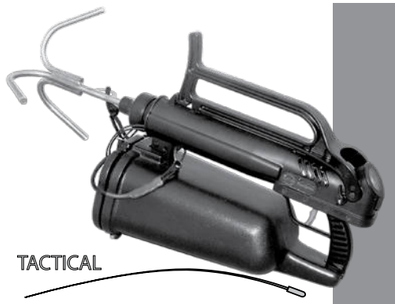


TACTICAL ResQmax™

*the NEW Generation*

The Tactical ResQmax™ is a new generation line-throwing appliance specifically designed to deploy a line only, a grappling hook and climbing line, or a grappling hook and ascending ladder to an otherwise inaccessible point in both land-based and maritime environments without putting the operator at risk.

- ☐ Utilizing a patented* air-thrust technology, the ResQmax is non-pyrotechnic, re-usable, and re-fillable.
- ☐ Launcher Assembly housings are injection molded from polycarbonate, for high impact resistance.
- ☐ 3000 psi / 207 bar service pressure projectiles

*Tactical ResQmax Kits are recommended basic configurations tailored for your intended use. Additional lines, projectiles, and accessories can be purchased separately. Custom Kit configurations are also available.*

## ▶ MAXimum Distance

The Tactical ResQmax is capable of deploying a standard line up to 328 feet / 100 meters with the standard projectile depending on the service pressure, weight of line and type of projectile used. Distances of over 400 feet / 120 meters can be achieved using customized line options.

## ▶ MAXimum Safety

- ☐ The safety mechanism is "always on," re-setting automatically when a projectile is inserted.
- ☐ The projectile's "Push-Click" engagement allows easy reloading, even in the dark.
- ☐ A pressure relief burst disk prevents unsafe pressure build-up that could result from exposure to extreme heat.

## ▶ MAXimum Performance

**Multi-Shot Capacity.** Our patented *nozzle-valve* permits any number of projectiles to be precharged and stored with the unit, allowing deployment of multiple projectiles in rapid succession.

## ▶ MAXimum Ease of Use

The ResQmax Filler System is equipped at each end with a "quick connect" for an easy and safe connection to the Projectile to be filled and to the compressed air source as well.

■ **Line Projectile**
The line projectile will deploy a variety of lines over a range of distances, depending on the service pressure and the type of line used.

■ **Training Projectile**
These projectiles are designed for training or repeated use when deploying a line from the launch point to a hard surface such as 'ship-to-ship' line deployment. The protective cover is made of low-recoil urethane material, providing protection for the projectile and reducing projectile 'bounce' on arrival. Available in red or luminous.

■ **Climbing Line**
Standard Rope sizes come in diameters of 5.5, and 7.0. All climbing lines are black and come packaged in a compact line container. End-user specified ropes with specific diameters are available upon request.

■ **Tactical Ladder**
Lightweight, durable, and acoustically covert. Constructed of nylon webbing with fiberglass rungs at 12 in/30 cm o.c., this ladder is available in 50ft/15m or 65ft/20m lengths that can be fully deployed vertically. Side members have a combined breaking strength of 4,800lbs/2,180kg.
* Custom lengths available

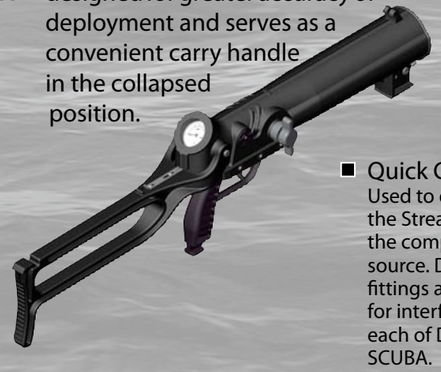
■ **Climbing Grappling Hook**
A fixed hook with three non-barbed tines is fabricated from titanium. This hook is dipped in Polyethylene based Thermoplastic (EFEX) to reduce signature noise. This hook is certified for climbing.

■ **Cordura Kit Carry Bag**
Cordura fabric carry bag is designed for durability and convenience. Features 2 external & 1 internal zippered storage pockets and a reinforced water-resistant vinyl bottom.

■ **"Pelican" Transport/Storage Case**
An unbreakable, watertight, dust proof, chemical resistant and corrosion proof transport/storage case made of Ultra Impact structural copolymer.

■ **Launcher Barrel**
Made from heavy duty polycarbonate, this launcher has high impact resistance and features a safety mechanism to prevent accidental discharge

■ **Folding Stock**
A 12 in / 30 cm folding stock is designed for greater accuracy of deployment and serves as a convenient carry handle in the collapsed position.



■ **Quick Connect/Disconnect Fittings**
Used to easily and quickly connect/disconnect the Streamline Filler Hose Assembly to/from the compressed air source. Different fittings are available for interface with each of DIN, SCBA, SCUBA.

Tactical ResQmax Kits

# STANDARD KITS

| DESRIPTION & PART NUMBERS | |
|---|---|
| **Kit 450 - Tactical ResQmax Climbing Line Thrower** | |
| 1 - Part #520 | Black Launcher with Folding Stock |
| 2 - Part #300-S | Streamline Projectile (w/ 2 spare covers) - 3000psi |
| 1 - Part #801 | 5780lb test 7mm Black Climbing line (165ft/50m) w/ Compact Line Container |
| 1 - Part #802 | 3200lb test 5.5mm Black Climbing line (328ft/100m) w/ Compact Line Container |
| 1 - Part #750 | Heat Treated Titanium Climbing Grappling Hook |
| 1 - Part #60402-S | Streamline Nozzle Protector - 5 pk. |
| 1 - Part #714 | O-ring Kit - 10 pk (Various) |
| 1 - Part #715 | Corrosion Block |
| 1 - Part #721 | Tactical ResQmax Operator's Manual |
| 1 - Part #726 | Tactical ResQmax Training CD |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCBA-DIN) |
| 1 - Part #906 | Cordura Kit Carry Bag - Black |
| **Kit 452 - Tactical ResQmax Climbing/Ascending Grapnel Launcher** | |
| 1 - Part #520 | Black Launcher with Folding Stock |
| 2 - Part #300-S | Streamline Projectile (w/ 2 spare covers) - 3000psi |
| 1 - Part #801 | 5780lb test 7mm Black Climbing line (165ft/50m) w/ Compact Line Container |
| 1 - Part # 735 | Standard Ladder - 40ft/12m w/ Large Line Container |
| 1 - Part #750 | Heat Treated Titanium Climbing Grappling Hook |
| 1 - Part #60402-S | Streamline Nozzle Protector - 5 pk. |
| 1 - Part #714 | O-ring Kit - 10 pk (Various) |
| 1 - Part #715 | Corrosion Block |
| 1 - Part #721 | Tactical ResQmax Operator's Manual |
| 1 - Part #726 | Tactical ResQmax Training CD |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCBA-DIN) |
| 1 - Part #906 | Cordura Kit Carry Bag - Black |
| **Kit 457 - Tactical ResQmax Method of Entry Grapnel Launcher** | |
| 1 - Part #520 | Black Launcher with Folding Stock |
| 2 - Part #300-S | Streamline Projectile (w/ 2 spare covers) - 3000psi |
| 1 - Part #801 | 5780lb test 7mm Black Climbing line (165ft/50m) w/ Compact Line Container |
| 1 - Part # 744 | Tactical Ladder - 50ft/15m w/ Compact Line Container |
| 1 - Part #750 | Heat Treated Titanium Climbing Grappling Hook |
| 1 - Part #60402-S | Streamline Nozzle Protector - 5 pk. |
| 1 - Part #714 | O-ring Kit - 10 pk (Various) |
| 1 - Part #715 | Corrosion Block |
| 1 - Part #721 | Tactical ResQmax Operator's Manual |
| 1 - Part #726 | Tactical ResQmax Training CD |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCBA-DIN) |
| 1 - Part #906 | Cordura Kit Carry Bag - Black |
| **Kit 458 - Tactical ResQmax Combo Grapnel Launcher** | |
| 1 - Part #520 | Black Launcher with Folding Stock |
| 2 - Part #300-S | Streamline Projectile (w/ 2 spare covers) - 3000psi |
| 1 - Part #801 | 5780lb test 7mm Black Climbing line (165ft/50m) w/ Compact Line Container |
| 1 - Part #802 | 3200lb test 5.5mm Black Climbing line (328ft/100m) w/ Compact Line Container |
| 1 - Part # 744 | Tactical Ladder - 50ft/15m w/ Compact Line Container |
| 1 - Part #750 | Heat Treated Titanium Climbing Grappling Hook |
| 1 - Part #60402-S | Streamline Nozzle Protector - 5 pk. |
| 1 - Part #714 | O-ring Kit - 10 pk (Various) |
| 1 - Part #715 | Corrosion Block |
| 1 - Part #721 | Tactical ResQmax Operator's Manual |
| 1 - Part #726 | Tactical ResQmax Training CD |
| 1 - *Select* | Streamline Filler Hose (#911-S SCBA; #912-S SCUBA; #913-S SCBA-DIN) |
| 1 - Part #906 | Cordura Kit Carry Bag - Black |

*Custom Kits available upon request.

# Technical Specifications - Tactical ResQmax

| Tactical ResQmax Launcher Part # 520 | | |
|---|---|---|
| **Specification** | **Measurement** | |
| Length (Folding Stock Closed) | 16.8 in | 42.5 cm |
| Length (Folding Stock Open) | 28.7 in | 72.9 cm |
| Height (Folding Stock Closed) | 13.2 in | 21.6 cm |
| Height (Folding Stock Open) | 8.5 in | 33.5 cm |
| Barrel Width | 3.4 in | 8.6 cm |
| Weight | 3.4 lbs | 1.5 kg |
| Launcher Housing | Polycarbonate | |
| Color | Black | |
| Shape | Irregular | |
| Internal Mechanism | Stainless Steel | |

| Filler Hose Assembly Part # 911-S; 912-S; 913-S | | |
|---|---|---|
| **Specification** | **Measurement** | |
| Overall Length | 42.8 in | 108.6 cm |
| Hose Diameter | 0.5 in | 1.3 cm |
| Total Weight | 2.2 lbs | 1.0 kg |
| Overall Service Rating | 5,000 psi | 345 bar |
| Hose Material | Nylon and Aramid Fiber | |
| Hose Finish | Black Urethane | |
| Filler Block Material | 6061-T6 Aluminum | |
| Filler Block Finish | Black Anodized | |
| Bleed Screw | Stainless Steel & Nylon | |
| Adapters (DIN, SCBA, SCUBA) | Stainless Steel | |

**Projectiles**

| Part # | Part Description | Length | | Diameter | | Weight | | Cover Material | Color |
|---|---|---|---|---|---|---|---|---|---|
| | | in | cm | in | cm | lbs | kg | | |
| 300-S | Standard Projectile | 13.4 | 34.0 | 2.38 | 6.03 | 1.8 | 0.8 | Polyethylene | Black |
| 301-S | Sling Projectile | 23.5 | 59.7 | 2.38 | 6.03 | 2.8 | 1.3 | Polyethylene | Red |
| 305-S 306-S | Training Projectile | 13.7 | 34.9 | 2.28 | 5.79 | 1.9 | 0.9 | High Density Urethane | Red or Luminescent |
| Projectile Cylinders material: 6061-T6 Al with black powder-coat finish. Service Pressure: 3,000 psi / 207 bar. | | | | | | | | | |
| Nozzle Assembly material: Stainless Steel. Nozzle Protectors material: Glass-Filled urethane. Color: Black | | | | | | | | | |

**Grappling Hook**

| Part # | Material | Length | | Width | | Minimum Break Load | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | in | cm | in | cm | lbs | kg | lbs | kg |
| 750 | 6AL-4V Grade 5 Ti. | 12.0 | 30.5 | Irregular | | 2,200 | 1,000 | 1.5 | 0.7 |
| Safe working load: 730 lbs / 330 kg. Grappling Hook Nose Cone material: of Glass-Filled urethane. | | | | | | | | | |

**Ladder Options**

| Part # | Material | Length | | Width | | Minimum Break Load | | Weight per Length | |
|---|---|---|---|---|---|---|---|---|---|
| | | ft | m | in | cm | lbs | kg | lbs | kg |
| 735 | Nylon with Elastomer Rungs | 40 | 12 | 6.5 | 15.5 | 7,500 | 3,400 | 5.2 | 2.4 |
| 744 | Nylon with Fiberglass Rungs | 50 | 15 | 6.0 | 15.2 | 4,800 | 2,180 | 5.8 | 2.6 |
| Safe working load: 730 lbs / 330 kg. Fiberglass Rungs are covered with non-slip Neoprene jacket. | | | | | | | | | |
| Line Containers material: Polyethylene with Stainless Steel hinges. Shape: Irregular. Color: Black. | | | | | | | | | |
| Compact Line Container weight: 1.8 lbs / 0.8 kg. Large Line Container weight: 2.9 lbs / 1.3kg. | | | | | | | | | |

**Rope Options**

| Part # | Material | Length | | Diam | Specific Gravity | Minimum Break Load | | Weight per Length | |
|---|---|---|---|---|---|---|---|---|---|
| | | ft | m | mm | | lbs | kg | lbs | kg |
| 801 | HMPE and Nylon | 165 | 50 | 7 | >1 | 5,780 | 2,622 | 4.3 | 2 |
| 802 | HMPE and Nylon | 330 | 100 | 5.5 | >1 | 3,200 | 1,194 | 5.2 | 2.6 |
| 803 | Spectra | 500 | 152 | 4 | <1 | 1,500 | 680 | 1.75 | 0.8 |
| 804 | Spectra | 500 | 152 | 6 | <1 | 3,000 | 1,360 | 3.5 | 1.6 |
| 805 | Dacron | 500 | 152 | 3 | >1 | 500 | 225 | 1.95 | 0.9 |
| 806 | Polyspectra | 300 | 92 | 8 | <1 | 2,200 | 1,000 | 4.8 | 2.2 |
| 808 | Polypropylene | 328 | 100 | 6 | <1 | 1,100 | 500 | 3.1 | 1.4 |
| Line Containers material: Polyethylene with Stainless Steel hinges. Shape: Irregular. Color: Black. | | | | | | | | | |
| Compact Line Container weight: 1.8 lbs / 0.8 kg. Large Line Container weight: 2.9 lbs / 1.3kg. | | | | | | | | | |

**Bags and Cases**

| Part # | Part Description | Length | | Width | | Height | | Weight | |
|---|---|---|---|---|---|---|---|---|---|
| | | in | cm | in | cm | in | cm | lbs | kg |
| 908 | Kit Bag | 28.0 | 70.0 | 14.0 | 35.0 | 16.0 | 41.0 | 2.3 | 1.0 |
| Kit Bags material: 1,000-Denier Cordura, waterproof Vinyl, and Nylon. Color: Black with reflective markings. | | | | | | | | | |
| 908 | Pelican Case - Small | 31.59 | 80.2 | 20.47 | 52.0 | 12.45 | 31.6 | 29.3 | 13.3 |
| 909 | Pelican Case - Large | 31.59 | 80.2 | 22.99 | 58.4 | 19.48 | 49.5 | 37.7 | 17.1 |
| Pelican Cases material: Copolymer with Black finish. | | | | | | | | | |

**Please Note: All values are displayed as maximum, external measurements.*

320 SE Bridgeford Blvd #4
Bend, OR 97702
Tel: 541.504.9300

info@resqmax.com

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WWW.RESQMAX.COM

***MAXimum Distance.***

***MAXimum Safety.***

***MAXimum Performance.***

TACTICAL

# ResQmax™

***the NEW Generation***

***"The Global Leader in intrinsically safe line-throwing equipment"***