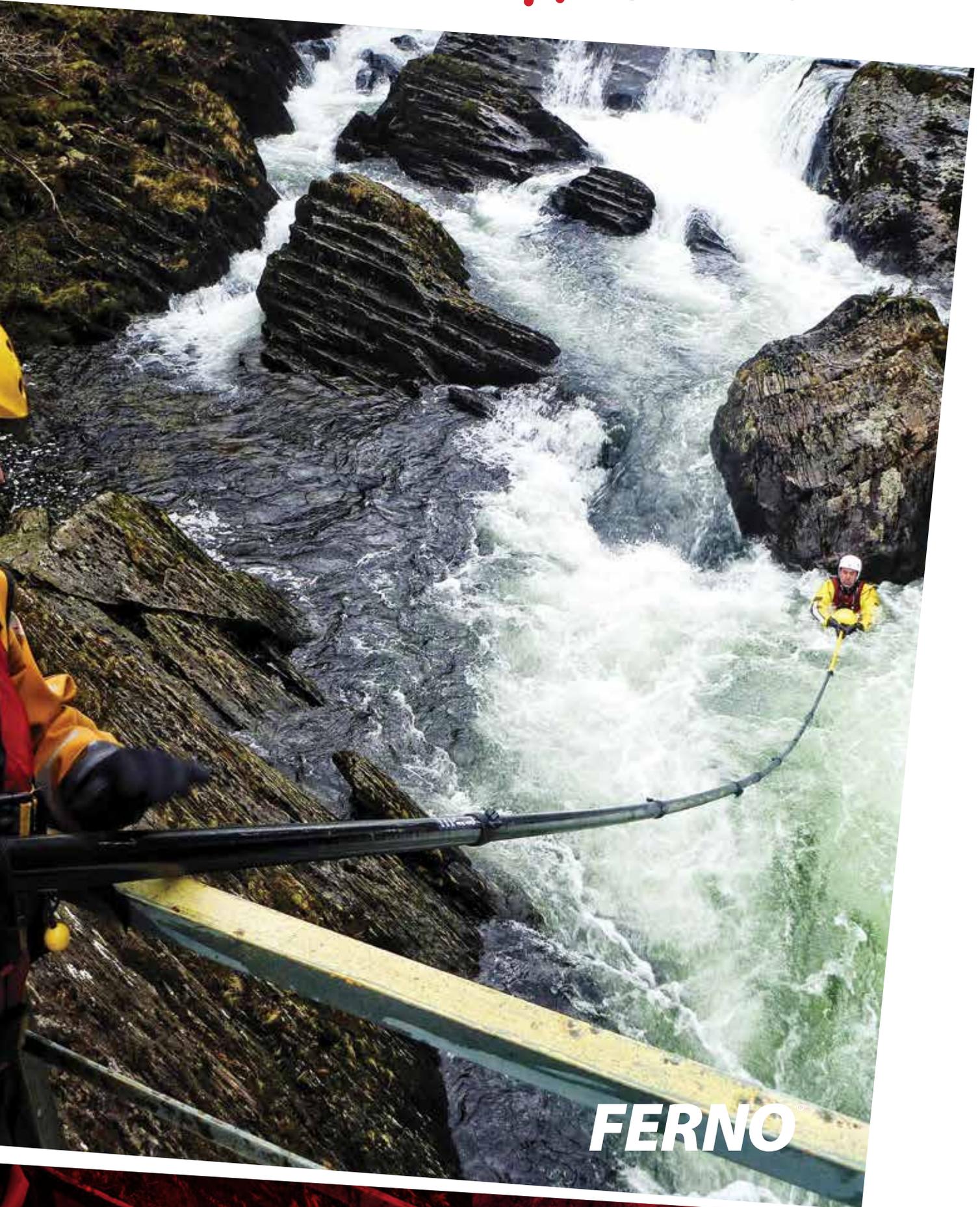




Reach and Rescue
Long Reach Telescopic Rescue Pole



FERNO



USER REVIEW

Warwickshire Fire & Rescue are now in the process of training all operational staff in the use of Long Reach Telescopic Poles as supplied by Reach and Rescue. The decision to equip all front line appliances with rescue poles was taken after a comprehensive program of trials and subsequent development.

We have now arrived at a position where this product substantially enhances the rescue capability of fire crews and reduces

the need to plan and train for firefighters entering water to attempt rescues.

The method of effecting rescues with this device has greatly improved the chances of rescue, and enhanced Firefighter safety, by ensuring that the need for entry into water has been minimised.

Group Commander Service Support
Simon Ellershaw
Warwick Fire & Rescue Services

THE REACH AND RESCUE ADVANTAGE

- Longest and most successful rescue pole system in the world
- Safer for the operator
- Quickly and accurately deployed
- Low skilled technique
- Fast retrieval of victim
- Adaptable to many situations
- Low maintenance
- Wide range of tools and flotation devices for every scenario

LIFETIME GUARANTEE

- If a pole and parts are damaged during an actual live rescue, Reach and Rescue guarantee to replace the parts or poles free of charge.
- Full warranty details at www.ferno.com.au



Reach and Rescue

Long Reach Telescopic Rescue Pole

Rescues are speedier, safer for operators and more efficient with a Reach and Rescue Pole.

The Reach and Rescue System has been designed by UK-based Reach and Rescue Ltd to speed up rescues and improve the operator's safety and capability at water, ice, mud and flood related incidents.

The Reach and Rescue pole is a telescopic device that extends and contracts. The 'rescue-end' of the pole is fitted with a metal collar to which flotation/retrieval tools are securely attached.

The pole is deployed using a directional rescue method enabling quick and accurate deployment of a flotation or rescue device to a casualty in the shortest time possible. Significantly more accurate than the throw bag procedure, the Reach and Rescue pole saves critical minutes particularly in challenging scenarios.

Poles are constructed in a telescopic design from either fibre glass or ultra-light carbon fibre and are fitted with adjustable clamps that releases each section for smooth and fast extension and retraction. Poles come in a variety of extendable lengths starting from 5 m through to the largest extended length of 17 m.

Despite their incredibly long reach, Reach and Rescue poles measure a portable and manageable 1.8 m – 2.4 m in length when they are collapsed for storage or transport.

From an operational perspective, the system is exceptionally versatile thanks to its large selection of flotation, retrieval and access attachments. With attachments ranging from snares and grappling hooks to underwater inspection cameras and trigger blades for lopping branches, the Reach and Rescue Pole is indispensable for on water, under water, on ice, mud, confined spaces, up trees and height access scenarios.

Attachments are available in kits or individually, enabling you to expand the capabilities of your Reach and Rescue System in harmony with your needs and budget.



Reach and Rescue Pole components have been rigorously tested and certified by LEEA and complies with the requirement of the lifting operations and lifting equipment regulations 1998.

MARKETS SERVED:

- Fire and Rescue Services
- Military
- Police and Ambulance Services
- Animal Rescue
- Offshore Installations
- Industrial Height Safety
- Mining and Oil Rigs
- Marinas, Ports and Harbours
- Maritime
- Waterways

Poles



Reach and Rescue Poles

All the rescue poles are made in a telescopic design and constructed from either fibreglass multi-layered composite or high modulus carbon fibre multi-layered composite. Both are strong, but the carbon fibre poles are strongest and weigh 20 - 30% lighter than the fibreglass poles while maintaining a greater rigidity.

Each pole features a precision engineered snap-on head assembly, high visibility end section, fail safe rope to ensure pole remains intact when extended and strong quick release adjustable clamps.

POLE LENGTH & MATERIAL	CODE	COLLAPSED LENGTH	WEIGHT	FLOAT REQUIRED
5 m Standard Fibreglass	RRPS	1.8 m	2.1 kg	No
9 m Ultra light Carbon Fibre	RRUP9	2.1 m	3.1 kg	Yes
13 m Ultra light Carbon Fibre	RRUP13	2.4 m	4.7 kg	Yes
17 m Ultra light Carbon Fibre	RRUP17	2.6 m	5.2 kg	Yes

Attachments



Clamping Float

The Clamping Float is the main flotation device for use with the Reach and Rescue Pole system. Its main function is to support the pole on the surface of the water. The float can also act as an individual body buoyancy aid.

How to Use

Extend the yellow top section of the Reach and Rescue pole and insert the pole through the blue collar on the end of the float. Turn the yellow locking sleeve anti-clockwise to secure the float in place. To remove, reverse the process.



Boat Hook

The Boat Hook is used to push or pull boats towards or away from a landing. It is also used to pick up a mooring.

How to Use

Attach the boat hook by sliding it on to the pole's gold collar. This will secure into place with the spring buttons.

Extend the pole to desired length and use accordingly.



Body Hook

The Body Hook is used for retrieving conscious or unconscious victims and bodies away from water. The large hook means no involvement from the victim is necessary.

How to Use

Attach the Body Hook by sliding it on to the Reach and Rescue pole's gold collar. The spring buttons on the pole's collar will secure the Body Hook in place.

Extend the pole to desired length and hook the Body Hook around the victim's waist to retrieve.



Carrago

The Carrago attaches a fixed line and karabiner to a distant eyelet allowing heavy retrieval and is often used for fall arrest and water rescues. It is used to reach down, across or upwards to any securing point on the target such as a harness eyelet. To be used safely in conjunction with a davit winch.

How to Use

Secure the Carrago to the pole's gold collar. Attach a tagline to the karabiner. Insert the karabiner into the Carrago. Keep hold of the tagline while extending the pole to enable the Carrago to reach the target. Hook the karabiner to any securing point on the target such as a harness D ring or attachment point. Once the target is hooked, pull the pole away from the target. This action releases the karabiner from the pole leaving a secure line for retrieval of the object or person.



Centre Punch

The Centre Punch breaks glass simply by pushing against the glass. Used in conjunction with the Line Hook for rescues from submerged vehicles without needing to deploy boats to the water.

How to Use

Attach the Centre Punch to the gold collar. Once it is securely attached, extend the Reach and Rescue pole to the desired length.

Push the pole forward, forcing the sprung Centre Punch to break the glass.



Line Hook

The Line Hook is used for attaching a line to a fixed point either at height or across water. Applications are wide ranging and include:

- Offshore rigs and salvage operations
- Hands off line attachment in hazardous condition with damaged or volatile structures above and below water, or overhead
- Making fast on mooring buoys or roving additional safety lines
- Below sea level salvage work
- Tree surgery for safety or climbing lines

How to Use

Attach a line to the eyelet of the karabiner. Attach the Line Hook by sliding it on to the pole's gold collar and secure in place with the spring buttons.

- **Approach** - with the claw point and push through the structure
- **Engaged** - the cross bar snaps shut
- **Installed** - by pulling back the pole, the line threads around the structure

PRODUCT	CODE	LENGTH	WIDTH	WEIGHT	MATERIAL	OTHER
CLAMPING FLOAT	RRF	300 mm	200 mm diameter	800 g	Plastic coated foam	Yellow colour
BOAT HOOK	RRBH	190 mm	80 mm	300 g	Stainless steel	
BODY HOOK	RRBHK	500 mm	420 mm opening	328 g	Aluminium	
CARRAGO	RRCO	220 mm	100 mm	700 g	Stainless steel / Aluminium	25 mm Karabiner gate opening
CENTRE PUNCH	RRCP	150 mm			Mild steel	
LINE HOOK	RRLH	190 mm	390 mm (W) 35 mm (D)	824 g	Stainless steel	



Chimney Extinguisher

To extinguish chimney fires from the ground, outside the building. Water is pumped up the external hose and sprays downwards via a rose fitting onto the fire. This eliminates the need to enter the building to extinguish chimney fires.

How to Use

Attach the Chimney Extinguisher to the pole's gold collar, secure and extend the pole to the desired length. Turn on the water supply and direct water into the chimney.



Container Release

The Container Release attachment is used for releasing the mechanism which locks stacked containers together to enable containers to be separated for transport. This eliminates the need for personnel to work at height, saves time and reduces the risk of crane accidents.

How to Use

Secure the Container Release attachment to the pole. Extend the pole to the required length. Place the attachment over toggle and gently pull to release the container that is stacked.



Crook

Based on the traditional 'shepherd crook' design, the Reach and Rescue Crook easily hooks on to the casualty. A durable hooking tool, it is suitable for human, animal and general retrieval.

How to Use

Attach the Crook by sliding it on to the Reach and Rescue pole's gold collar. The spring buttons on the pole's collar will secure it in place.

Extend the pole to desired length and engage with the casualty to retrieve.



Flotation Collar

This is a buoyancy aid designed to capture and automatically tighten around a casualty in the water. Suitable for human or animal rescues, the collar can also be used for vertical lifting while providing a cushioned hold.

How to Use

Fit the Flotation Collar's sleeved fitting over the gold pole top fitting and secure in place. A second line is attached to the main collar metal eye to aid heavy lifting. The device floats to facilitate easy access to the casualty.



GoPro Adaptor

The GoPro Adaptor attaches directly to all GoPro cameras to provide up-close viewing of scenarios at height, over a distance or underwater.

How to Use

Attach a GoPro camera to the Adaptor. Attach the GoPro Adaptor to the gold collar of the Reach and Rescue pole, then extend the pole to the desired length.



Grappler

The Grappler is considered the best body or object retrieval tool after the Crook. The ends are blunt to cause minimum damage. The Grappler is particularly useful for retrieving unusual shaped objects where maximum engagement is critical.

How to Use

Secure the Grappler to the pole's gold collar and secure. Use by extending the pole to the casualty with or without the clamping float (depending on distance).

Once engaged, normal procedure applies.



Underwater Inspection Camera

The Underwater Inspection Camera is used for searching underwater. A powerful LED torch is incorporated to illuminate murky waters. The 420 TV line resolution colour CCD camera is rated waterproof to IP68 and features a 1/3" Sony CCD sensor with 1350 wide angle with DVR feature. The Underwater Inspection Camera utilises a powerful, rechargeable Lithium Ion battery and displays via a clear 7 inch TFT display screen.

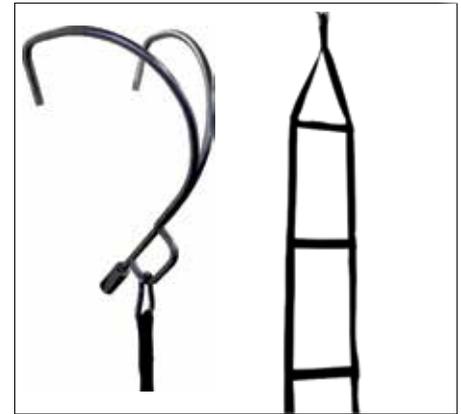
How to Use

The device is fitted over the pole's gold collar and secured in place via the double sprung button mechanism. Extend the pole and begin use.



Kit Bag

For storing all Reach and Rescue pole attachments or other rescue tools. Drawstring opening for quick release.



Ladder & Grappler

The metal grappler iron is attached to the Reach and Rescue pole and the ladder is connected to the base of the Grappler. As the pole is extended, it raises the Ladder and Grappler attachment.

The grappler hooks on to a window ledge or wall and provides anchorage for the ladder. The sturdy ladder is constructed from woven polyester webbing reinforced with carbon fibre rungs that are fully supported within the vertical webbing.

Ladders are available at both single rung (200 mm width) and double rung (390 mm width) options. The double rung is faster, more stable and more comfortable to climb. The standard ladder is black and double ended reversible. Available in 10, 15 and 20 m lengths.

PRODUCT	CODE	LENGTH	WIDTH	WEIGHT	MATERIAL	OTHER
CHIMNEY EXTINGUISHER	RRCE					
CONTAINER RELEASE	RRCONT	275 mm	110 mm	400 g	Stainless steel	
CROOK	RRCK	320 mm	125 mm mouth	290 g	Stainless steel	
FLOTATION COLLAR	RRFC	450 mm opening diameter		700 g	Stainless steel Webbing/Foam insert w nylon coating	
GoPro ADAPTOR	RRGPRO	110 mm	30 mm	100 g	Aluminium	
GRAPPLER	RRGP	290 mm	120 mm hook radius 230 mm across 2 hooks	550 g	Stainless Steel	
UNDERWATER INSPECTION CAMERA	RRPROCAM	500 mm (box)	430 mm (box) 200 mm depth (box)	10.2 kg		Cable length: 20, 30 or 40m optional. Refer Data Sheet for full component specifications
KIT BAG	RRKB	730 mm	480 mm		Waterproof nylon, high-vis, high durability netting	
LADDER & GRAPPLE	RRLGP					
• Grappler component		470 mm	290 mm between claws	1.4 kg	Stainless steel	
• Ladder component		10 m / 15 m 20 m	200 mm single rung 390 mm double rung		Polyester webbing/carbon fibre rods	



Pole Bag

Pole Bags vary in size depending on the pole length it is intended for. Velcro flaps close the bag keeping the Reach and Rescue pole protected from dirt, dust and grime ensuring consistent performance.



Pro Spring Snare

The tool is designed to quickly ensnare an in-animate object or when the operator has no cooperation from the target eg. an animal, unconscious human

How to Use

Secure the Snare attachment to the pole. Extend the pole to the required length. Place the target inside the loop then tug lightly on the pole to release the snare. and allow it to retract to the size of the target. The snare requires resetting after each snaring due to its spring-loaded design.



Rescue Net

The Rescue Net's sturdy, robust and light-weight qualities make it ideal for the safe rescue of small animals. The net's soft mesh is knotless and ideal for catch and release applications.

How to Use

Attach the Rescue Net by sliding it on to the Reach and Rescue pole's gold collar. The spring buttons on the pole's collar will secure it in place.

Extend the pole to desired length and scoop up the casualty to retrieve.



Rope Blade

For use where a rope or line needs to be severed. Also used to cut other materials such as harnesses, strapping, fishing wire and netting. Holds a standard Stanley knife blade.

How to Use

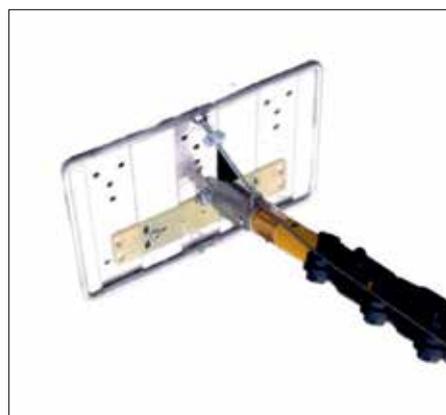
Fit the Rope Blade's sleeved fitting over the gold pole top fitting and secure in place.

Extend pole to required length and place over material to be cut then pull down with the pole. The blade can be replaced once worn or blunt.



Rescue Throwbag

The Rescue Throwbag is tossed to a casualty to enable him or her to grab the rope and be pulled to safety. The throwbag is available with a choice of 20m, 25 m or 30 m rope and can be used from land, boat or any stable platform.



Sonar Search Frame

The Sonar Search Frame enables a sonar to be attached to the Reach and Rescue Pole and submerged for underwater searches where an ROV may have difficulty.

How to Use

Screw the sonar (not provided) onto the moveable frame attachment using the universal screw holes. Secure the Sonar Search Frame to the Reach and Rescue Pole. Submerge the sonar underwater using the integrated metal wire to adjust the frame's tilt as desired. View your findings via the sonar monitor (not provided).



Rescue Raft

The single seat raft is designed for use in demanding, extreme conditions. It can be used with or without the aid of a Reach and Rescue Pole. The raft has a world-leading hull design that produces exceptional in-water stability in even the harshest conditions. Made from cutting edge, marine-approved components and fabrics, the raft's ultra-compact design makes it the smallest and lightest one-person raft in the world.

Raft features high-vis grab handles, buddy line, Solas retroreflective tape, dipped seat design for superior stability, rear lumbar support, oral tube, durable polyurethane coated nylon buoyancy tubes. When packed in its tiny integrated soft case, the raft fits in the tightest of spaces.

Options include manual or automatic inflation systems, with or without canopy.



Scaff Hook Carrago

The Carrago attaches a fixed line and double action hook to a distant eyelet to facilitate heavy retrieval. This is a large but lightweight tool for wider diameter anchor points and to be used with poles over 13 m.

How to Use

Secure the Carrago to the pole's gold collar. Attach a tagline to the double action hook's release lever. Insert the hook into the Carrago. Keep hold of the tagline while extending the pole to enable the Carrago to reach the target. Hook the double action hook to any securing point on the target such as a harness D ring or attachment point. Once the target is hooked, pull the pole away from the target. This action releases the double action hook from the pole leaving a secure line for retrieval of the object or person.



Trigger Blade

The Trigger Blade allows the operator to cut or saw branches or wires located above head height while staying on the ground.

The tool's double compound action pulley makes cutting easier from a distance.

How to Use

Secure the Trigger Blade attachment to the pole. Extend the Reach and Rescue pole to the desired length. Use the pulley to cut the desired material with ease.

PRODUCT	CODE	LENGTH	WIDTH	WEIGHT	MATERIAL	OTHER
POLE BAG	RRPB	Variable sizes to suit 5/9/13/17 m poles				Nylon
PRO SPRING SNARE	RRPS		420 mm opening	350 g	Stainless steel	
RESCUE NET	RRRNET		508 mm diameter			177 mm handle
ROPE BLADE	RRRB	450 mm opening diameter		700 g	Stainless steel Webbing/Foam insert w nylon coating	
ROPE BLADE	RRRB	60 mm blade mouth	30 mm depth	200 g	Aluminium	
RESCUE THROWBAG	RRTB2		350 mm open mouth diameter	500 g		Available rope lengths: 20 m, 25 m or 30 m floating rope
SONAR SEARCH FRAME	RRSO					Bespoke product, made to measure
RESCUE RAFT	RRRERA					Various options available
SCAFF HOOK CARRAGO	RRLCO	250 mm	165 mm	800 g	Stainless Steel/ Aluminium	Double Action Hook gate opening: 50 mm
TRIGGER BLADE	RRTB	375 mm	85 mm	619 g	14" Steel saw blade / 1¼" non-stick cutting lopper blade	



Wading Pole Handle

The Wading Pole Handle turns a collapsed 5 m, 9 m or 13 m pole into a strong wading pole.



Wading Pole

The Wading Pole is used to gauge depth and as a stability aid when wading through unknown terrain and deep waters.



Water Activated Flashlight

The Flashlight attaches to the Flotation Collar or clipped to a PFD. It automatically activates when water sensors come in contact with water and emits a bright, blinking light. The Flashlight can be manually switched on and off while in the water.



Window Smasher

The Window Smasher is designed to smash an elevated building window to ventilate a room prior to rescue teams or fire fighters entering the building.

PRODUCT	CODE	LENGTH	WIDTH	WEIGHT	MATERIAL	OTHER
WADING POOL HANDLE	RRWPH	100 mm	209 mm	265 g	Stainless Steel	
WADING POLE	RRWP	1800 mm	OD: 32 mm	1.1 kg	Fiberglass pole Plastic coated steel handle	
WATER ACTIVATED FLASHLIGHT	RRFL	60 mm	35 mm (W) 20 mm (D)	28 g	Plastic	Flash frequency 50-70/minute Power supply: 10 hours Lithium battery Light colour: white
WINDOW SMASHER	RRWS	220 mm	150 mm	800 g	Stainless steel	

Information correct at time of printing. The manufacturer reserves the right to amend specifications as components are refined and continually improved. For up to date specifications, check the Reach and Rescue product page on Ferno Australia's website: www.ferno.com.au

Reach and Rescue Pole Kit



Animal Rescue Pole Kit



Offshore Pole Kit



REACH & RESCUE POLE KIT	CODE	COLLAPSED LENGTH	WEIGHT	FLOAT REQUIRED
5 m Standard Fibreglass	RRP5	1.8 m	2.1 kg	No
9 m Ultra light Carbon Fibre	RRUP9	2.1 m	3.1 kg	Yes
13 m Ultra light Carbon Fibre	RRUP13	2.4 m	4.7 kg	Yes
17 m Ultra light Carbon Fibre	RRUP17	2.6 m	5.2 kg	Yes
KIT INCLUSIONS				
1 x Pole	1 x Clamping Float	1 x Crook	1 x Pro-Snare	1 x Flotation Collar
1 x Carrago	1 x Grappling Hook	1 x Kit Bag	1 x Pole Bag	

ANIMAL RESCUE POLE KIT	CODE	COLLAPSED LENGTH	WEIGHT	FLOAT REQUIRED
5 m Standard Fibreglass	RRP5AN	1.8 m	2.1 kg	No
9 m Ultra light Carbon Fibre	RRUP9AN	2.1 m	3.1 kg	Yes
13 m Ultra light Carbon Fibre	RRUP13AN	2.4 m	4.7 kg	Yes
17 m Ultra light Carbon Fibre	RRUP17AN	2.6 m	5.2 kg	Yes
KIT INCLUSIONS				
1 x Pole	1 x Clamping Float	1 x Crook	1 x Pro-Snare	1 x Rescue Net
1 x Rope Blade	1 x Trigger Blade	1 x Kit Bag	1 x Pole Bag	

OFFSHORE POLE KIT	CODE	COLLAPSED LENGTH	WEIGHT	FLOAT REQUIRED
5 m Standard Fibreglass	RRP5OS	1.8 m	2.1 kg	No
9 m Ultra light Carbon Fibre	RRU9OS	2.1 m	3.1 kg	Yes
13 m Ultra light Carbon Fibre	RRUP13OS	2.4 m	4.7 kg	Yes
17 m Ultra light Carbon Fibre	RRUP17OS	2.6 m	5.2 kg	Yes
KIT INCLUSIONS				
1 x Pole	1 x Clamping Float	1 x Body Hook	1 x Boat Hook	1 x Line Hook
1 x Flotation Collar	1 x Scaff Hook Carrago	1 x Rescue Net	1 x Kit Bag	1 x Pole Bag

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Distributor



Australian Head Office

11 Johnstone Road
Brendale Qld 4500
Australia

Call toll free

1800 804 647

p +61 7 3881 4999

f +61 7 3881 1125

VIC

18 Damosh Avenue
Carrum Downs VIC 3201

p +61 3 9775 1260

f +61 3 9775 1360

WA

22 Casella Place
Kewdale WA 6105

p +61 8 9353 2300

f +61 8 9353 1169

www.ferno.com.au

