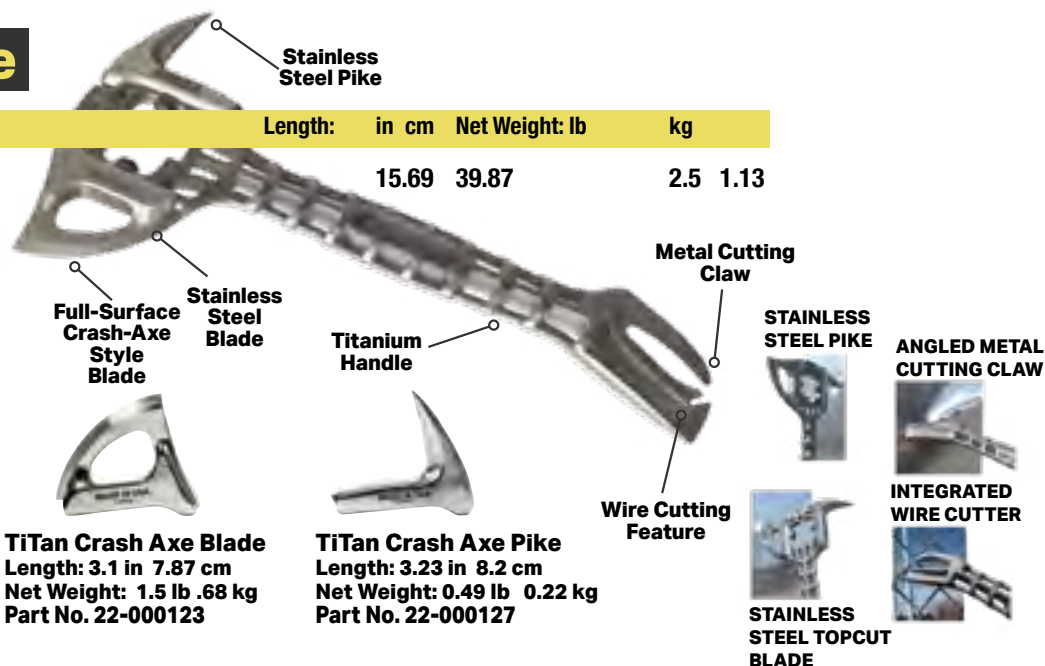
## Titan Crash Axe

Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000120	Crash Axe	15.69	39.87	2.5	1.13	

Paratech's TITAN CRASH AXE takes lightweight, multi-function rescue hand tools to the next level. Designed with input from the Air Force's Pararescuemen(PJs), Paratech's TITAN CRASH AXE is high-tech and low-drag.

### Features

- Super Lightweight Titanium Handle
- Replaceable & Interchangeable Stainless Steel Blade and Pike
- Total weight of under 3 lbs.
- Large, Full-Surface Crash-Axe Style Blade
- Integrated Metal Cutting Claw with Wire Cutting feature
- "Future ready" for new blades, pikes, picks and more



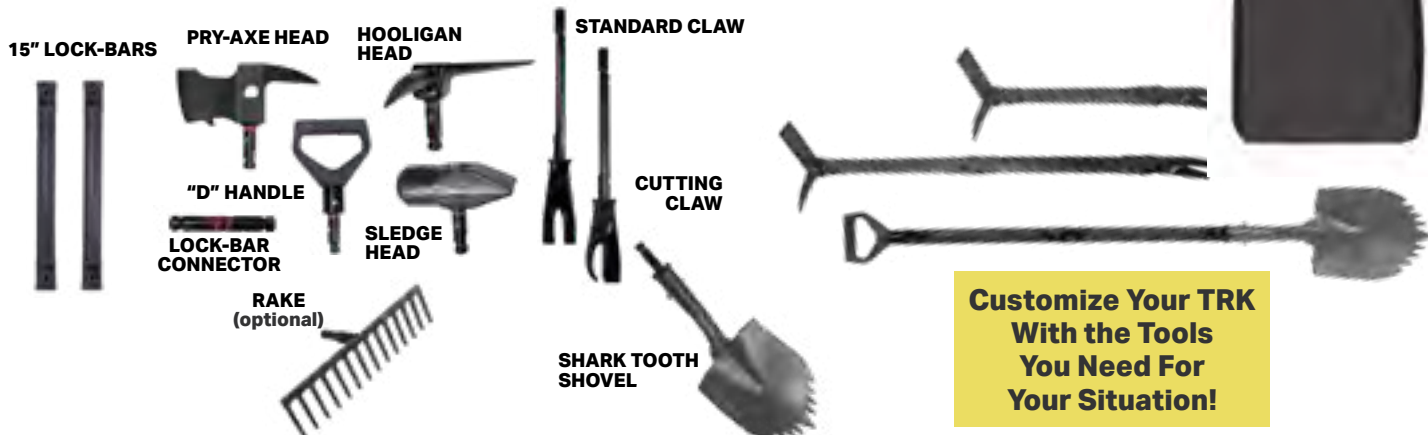
**TiTan Crash Axe Blade**  
Length: 3.1 in 7.87 cm  
Net Weight: 1.5 lb .68 kg  
Part No. 22-000123

**TiTan Crash Axe Pike**  
Length: 3.23 in 8.2 cm  
Net Weight: 0.49 lb 0.22 kg  
Part No. 22-000127

## Total Response Kit (TRK)

The Total Response Kit is a compact way to take every tool you need for any situation to pry, pound, twist and cut open or remove all types of barriers. This kit is also interchangeable so you can use any combination using the included lock-bars. Use a Hooligan to pry, a sledge to break concrete or a Pry-Axe to chop. Everything you need in one kit!

Part No.	Description	Length:	in	cm	Net Weight: lb	kg
22-000950	Total Response Kit (TRK)	24.0	61.0		31.8	14.3
<i>Kit includes</i>						
22-000960	TRK (1) 15" Lock-Bar	15.0	38.1		2.3	1.0
22-000960	TRK (1) 15" Lock-Bar	15.0	38.1		2.3	1.0
22-000971	TRK (1) Lock-Bar Connector	—	—		0.6	0.3
22-000972	TRK D-Handle	6.5	16.5		1.6	0.7
22-000322	TRK Standard Claw	15.0	38.1		2.6	1.2
22-000324	TRK Cutting Claw	15.0	38.1		2.5	1.1
22-000973	TRK Pry-Axe Head	3.4*	8.6*		3.0	1.4
22-000980	TRK Hooligan Head	1.8*	8.6*		3.3	1.5
22-000994	TRK Sledge Head	2.1*	5.3*		4.9	2.2
22-000930	TRK Shark Tooth Shovel	19.2*	48.8*		4.0	1.8
22-000940	TRK Back Pack	25.0	63.5		4.7	2.1
<i>Optional</i>						
22-000984	TRK Rake	2.5*	6.4*		2.8	1.3



**Customize Your TRK  
With the Tools  
You Need For  
Your Situation!**

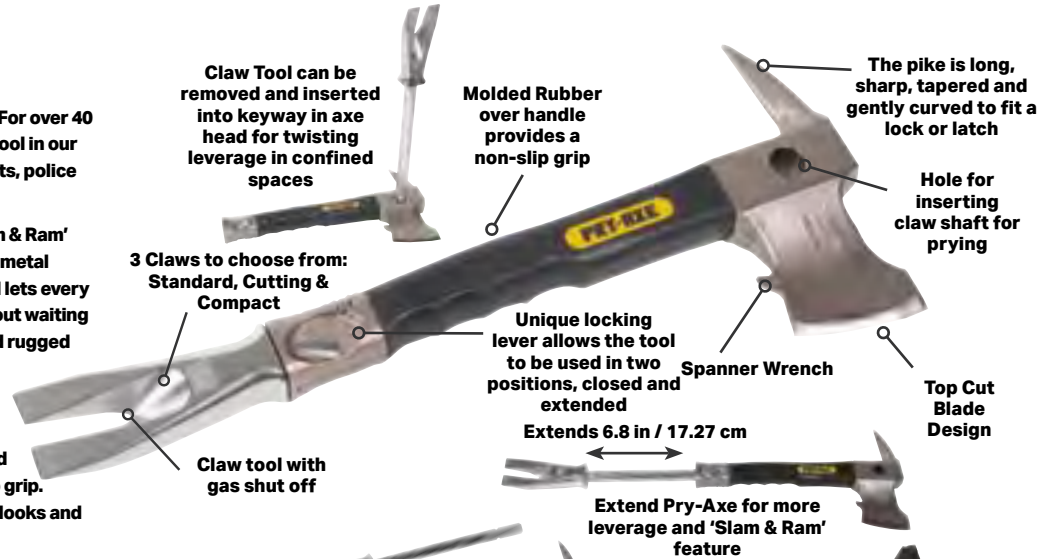
# Forcible Entry Tools

## Pry-Axe

Here is a tool that has withstood the test of time. For over 40 years the Pry-Axe has remained the best selling tool in our line. The Pry-Axe is being used by fire departments, police departments and rescue squads worldwide.

The Pry-Axe is a lightweight, multi-purpose, 'Slam & Ram' tool designed to pry, enlarge openings, cut sheet metal and twist off locks and latches. This efficient tool lets every firefighter force entry, rescue and ventilate without waiting for help. The Pry-Axe is small enough to carry and rugged enough for most jobs.

The Pry-Axe head and claw assemblies are separate sections forged from high alloy steel and heat treated for maximum strength. A molded rubber sleeve over the handle provides a non-slip grip. The Pry-Axe is electroless nickel plated for good looks and easy maintenance.



**Pry-Axe with Metal Cutting Claw**  
Length: 18.4 in 46.7 cm  
Net Weight: 6.6 lb 3.0 kg  
Part No. 22-000522



**Pry-Axe with Standard Claw**  
Length: 18.4 in 46.7 cm  
Net Weight: 6.6 lb 3.0 kg  
Part No. 22-000520



**Pry-Axe with Standard & Metal Cutting Claw**  
Length: 18.4 in 46.7 cm  
Net Weight: 9.6 lb 4.4 kg  
Part No. 22-000518



**Pry-Axe with Standard Claw & Sheath**  
Length: 18.4 in 46.7 cm  
Net Weight: 6.8 lb 3.1 kg  
Part No. 22-000515



**Pry-Axe with Standard Claw & Vehicle Bracket**  
Length: 18.4 in 46.7 cm  
Net Weight: 7.1 lb 3.2 kg  
Part No. 22-000516



**Replacement Pry-Axe Head**  
Length: 13.3 in 33.8 cm  
Net Weight: 4.1 lb 1.9 kg  
Part No. 22-000525



**Standard Claw**  
Length: 15.1 in 38.4 cm  
Net Weight: 2.5 lb 1.4 kg  
Part No. 22-000322s



**Pry-Axe Sheath**  
Length: 8.7 x 18.8 in 26.7 x 47.8 cm  
Net Weight: 0.5 lb 0.5 kg  
Part No. 22-000505



**Vehicle Bracket**  
Length: 4.3 in 10.8 cm  
Net Weight: 0.6 lb 0.3 kg  
Part No. 22-000605



**Compact Claw**  
Length: 13.25 in 33.66 cm  
Net Weight: 2.13 lb .97 kg  
Part No. 22-000321



**Metal Cutting Claw**  
Length: 15.1 in 38.4 cm  
Net Weight: 2.45 lb 1.1 kg  
Part No. 22-000324

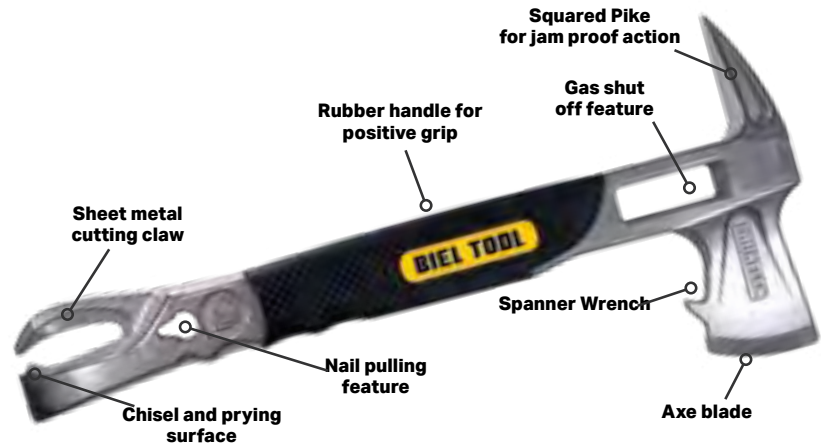


**Pry-Axe Holster**  
Length: 19.0 in 48.3 cm  
Net Weight: 0.7 lb 0.3 kg  
Part No. 22-000506

## Biel Tool

Part No.	Length: in	cm	Net Weight:	lb	kg
22-000550	15.1	38.3		3.3	1.5

The Biel Tool is one piece made out of heat treated, electro-polished, stainless steel with an extremely durable ergonomically rubber molded handle. The Biel Tool incorporates many of the features found in the world famous Paratech 'Pry-Axe', but is much smaller and light enough to wear on a belt or carry in the pocket of a bunker coat. This is the perfect personal size multi-purpose forcible entry and rescue tool, designed for forcing doors and windows, prying and twisting hasps and locks, light overhauling, nail removal, gas shutoff, metal cutting and chopping.



**Biel Tool and Sheath**  
Length: 15.1 in 38.3 cm  
Net Weight: 3.4 lb 1.5 kg  
Part No. 22-000551



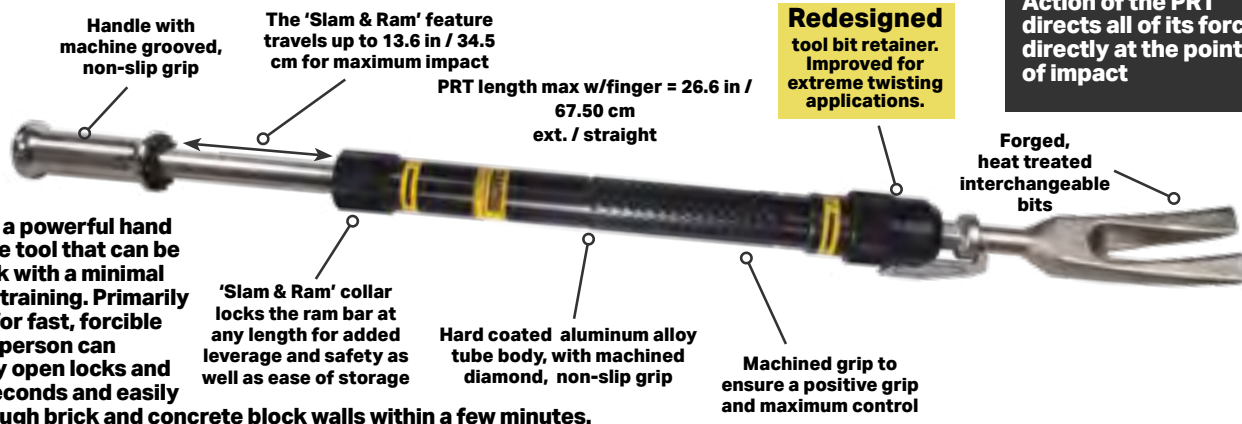
**Biel Sheath**  
Length: 7.3 in 18.5 cm  
Net Weight: 0.1 lb 0.05 kg  
Part No. 22-000555



**Biel Holster**  
Length: 16.0 in 40.6 cm  
Net Weight: 0.5 lb 0.24 kg  
Part No. 22-000545

## PRT Ram Bar

Part No.	Description	Length:	in	cm	Net Weight:	lb	kg
22-000626	PRT Ram Bar Set <i>includes:</i>		40.0	101.6		14.2	6.4
22-000627	PRT Bar						
22-000636	Lockbreaker Claw						



**'SLAM AND RAM'**  
Action of the PRT directs all of its force directly at the point of impact

The PRT is a powerful hand held rescue tool that can be put to work with a minimal amount of training. Primarily designed for fast, forcible entry, one person can quickly pry open locks and doors in seconds and easily break through brick and concrete block walls within a few minutes.

The 'Slam & Ram' action of the PRT directs all of its force directly at the point of impact - without deflection, making it safer and more effective than a sledge and wedge.

This heavy duty rescue tool is easily stored and transported, so it can always be... the first tool to the rescue.

## PRT Rescue Kit

Part No.	Description	Length:	in	cm	Net Weight:	lb	kg
22-000625	PRT Rescue Kit		31.5	80.0		29.0	13.2

The PRT Rescue Kit includes a variety of interchangeable tool bits to penetrate most barriers.

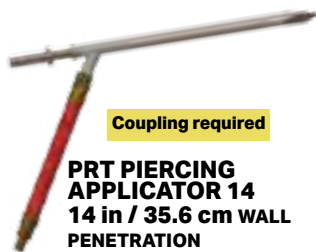


## PRT ACCESSORIES



Coupling required

**PRT PIERCING APPLICATOR 6**  
6 in / 15.2 cm WALL PENETRATION  
Overall length: 18.7 in / 47.5 cm  
Net Weight: 5.12lb 2.32kg  
Part No. 22-098106



Coupling required

**PRT PIERCING APPLICATOR 14**  
14 in / 35.6 cm WALL PENETRATION  
Overall length: 27.1 in / 69 cm  
Net Weight: 6.24lb 2.83kg  
Part No. 22-098114



**1 1/2 in NH (NST) COUPLING**  
Part No. 22-550320  
**1 1/2 in NPSH (IPT) COUPLING**  
Part No. 22-550330  
Length: 3.1 in 7.9 cm  
Net Weight: 1.5 lb 0.7 kg



**PRT Picket Driver Bit**  
Length: 8.8 in 22.4 cm  
Net Weight: 1.5 lb 0.7 kg  
Part No. 22-000634

## 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
<b>22-550505</b>	US	29.9
<b>22-550505D</b>	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 YELLOW	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
<b>22-550ARFF</b>	US	29.9
<b>22-550ARFFD</b>	Metric	13.6

Part No.	Description	Quantity
22-550500G2	Pakhammer, with Inline Oiler	1
22-895400G3	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
<b>22-550530</b>	US	77.0
<b>22-550530D</b>	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



### 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  
22-89052



**AIR TOOL OIL**  
Net Weight: 0.3lb 0.1kg  
22-550291



**GOGGLES PLASTIC SAFETY**  
Net Weight: 0.8lb 0.4kg  
22-700235

## Damage Control System (DCS)

### Direct Compression



I-Type, can be used vertically or horizontally and is the simplest and strongest as it is parallel to the load axis (see table).

### Cross-Axial



H-Type, can be used vertically or horizontally and takes moderate pressure (see table) as the pressure acts perpendicular to the load axis.

### Triangulation



K-Type, can be used vertically or horizontally and takes full pressure (see table) as the pressure acts parallel to the load axis.

The most important factor you get with Paratech's DCS is time! With incoming water comes increasing depth and with that, higher water pressure...one of the most unforgiving vicious cycles has begun. To break the cycle you need time...time to build shoring that can slow the incoming water enough for the pumps to keep up... The Paratech Damage Control System will provide that break.

The Paratech Damage Control System (DCS) brings maritime damage control shoring into the 21st century. Speed, strength, flexibility and capability are the hallmarks of Paratech's DCS. Everything about the system has been engineered to simplify the difficult task Damage Control Teams have to face in the harsh and often dangerous working environments they have to perform in. With the Paratech DCS you will achieve setup speeds never seen with any wood-based system. A standard K brace can be set and fitted within one minute by an experienced team. The system is very logical and user-friendly for unexperienced crew members as well. All components of Paratech's DCS are machined from aircraft grade aluminum for superior strength and hard-coat anodized for maximum salt-spray protection. Designed to last and perform, the DCS makes damage control shoring faster, safer and easier than ever before.

### Shoring

Placing support against, beneath or above the damaged areas and preventing additional sagging, bulging and metal fatigue.

Length	Axial load 2:1			
	Feet	cm	lb	kg
1'	30.5	44000	20000	
2'	61.0	44000	20000	
3'	91.4	44000	20000	
4'	121.9	44000	20000	
5'	152.4	44000	20000	
6'	182.9	44000	20000	
7'	213.4	44000	20000	
8'	243.8	40000	18000	
9'	274.3	32000	14500	
10'	304.8	24000	11000	
11'	335.3	20000	9000	
12'	365.8	16000	7250	
13'	396.2	14000	6250	
14'	426.7	12000	5500	
15'	457.2	9000	4000	
16'	487.7	6000	2750	

## Damage Control Kit-A

### 22-79800AK

The Damage Control Kit-A is designed for vessels larger than 260ft (80m), such as Frigates, Corvettes, Cruise ships and Tankers. \*Multiple kits should be positioned.

Consisting of:

Qty	Part No.	Description
4	22-798S03	Damage Control Shore 03
4	22-798S06	Damage Control Shore 06
4	22-798S10	Damage Control Shore 10
6	22-798B01	Damage Control Brace 01
3	22-798X01	Damage Control Extension 01
3	22-798X02	Damage Control Extension 02
2	22-798X04	Damage Control Extension 04
12	22-798E00	Damage Control Rubber End
2	22-798E02	Damage Control Rail End 02
1	22-798E04	Damage Control Rail End 04
1	22-798E06	Damage Control Angled End
8	22-798E08	Damage Control Rubber Corner End
2	22-798E10	Damage Control Rubbered Angled End
16	22-798C10	Damage Control Latch Connector
12	22-798C20	Damage Control Clamp & Clevis Connector
10	22-798A00	Damage Control Rubber Pad
4	22-796689	Latch Holder
4	22-798027	Damage Control Spanner

# Of Decks	Qty Of Kit-A
6	3
10	4
12	4
14	6
16	8



## Damage Control Kit-B

### 22-79800BK

The Damage Control Kit-B is designed for vessels between 165ft (50m) and 260ft (80m), such as Minesweepers, Workboats and small Ferries. \*Multiple kits should be positioned.

Qty	Part No.	Description
2	22-798S03	Damage Control Shore 03
2	22-798S06	Damage Control Shore 06
2	22-798S10	Damage Control Shore 10
2	22-798X01	Damage Control Extension 01
2	22-798X02	Damage Control Extension 02
1	22-798X04	Damage Control Extension 04
4	22-798B01	Damage Control Brace 01
10	22-798E00	Damage Control Rubber End
1	22-798E02	Damage Control Rail End 02
1	22-798E04	Damage Control Rail End 04
1	22-798E06	Damage Control Angled End
5	22-798E08	Damage Control Rubber Corner End
1	22-798E10	Damage Control Rubber Angled End
12	22-798C10	Damage Control Latch Connector
8	22-798C20	Damage Control Clamp & Clevis Connector
3	22-796689	Latch Holder
2	22-798027	Damage Control Spanner
7	22-798A00	Damage Control Rubber Pad

# Of Decks	Qty Of Kit-B
2	2
6	3
10	4



# DamageControl Systems

## Damage Control Kit-C

### 22-79800CK

The Damage Control Kit-C is designed for vessels between 100ft (30m) and 200ft (60m), such as Patrol vessels and smaller Workboats. Multiple kits should be positioned.

# Of Decks	Qty Of Kit-C
2	1
6	2
10	3

Qty	Part No.	Description
2	22-798S03	Damage Control Shore 03
2	22-798S06	Damage Control Shore 06
1	22-798S10	Damage Control Shore 10
2	22-798X01	Damage Control Extension 01
1	22-798X02	Damage Control Extension 02
1	22-798X04	Damage Control Extension 04
3	22-798B01	Damage Control Brace 01
6	22-798E00	Damage Control Rubber End
1	22-798E02	Damage Control Rail End 02
1	22-798E04	Damage Control Rail End 04
1	22-798E06	Damage Control Angled End
2	22-798E08	Damage Control Rubber Corner End
1	22-798E10	Damage Control Rubber Angled End
9	22-798C10	Damage Control Latch Connector
5	22-798C20	Damage Control Clamp & Clevis Connector
3	22-796689	Latch Holder
2	22-798027	Damage Control Spanner
7	22-798A00	Damage Control Rubber Pad



## Damage Control Kit-D

### 22-79800DK

The Damage Control Kit-D is designed for smaller vessels under 100ft (30m).

# Of Decks	Qty Of Kit-D
2	1
6	2

Qty	Part No.	Description
2	22-798S03	Damage Control Shore 03
1	22-798S10	Damage Control Shore 10
1	22-798B01	Damage Control Brace 01
3	22-798E00	Damage Control Rubber End
1	22-798E02	Damage Control Rail End 02
2	22-798E08	Damage Control Rubber Corner End
3	22-798C10	Damage Control Latch Connector
3	22-798C20	Damage Control Clamp & Clevis Connector
1	22-798027	Damage Control Spanner
4	22-798A00	Damage Control Rubber Pad



## Damage Control Shores

Damage Control Shores offer the end user the ability to manually extend the shore to desired length. The Damage Control Shore always defaults to a locked position.



Part No.	Description	Length: in/cm	Net Weight: lb kg		Ship Weight: lb kg	
22-798S03	Damage Control Shore 03	25-36 in/66-91 cm	13.7	6.2	14.7	6.7
22-798S06	Damage Control Shore 06	47-73 in/122-185 cm	26.0	11.8	27.0	12.3
22-798S10	Damage Control Shore 10	71-116 in/183-295 cm	39.3	17.8	40.3	18.3

## Damage Control Extension

Paratech offers Damage Control Extensions in three sizes: 12" / 30.5 cm, 24" / 61 cm and 48" / 122 cm. Extensions are attached to the solid end of the shore.



Part No.	Description	Length: in/cm	Net Weight: lb kg		Ship Weight: lb kg	
22-798X01	Damage Control Extension 01	12 in/30.5 cm	6.3	2.9	7.3	3.3
22-798X02	Damage Control Extension 02	24 in/61 cm	9.4	4.3	10.4	4.8
22-798X04	Damage Control Extension 04	48 in/122 cm	15.4	7.0	16.4	7.4

## Damage Control Brace

Greatly extend the flexibility and strength of your Paratech Damage Control System with a heavy duty brace



Part No.	Description	Length: in/cm	Net Weight: lb kg		Ship Weight: lb kg	
22-798B01	Damage Control Brace	26 in/66 cm	15.0	6.8	16.0	7.3

## Damage Control Ends

6 different ends in the system offer the possibility of making a variety of shores for Damage Control. The 4" Paratech Damage Control End should always be in one end of a shore used when flex in the hull is predicted.



Part No.	Description	Length: in/cm	Net Weight: lb kg		Ship Weight: lb kg	
22-798E00	Damage Control Rubber End	4 in / 10.2 cm	1.9	.9	2.2	1.0
22-798E02	Damage Control Rail End 02	24 in / 61 cm	6.8	3.1	7.3	3.3
22-798E04	Damage Control Rail End 04	48 in / 122 cm	13.8	6.3	14.5	6.6
22-798E06	Damage Control Angled End	7.6 in / 19.3 cm	2.9	1.3	3.2	1.6
22-798E08	Damage Control Rubber Corner End	6.81 in / 17.30 cm	6.3	2.8	6.3	2.8
22-798E10	Damage Control Rubbered Angled End	9.25 in / 23.50 cm	5.4	2.4	5.7	2.6

## Damage Control Connectors

Part No.	Description	Net Weight: lb kg		Ship Weight: lb kg	
22-798C10	Damage Control Latch Connector	3.2	1.5	3.5	1.6
22-798C20	Damage Control Clamp & Clevis Connector	6.6	3.0	6.9	3.1



## Damage Control Accessories

Part No.	Description	Length: in/cm	Net Weight: lb kg		Ship Weight: lb kg	
22-798A00	Damage Control Rubber Pad	6.75 in/17.12 cm	.96	.45	.99	.45
22-796689	Latch Holder	15.0 in/38.1 cm	4.1	1.9	4.6	2.1
22-798027	Damage Control Spanner	13.23 in/33.60 cm	.55	.25	.58	.26



# PARATECH®

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# PARATECH

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