

# RESTECH NORWAY AS

---

**PLT® PNEUMATIC LINE THROWERS**

**Entering Solutions**



# A Global Provider of Line Throwers

**Restech Norway** is the manufacturer of the Pneumatic Line Thrower PLT® and related high precision rescue and line throwing devices.

**Our products** are well known and recognized all over the world among users that needs a precise line-throwing tool. Both as a rescue tool and a working tool.

## Some of our users

Coast Guards

Marine Special forces

Ocean Research

Navy

Special forces

Offshore activities

Sea Rescue Organizations

FPSO-installations

Marine Police

Fire Brigades



Restech Norway AS was established in 1989 by an officer from the Life Saving Organization. Our main office is located in Bodø, a small city above the Arctic Circle in Norway.



Pneumatic Line Throwers

[RESTECH NORWAY AS](http://www.restech-norway.com)

# PLT® Basic Devices

## The Big PLT®

Launching distances up to 250m

4-6 multiple shots

Complies with IMO/SOLAS regulation

Heavy duty launcher



## The PLT® Mini

High maneuverability

Shot from shoulder

Medium range operations



# PLT® Big Launching Unit

The Big PLT® consist of a launching unit, several types of projectiles and 3 types of launching tubes

## Launching Unit

The launching unit contains a built-in air cylinder for filling of compressed air up to 200/300 bars (2900/4350psi).

This is sufficient for 4/6 shots before refilling is necessary. The air cylinder is fitted with standard fittings for diving and BA-equipment for filling of dry and clean air from a high-pressure compressor

## Safety First

The Big PLT® has several safety features that will prevent any danger to the user. It is dimensioned to hold extreme pressure, 450 bars. A built in reduction valve will regulate the air pressure to the ideal working pressure, 75 bars. A fail-to-close regulator will shut down the unit if something is wrong. It also has a trigger lock.



# PLT® Mini Launching Unit

The **PLT® Mini** consist of a launching unit, several types of projectiles, lines and a launching tube. Made of Stainless Steel, anodised aluminium, the mini is built as simple as possible making it robust and reliable for the user.

## Launching Unit

The Launching Unit can be used either with disposable 33 grams CO2 cartridges or compressed air from a high pressure air cylinder. CO2 is commonly used during operations and air cylinders for training purposes.

## Safety First

The PLT® Mini has several safety features that will prevent any danger to the user. It is dimensioned to hold extreme pressure, 450 bars.

When using a standard 33g CO2 cartridge, the Cylinder holds just enough air pressure for the Mini to launch a single shot.

When using compressed air, a reduction valve will regulate the air pressure to the ideal working pressure, 45 bars. A fail-to-close regulator will shut down the unit if something is wrong



# PLT® Advantages

---

## **High precision**

The PLT does not use propulsion driven projectiles, since they are unpredictable and not precise enough for our purpose.

When launched from the launching unit, it is a “free fall flight” that ensures a straight flight in any wind direction.

## **Low Cost Training**

We encourage the users to train as much as possible, perfecting the understanding and capability of the PLT devices. Using a high pressure air cylinder during training ensures that cost and waste is kept to a minimum.

## **No explosives, sparks or flames**

Can therefore be operated safely in an oil and gas environment. The PLT leaves no heat trace and can be shipped with any type of transportation.

## **Custom Made Products**

Restech Norway have good experience with custom made products, meeting specific requirements of many users. Developing special equipment for your organisation requires a good dialog in order to reach the optimal solution.

We welcome you for a discreet and non binding talk at any time.



Pneumatic Line Throwers

[RESTECH NORWAY AS](http://www.restech-norway.com)

# PLT® Grappling Hooks



## PLT® Grapple 3

Titanium grapnel with 3 tines that are barbed from centre to the tip. One tine can hold 2000kg at the centre and 350kg at the tip before bending.

Fits lines of up to 9mm for direct climbing after launching.

# PLT® Grappling Hooks



## PLT® Grapple 4

Titanium grapnel with 4 tines that are barbed at the tip. One tine holds 2000kg at the centre and 350kg at the tip before bending.

Launched with a double 3,2mm pilot line. The double pilot line can be used to pull up a rope ladder or a climbing rope.

# PLT® Grappling Hook Launch Chart

Type of line			Vertical distance	
			PLT Mini**	PLT
Braided Nylon	Double Line	3.2mm	29m*	64m*
Braided Nylon		3.2mm		
Braided Nylon	Double Line	3.2mm	26m*	60m*
HMPE Fiber		5.0mm		
Technora fibers	Single line	9.0mm	16m	37m

\* Shots are done with double lines.

\*\* Shots are done with CO2 Cartridges



# PLT® Ropes and Lines

Restech Norway provides any type of rope or line on request.  
Our standard types are:

Type	Size	Tensile
Braided Nylon	2.0mm	190kg
Braided Nylon	3.2mm	200kg
Braided Nylon	5.0mm	600kg
HMPE Fiber	3.0mm	953kg
HMPE Fiber	5.0mm	2000kg
Technora fibers	9.0mm	2000kg
Fibreight ladder	20mm	150kg



## PLT® Standard Containers

Restech Norway collaborate with Explorer Cases, providing the ultimate protection during transport and storage. Heavy Duty water- and airproof suitcases can be fitted according to our customers needs or with our standard setups.

