

CATALOG

ENG



H. Dessault
TECHNOLOGY



20
24



H. Dessault

History of the brand

Hugues Dessault is a legendary name in the history of spearfishing.

Hugues, whose parents are from Montpellier in France, began fishing at a very young age, in Algeria, where he was born, in the 1950s.

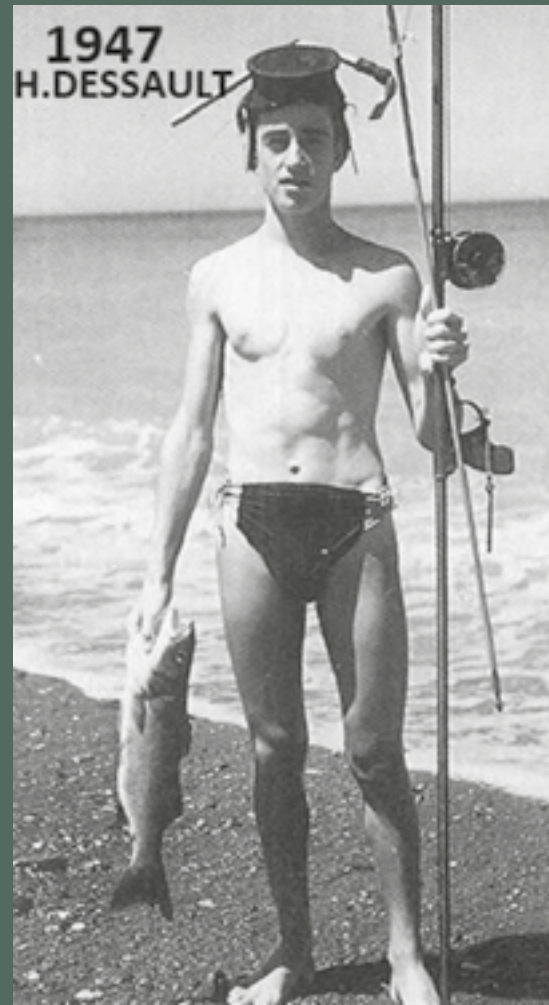
He took part in his first Spearfishing World Championship in Brazil in 1963 and finished third in the individual event, winning the team event.

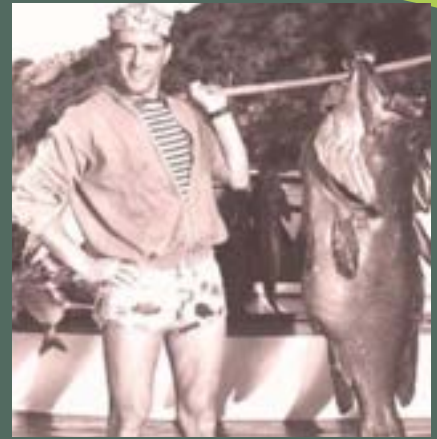
Vice European champion in 1964 and Fourth in 1962 and 1968, He decided at the end of the 1960s to devote himself to his true passion: the creation and production of spearfishing equipment.

In 1973, the H. Dessault brand was registered in France: one of the first spearfishing brands to be born in Europe.

In 1976, Hugues invents and produces the first fin with a detachable blade. Among other notable inventions, the "haricot" release mechanism which is the basis of the operating principle behind all the triggering mechanisms featured on modern spearguns.

Over the years the H. Dessault brand will become famous for the quality of

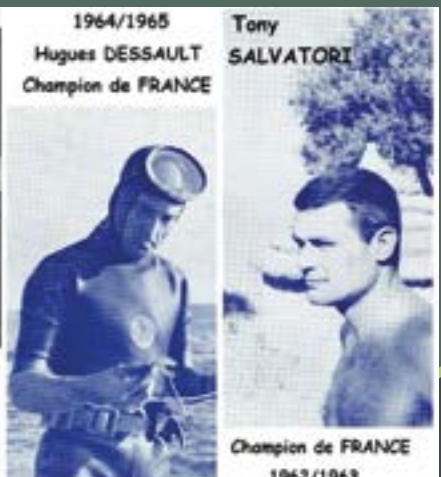




its wetsuits and speargun slings, personally manufactured by Hugues, in his laboratory in Montpellier.

Since 2009 the brand has changed ownership several times, with alternating fortunes and product lines not always at the level of the glorious name of H. Dessault. Finally, in 2020, the brand lands in the C4 group. The old H. Dessault product line is, with a good dose of courage, completely discarded. From the very beginning the idea behind this project has been to start from scratch, creating a new line, thanks to the thirty years experience and technical and commercial knowledge of the entire C4 Team.

The result of this long work is a series of new products, all featuring an exclusive design and developed within the company, that finally worthily represent the greatness of this historic brand which will turn 50 years old in 2023.





  **MADE IN ITALY**

footpocket 350

Thanks to the use of a TPE 75 ShA polymer, the energy transmission of the 350 footpocket to the blade is increased, thus obtaining highly efficient fins. The study of the geometries has allowed us to obtain minimum thicknesses, allowing the weight of the 350 footpocket in size 41/42 to be reduced to just 350 grams.



Comfortable fit
Pre-shaped angle at 3°

Reduced thicknesses that increase comfort and do not cause foot pain;

Attachment of the blade without footpocket horns. The assembly and disassembly of the blade is quick and simple and the size is optimal in case of air travel.

WEIGHT	Starting from 350 gr
ANATOMY	3° preformed
COLORS	Black/Camouflaged
BLADE	Interchangeable BLADE with mechanical assembly and safety screw.
MATERIAL	TPE 75 ShA - High modulus TPA


0SHD350B
0SHD350B 36-46


0SHD350CM
0SHD350CM 40-46



Kit 350




0KHD350



EU

36/37
38/39
40/41
41/42
42/43
43/44
44/45



US

4/4.5
5.5/6
7/8
8/9
8.5/9.5
9.5/10.5
11/12

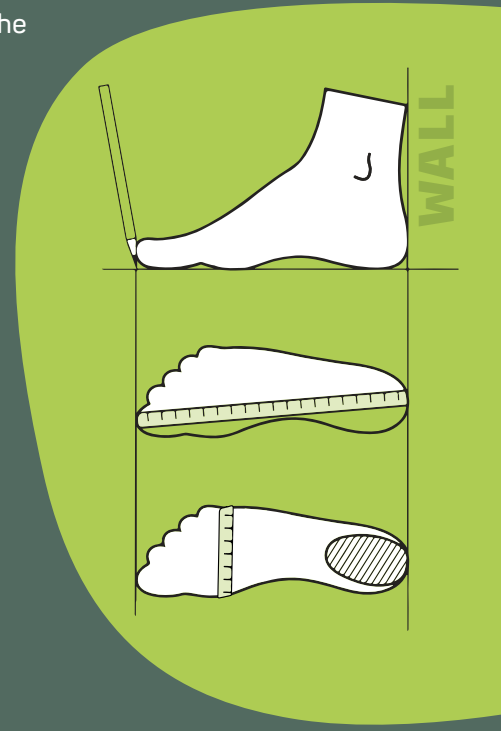


new



CHOOSE YOUR FOOTPOCKET FIT

- Position a sheet of paper on the floor next to a wall.
- Position your foot heel next to the wall keeping your foot on the paper.
- Take note of the length and width of your foot.
- Measure the dimensions.
- Choose the footpocket that better fits your foot from the table.



OSH350BS
OSH350BS 40-46



BLACK SIDE



BLACK

CAMO MED

BLACK SIDE

EU SIZE	US SIZE	BLACK	CAMO MED	BLACK SIDE	L MAX	W MAX
36 / 37	4 / 4.5	✓	✗	✗	223 mm	87 mm
38 / 39	5.5 / 6	✓	✗	✗	242 mm	94 mm
40 / 41	7 / 8	✓	✓	✓	261 mm	101 mm
41 / 42	8 / 9	✓	✓	✓	264 mm	104 mm
42 / 43	8.5 / 9.5	✓	✓	✓	280 mm	108 mm
43 / 44	9.5 / 10.5	✓	✓	✓	284 mm	112 mm
44 / 45	11 / 12	✓	✓	✓	299 mm	115 mm
46 / 47	12 / 13	✓	✗	✗	318 mm	122 mm



CARBON FIBER BLADE FINS

	CAMO MED HD	BLACK SIDE CAMO	FAST HD	PERSHING HD	TANK HD	MINIMAL HD
SUGGESTED USE						
SPEARFISHING	✓	✓	✓	✓	✓	✓
FREEDIVING	✗	✗	✓	✗	✗	✗

FEATURES

	CAMO MED HD	BLACK SIDE CAMO	FAST HD	PERSHING HD	TANK HD	MINIMAL HD
MATERIAL	T700 SUPERFORCE	T700 SUPERFORCE	T700 SUPERFORCE	T300 TW	T300 TW	T300 TW
BLADE SIZE	190 x 860 mm	190 x 860 mm	786 x 190 mm	780 x 190 mm	700 x 190 mm	780 x 190 mm
HARDNESS	25 SOFT 30 MEDIUM 40 HARD	25 SOFT 30 MEDIUM 40 HARD	25 SOFT 30 MEDIUM 40 HARD	25 SOFT 30 MEDIUM	30 MEDIUM	30 MEDIUM
ANGLE	29° + 3° = 32°	29° + 3° = 32°	29° + 3° = 32°	29° + 3° = 32°	29° + 3° = 32°	29° + 3° = 32°
FEATURED WITH FOOTPOCKET	mod. 350 CAMO MED	mod. 350 BLACK SIDE	mod. 350 black	mod. 350 black	mod. 350 black	mod. 350 black
TOTAL WEIGHT	starting from 700 gr.	starting from 700 gr.	starting from 700 gr.	starting from 630 gr	starting from 600 gr.	starting from 700 gr.
WATER RAIL	ELASTIC-K10 BLACK	ELASTIC-K10 BLACK	ELASTIC-K10 BLACK	ELASTIC-K10 BLACK	ELASTIC-K10 BLACK	ELASTIC-K10 BLACK
FOOTPOCKET COMPATIBILITY	COMPATIBLE WITH 350 FOOTPOCKETS ONLY					
FEATURED WITH A BAG	✗	✗	✗	✗	✗	✗

PLASTIC BLADE FINS

	HD MAXX
SUGGESTED USE	
SPEARFISHING	✓
FREEDIVING	✓

MATERIAL	THERMOPLASTIC
BLADE SIZE	800 x 195 mm
HARDNESS	SOFT
ANGLE	29° + 3° = 32°
FEATURED WITH FOOTPOCKET	mod. 350 black
TOTAL WEIGHT	630GR IN SIZE 42/43
WATER RAIL	IN THE TOP PART OF THE BLADE
FOOTPOCKET COMPATIBILITY	COMPATIBLE WITH 350 FOOTPOCKETS ONLY
FEATURED WITH A BAG	✗

FINS COMPARISON TABLE



MADE IN ITALY 

T700 SUPERFORCE

Toray T700S HighTensile
4900 MPa carbon fiber
fabric - 7mm (9/32" inch).
Plain fabric construction.

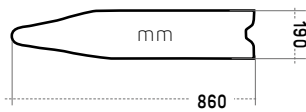


Fast CamoMed

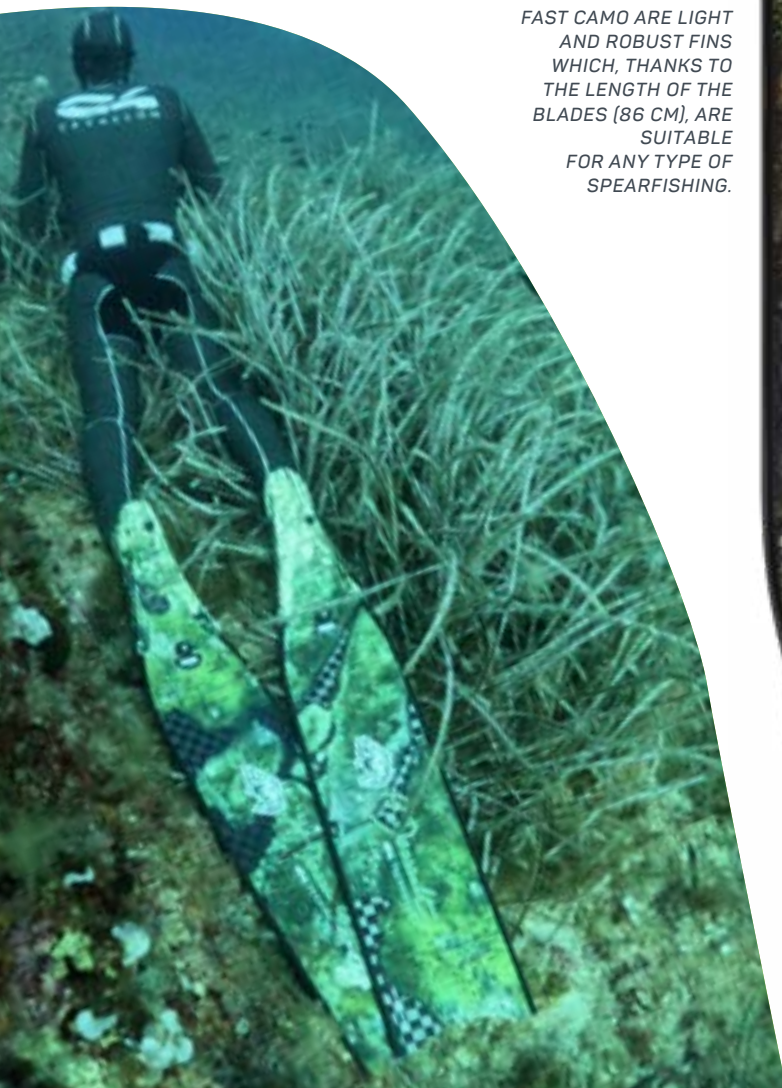
The first Carbon Fiber fins in the world to be made entirely with a with a 100% camouflage finish that reproduces a Mediterranean seabed.

The blade is camouflaged thanks to a special film placed under the resin during moulding. The foot pocket is camouflaged with a colouring water transfer process that guarantees its durability over time and use.

MATERIAL	T700 Superforce
BLADE HARDNESS	25 soft - 30 medium - 40 hard
WATER RAILS	Elastic-K10 black
FINS WEIGHT	Starting from 700 gr



FAST CAMO ARE LIGHT AND ROBUST FINS WHICH, THANKS TO THE LENGTH OF THE BLADES (86 CM), ARE SUITABLE FOR ANY TYPE OF SPEARFISHING.



new



OPHD350FCM	
25 SOFT	OPHD350FCM 25 40-46 S
30 MEDIUM	OPHD350FCM 30 40-46 S
40 HARD	OPHD350FCM 40 40-46 S

FEATURING THE NEW 350 FOOTPOCKETS WITHOUT HORNS WHICH OPTIMISE THE ELASTIC CAPACITY OF THE T700 CARBON FIBER WITH WHICH THE BLADES ARE PRODUCED.



100% MANUFACTURED WITH SOLAR ENERGY

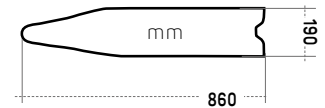
 **MADE IN ITALY**

new

Black Side Camo

The first Carbon Fiber fins in the world to be made entirely with a with a 100% camouflage finish that reproduces a Mediterranean seabed.

The blade is camouflaged thanks to a special film placed under the resin during moulding. The foot pocket is camouflaged with a colouring water transfer process that guarantees its durability over time and use.



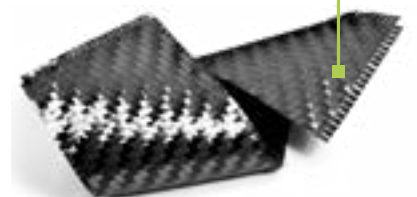
MATERIAL	T700 Superforce
BLADE HARDNESS	25 soft - 30 medium - 40 hard
WATER RAILS	Elastic-K10 black
FINS WEIGHT	Starting from 700 gr



FAST CAMO ARE LIGHT AND ROBUST FINS WHICH, THANKS TO THE LENGTH OF THE BLADES (860CM), ARE SUITABLE FOR ANY TYPE OF SPEARFISHING.

T700 SUPERFORCE

Toray T700S HighTensile 4900 MPa carbon fiber fabric - 7mm (9/32" inch). Plain fabric construction.



OPHD350FBS

25 SOFT	OPHD350FBS 25 40-46 S
30 MEDIUM	OPHD350FBS 30 40-46 S
40 HARD	OPHD350FBS 40 40-46 S

FEATURING THE NEW 350 FOOTPOCKETS WITHOUT HORNS WHICH OPTIMISE THE ELASTIC CAPACITY OF THE T700 CARBON FIBER WITH WHICH THE BLADES ARE PRODUCED.



100% MANUFACTURED WITH SOLAR ENERGY

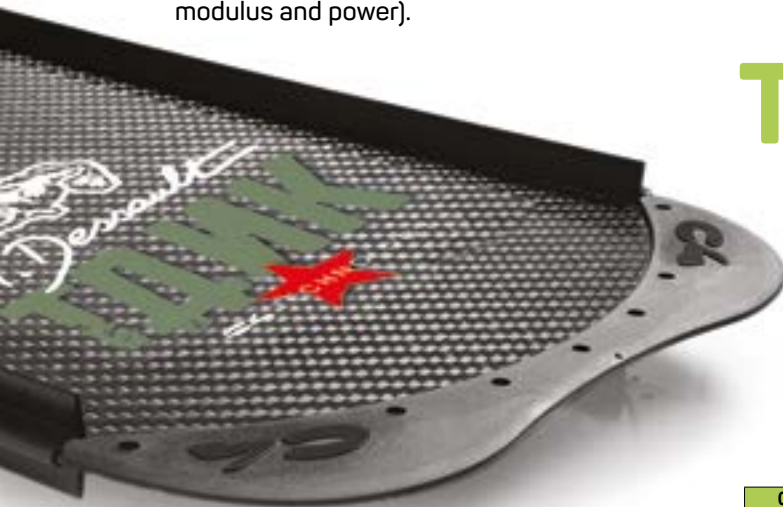


MADE IN ITALY 

OVERMOULDING PROTECTION SYSTEM (O.P.S. TECHNOLOGY)

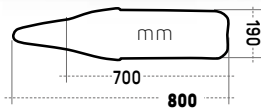
O.P.S. is a revolutionary manufacturing process which features the overmolding of thermorubber to create a protective cover on the tip of the blades. It's the first time that plastic thermorubber is being overmolded on carbon fiber. This has been a true challenge. We have conducted tests for over a year which our fins have successfully passed after 300 hours in the water. Overmoulding thermorubber, compared to traditional gluing, has allowed us to work with specific dimensions and geometries which have not compromised the classic technical features of our fin blades (reduced weight, great elastic modulus and power).

new



Tank HD

OPHD350T
OPHD350T 36-46 S



MATERIAL	Carbon Fiber T300
BLADE HARDNESS	30 medium
WATER RAILS	Elastic-K10 black
FINS WEIGHT	Starting from 550 gr

T300 TW

Toray T300 HighTensile
3530 MPa carbon fiber -
Twill fabric.



100% MANUFACTURED
WITH SOLAR ENERGY



TANK HD fin blades are ideal for spearfishing in waves and foam, especially in cold and shallow waters. They are extremely reactive with an excellent performance even if they feature a reduced length. They are eclectic and they can be used in different spearfishing situations even with deep dives (0-20mt). The blades are compatible with 350 and C4 450 footpockets.

 **MADE IN ITALY**

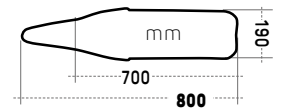
Pershing HD

PERSHING HD fin blades are identical to TANK HD fin blades but they feature a length of 78cm. They are ideal for spearfishing in the ocean, where the conditions which are typical of the sea in winter, are more common all year round also at greater depths. The blades are compatible with 350 and C4 250 footpockets.



new

OPHD350P	
25 SOFT	OPHD350P 25 36-46 S
30 MEDIUM	OPHD350P 30 36-46 S



MATERIAL	Carbon Fiber T300
BLADE HARDNESS	25 soft - 30 medium
WATER RAILS	Elastic-K10 black
FINS WEIGHT	Starting from 570 gr

T300 TW
Toray T300 HighTensile
3530 MPa carbon fiber -
Twill fabric.



100% MANUFACTURED
WITH SOLAR ENERGY



MADE IN ITALY

T700 SUPERFORCE

Toray T700S HighTensile 4900 MPa carbon fiber fabric – 7mm (9/32" inch). Plain fabric construction.



Fast HD

Featuring the new 350 footpockets without horns which optimise the elastic capacity of the T700 carbon fiber with which the blades are produced. These are light and sturdy fins and thanks to the length of the blades (86cm) they are ideal for any type of spearfishing.

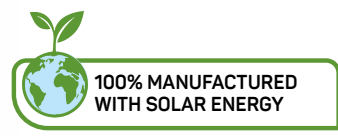
MATERIAL	T700 Superforce
BLADE HARDNESS	25 soft – 30 medium – 40 hard
WATER RAILS	Elastic-K10 black
FINS WEIGHT	Starting from 700 gr



new



OPHD350F	
25 SOFT	OPHD350F 25 40-46 S
30 MEDIUM	OPHD350F 30 40-46 S
40 HARD	OPHD350F 40 40-46 S



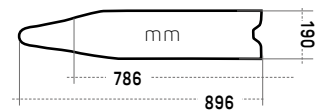
 **MADE IN ITALY**



new

Minimal HD

MINIMAL blades are made in 100% T300 carbon fibre in twill fabric. They have reduced dimensions and they feature the new 350 footpockets without horns for a total weight of 650gr. They have an excellent quality/price ratio.



MATERIAL	Carbon Fiber T300
BLADE HARDNESS	30 medium
WATER RAILS	Elastic-K10 black
FINS WEIGHT	Starting from 650 gr

OPHD350M
OPHD350M 36-46 S

T300 TW

Toray T300 HighTensile 3530 MPa carbon fiber - Twill fabric.



**100% MANUFACTURED
WITH SOLAR ENERGY**



HD Maxx



BLADE MATERIAL	THERMOPLASTIC
FOOTPOCKET MATERIAL	TPE 85 SHA
BLADE HARDNESS	SOFT
WATER RAILS	IN THE TOP PART OF THE BLADE
FINS WEIGHT	630GR IN SIZE 42/43



OPHD350HD
OPHD350HD 36-46



Thanks to the use of a TPE 75 ShA polymer, the energy transmission of the 350 footpocket to the blade is increased, thus obtaining highly efficient fins. The study of the geometries has allowed us to obtain minimum thicknesses, allowing the weight of the 350 footpocket in size 41/42 to be reduced to just 350 grams. The reduced mass (weight) of the 350 footpockets opti-

mises the use the energy needed for the movement, allowing the diver to save energy and thus reducing muscle fatigue. To achieve softness, high elastic return and strong breakage resistance, the design and material of the blade are very important features. We have therefore selected and tested a multitude of polymers and we have finally chosen a medium/soft hardness compound suitable for both spearfishing and freediving. This choice guarantees extremely high performance and resistance.

The Hd MAXX fins are today by far among the lightest fins with long polymer blades. The weight is less than 1300 grams per pair.



THERMOPLASTIC BLADE FINS



Spearguns Fenix



Spearguns featuring an exclusive and modern design. The handle is made in Nylon with a double reel guide: one on the hilt and one the front side with the possibility of mounting horizontal and vertical reels. The mechanism is entirely made in stainless steel with the

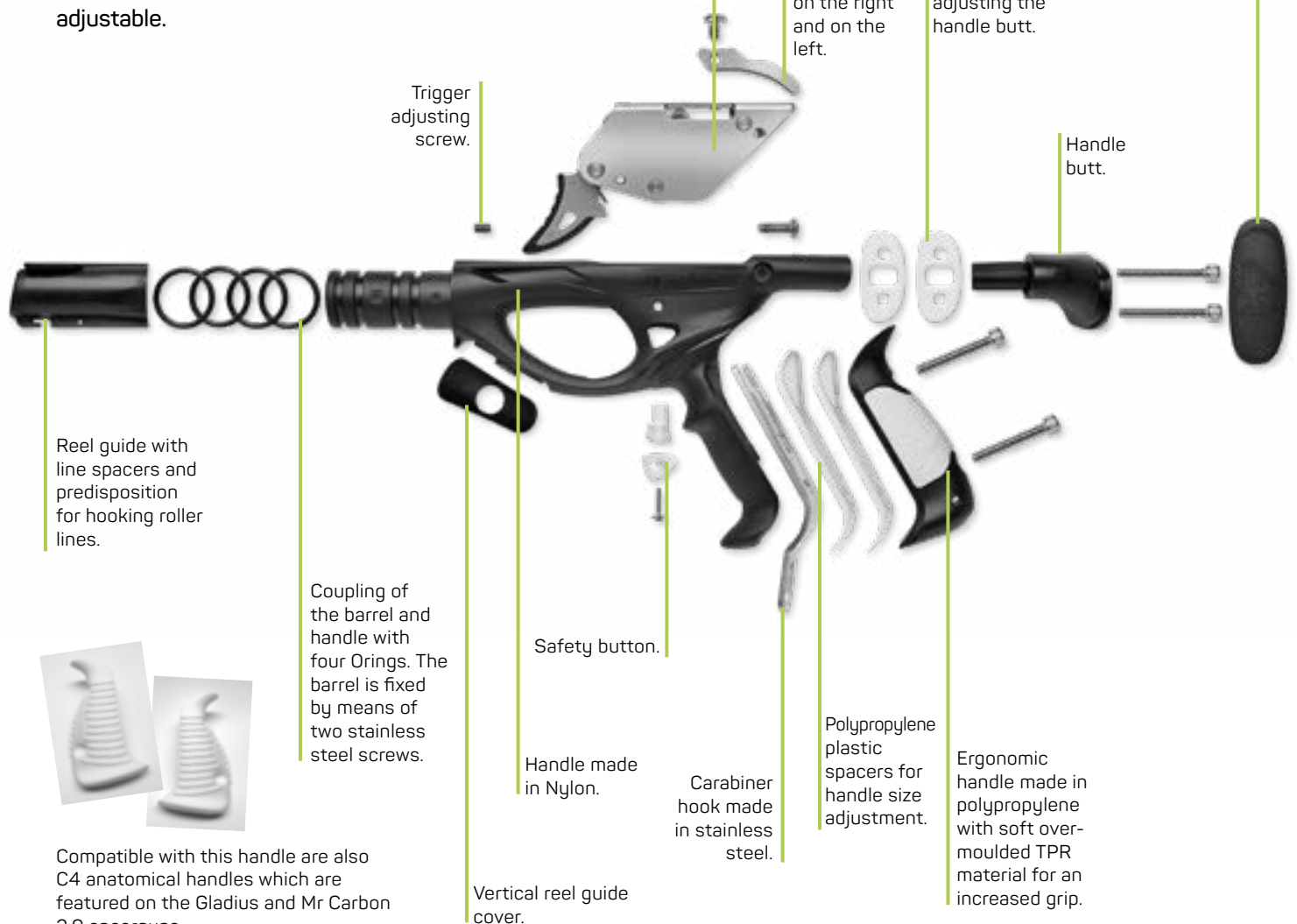
line releaser that can be mounted either on the right or on the left. The safety is a push-button type. The handle butt is adjustable thanks to a system of spacers. The ergonomic handle is made in two different plastic materials and it is adjustable.

Mechanism and mechanism seat made entirely in AISI316 stainless steel.

The handle butt is covered in soft plastic material to have more stability during the charge.

Line releaser can be assembled on the right and on the left.

Polypropylene plastic spacers for adjusting the handle butt.



Trigger adjusting screw.

Handle butt.

Reel guide with line spacers and predisposition for hooking roller lines.

Coupling of the barrel and handle with four Orings. The barrel is fixed by means of two stainless steel screws.

Safety button.

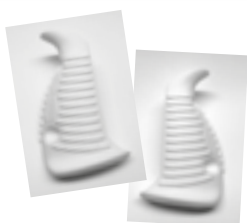
Handle made in Nylon.

Carabiner hook made in stainless steel.

Polypropylene plastic spacers for handle size adjustment.

Ergonomic handle made in polypropylene with soft over-moulded TPR material for an increased grip.

Vertical reel guide cover.



Compatible with this handle are also C4 anatomical handles which are featured on the Gladius and Mr Carbon 2.0 spearguns

mechanism



The mechanism featured on Fenix spearguns is identical to the mechanism of the C4 Gladius and Mr Carbon 2.0 spearguns. It has an integrated line releaser that can be positioned on the right and/or left side. The mechanism and the trigger are entirely made in AISI316

stainless steel. The shaft release mechanism is manufactured by nailing together different layers die-cut from an AISI316 stainless steel sheet. This process makes the mechanism 100% stainless, and extremely resistant to abrasion.

The trigger has a plastic perimeter cover that increases its grip. The traction of the line, on the line releaser, does not change the softness of the trigger. The triggering fluidity and softness are not affected with one or even three passes of the Nylon line or when using a bungee or a reel.

The mechanism has been tested with positive results up to a load of 230Kg.

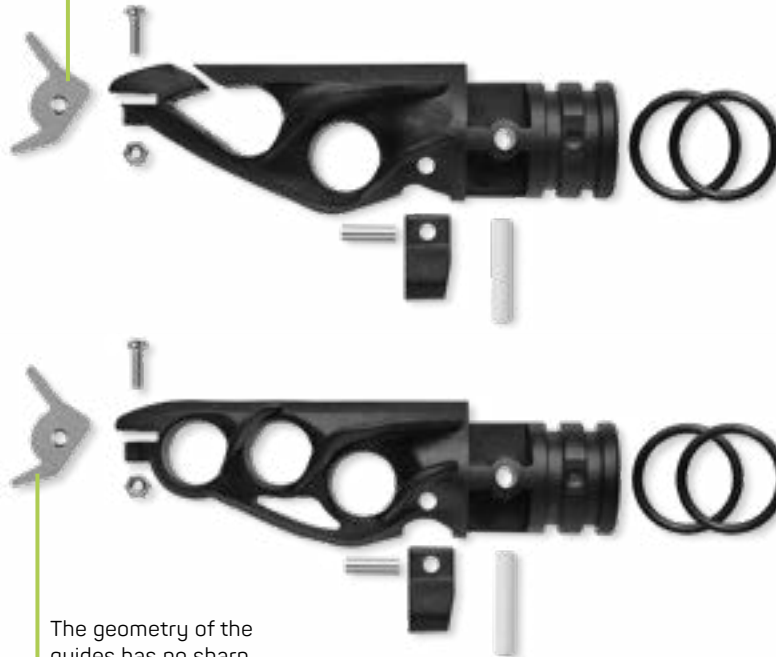
heads

There are two models of heads featured on Fenix spearguns: one with two holes, that allows the assembly of up to two circular bands, and one with three holes that allows the use of up to three circular bands.

The heads have a highly hydrodynamic design and feature sling guides which:

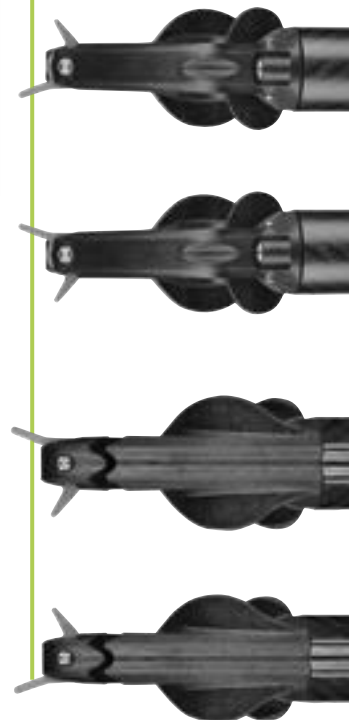
- Facilitate loading and positioning of the loaded slings along the barrel.
- Avoid overlapping of the rubber bands between them, therefore causing less friction during the shot, and help to keep the line of sight free and clean.
- Keep the slings aligned and positioned along the shaft, optimising the resistance when moving the speargun horizontally.

The line guides are made in stainless steel by die-cutting



The geometry of the guides has no sharp edges to avoid accidental cutting of the line.

The line guides are reversible for a passage of the line to the right and to the left.



The heads are made of Nylon and are coupled to the barrel with a double O-ring. They are assembled on the barrel with a stainless pin dia. 5mm.

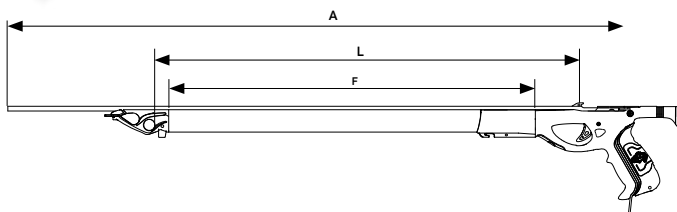


Speargun Fenix Carbon

Fenix Carbon barrels are made in 100% carbon fiber and they feature an integrated shaft guide. The thickness of the barrels is 1.5mm with a diameter of 30x27mm.

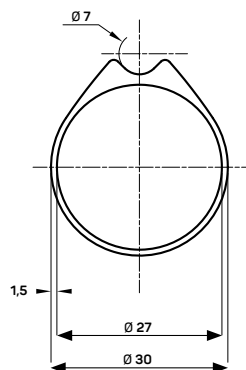
In addition to the O-rings, the waterproofness of the barrels is guaranteed by specifically designed silicone corks.

The shafts, made in AISI301 stainless steel, are in dia. 6.5mm for models 75, 90 and 100 and in dia. 7.0mm for models 115 and 130. The featured slings are Primeline Grey dia. 14mm.



Fenix Carbon is available in five models: 75, 90, 100, 115 and 130. Models 75, 90 and 100 feature the two-hole head and the 115 and 130 models the three-hole head.

		A mm	F mm	L mm
FENIX CARBON 75	0FHDFECA075	1100	688	768
FENIX CARBON 90	0FHDFECA090	1260	838	928
FENIX CARBON 100	0FHDFECA100	1350	938	1018
FENIX CARBON 115	0FHDFECA115	1500	1088	1168
FENIX CARBON 130	0FHDFECA130	1650	1238	1318



115
130

75
90
100

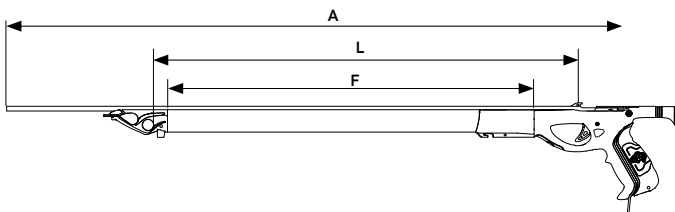


Speargun Fenix


Fenix barrels are made of anodised aluminum and they feature an integrated shaft guide. The thickness of the barrels is 1.0mm with a diameter of 30x28mm.

The shafts, made of AISI301 stainless steel, are in dia. 6.5mm for all models.

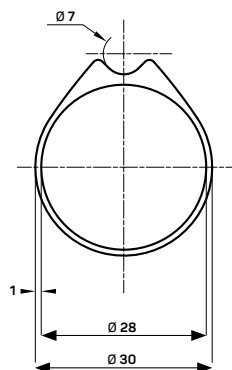
The featured slings are Primeline Grey dia. 17.5mm for models 65, 75 and 85 and dia. 14mm for models 95 and 105.



The Fenix Ocean is available in five models: 65, 75, 85, 95 e 105 all featuring the two-hole head.

		A mm	F mm	L mm
FENIX ALU 65	0FHDFE065	1000	588	668
FENIX ALU 75	0FHDFE075	1100	688	768
FENIX ALU 85	0FHDFE085	1200	788	868
FENIX ALU 95	0FHDFE095	1300	888	968
FENIX ALU 105	0FHDFE105	1400	988	1068

65
75
85
95
105



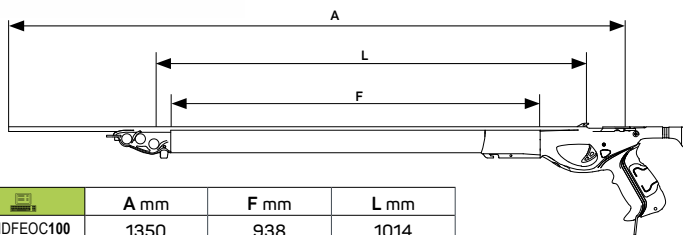


Speargun Fenix Ocean

Fenix Ocean barrels are made in anodised aluminum with an integrated shaft guide and they feature a blue anti-scratch camouflage finish made by heat transfer.

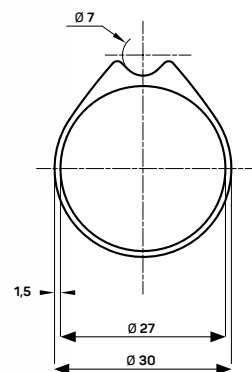
The thickness of the barrels is 1.5mm with diameters 30x27mm.

They feature AISI301 stainless steel shafts in dia. 7.0mm with a tri-cut tip. The slings are Primeline Grey dia. 14mm.



The Fenix Ocean is available in four models: 100, 110, 120 and 130 all featuring the three-hole head.

		A mm	F mm	L mm
FENIX OCEAN 100	0FHDFEOC100	1350	938	1014
FENIX OCEAN 110	0FHDFEOC110	1450	1038	1114
FENIX OCEAN 120	0FHDFEOC120	1550	1138	1214
FENIX OCEAN 130	0FHDFEOC130	1650	1238	1314



100
110
120
130



STANDARD FEATURES

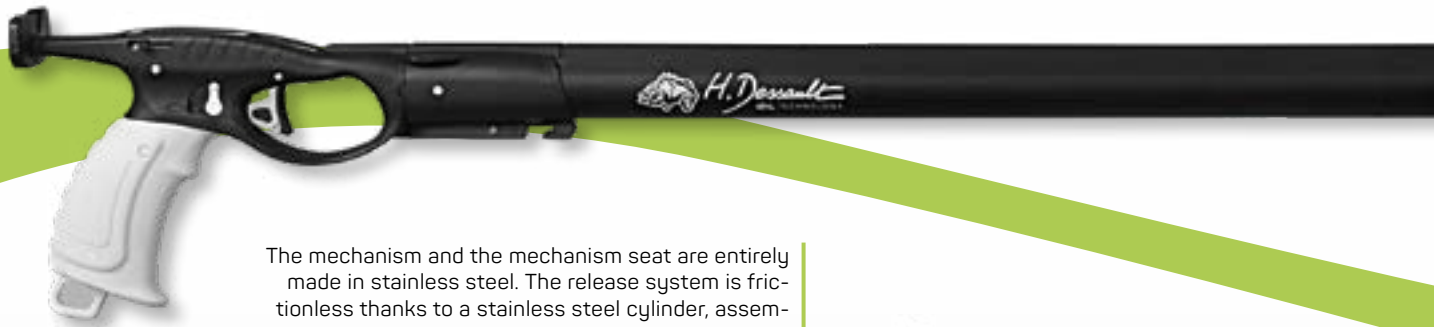
Description		Components description	N.	Ø mm	L mm	Shark fins	Steel	Info
FENIX CARBON 75	OFHDFECA075	single barb shaft 6,5x110mm	1	6,5	110	3	sandwik	shaft with standard tip
		sling grey hd d.14 cm 46 - ø hole 2,4mm	2	14,0	46	-	-	
FENIX CARBON 90	OFHDFECA090	single barb shaft 6,5x125mm	1	6,5	125	3	sandwik	shaft with standard tip
		sling grey hd d.14 cm 55 - ø hole 2,4mm	2	14,0	55	-	-	
FENIX CARBON 100	OFHDFECA100	single barb shaft 6,5x135mm	1	6,5	135	3	sandwik	shaft with standard tip
		sling grey hd d.14 cm 61 - ø hole 2,4mm	2	14,0	61	-	-	
FENIX CARBON 115	OFHDFECA115	single barb shaft 7x150mm	1	7,0	150	4	sandwik	shaft with standard tip
		sling grey hd d.14 cm 70 - ø hole 2,4mm	3	14,0	70	-	-	
FENIX CARBON 130	OFHDFECA130	single barb shaft 7x165mm	1	7,0	165	4	sandwik	asta con punta ogiva
		sling grey hd d.14 cm 80 - ø hole 2,4mm	3	14,0	80	-	-	
FENIX 65	OFHDFE065	single barb shaft 6,5x100mm	1	6,5	100	3	sandwik	shaft with standard tip
		sling grey hd d.17.5 cm 42 - ø hole 3,2mm	1	17,5	42	-	-	
FENIX 75	OFHDFE075	single barb shaft 6,5x110mm	1	6,5	110	3	sandwik	shaft with standard tip
		sling grey hd d.17.5 cm 48 - ø hole 3,2mm	1	17,5	48	-	-	
FENIX 85	OFHDFE085	single barb shaft 6,5x120mm	1	6,5	120	3	sandwik	shaft with standard tip
		sling grey hd d.17.5 cm 55 - ø hole 3,2mm	1	17,5	55	-	-	
FENIX 95	OFHDFE095	single barb shaft 6,5x130mm	1	6,5	130	3	sandwik	shaft with standard tip
		sling grey hd d.14 cm 58 - ø hole 2,4mm	2	14,0	58	-	-	
FENIX 105	OFHDFE105	single barb shaft 6,5x140mm	1	6,5	140	3	sandwik	shaft with standard tip
		sling grey hd d.14 cm 64 - ø hole 2,4mm	2	14,0	64	-	-	
FENIX OCEAN 100	OFHDFE0C100	single barb shaft 7x135mm	1	7,0	135	4	sandwik	shaft with tri-cut tip
		sling grey hd d.14 cm 61 - ø hole 2,4mm	2	14,0	61	-	-	
FENIX OCEAN 110	OFHDFE0C110	single barb shaft 7x145mm	1	7,0	145	4	sandwik	shaft with tri-cut tip
		sling grey hd d.14 cm 66 - ø hole 2,4mm	2	14,0	66	-	-	
FENIX OCEAN 120	OFHDFE0C120	single barb shaft 7x155mm	1	7,0	155	4	sandwik	shaft with tri-cut tip
		sling grey hd d.14 cm 73 - ø hole 2,4mm	3	14,0	73	-	-	
FENIX OCEAN 130	OFHDFE0C130	single barb shaft 7x165mm	1	7,0	165	4	sandwik	shaft with tri-cut tip
		sling grey hd d.14 cm 80 - ø hole 2,4mm	3	14,0	80	-	-	
EAGLE 65	OFHDEA065	single barb shaft 6,5 x 100mm	1	6,5	100	3	AISI630	shaft with standard tip
		sling black hd d.17.5 cm 48 - ø hole 3,2mm	1	17,5	48	-	-	
EAGLE 75	OFHDEA075	single barb shaft 6,5 x 100mm	1	6,5	110	3	AISI630	shaft with standard tip
		sling black hd d.17.5 cm 54 - ø hole 3,2mm	1	17,5	54	-	-	
EAGLE 90	OFHDEA090	single barb shaft 6,5 x 125mm	1	6,5	125	3	AISI630	shaft with standard tip
		sling black hd d.17.5 cm 60 - ø hole 3,2mm	1	17,5	60	-	-	
EAGLE 100	OFHDEA100	single barb shaft 6,5 x 135mm	1	6,5	135	3	AISI630	shaft with standard tip
		sling black hd d.17.5 cm 62 - ø hole 3,2mm	1	17,5	62	-	-	



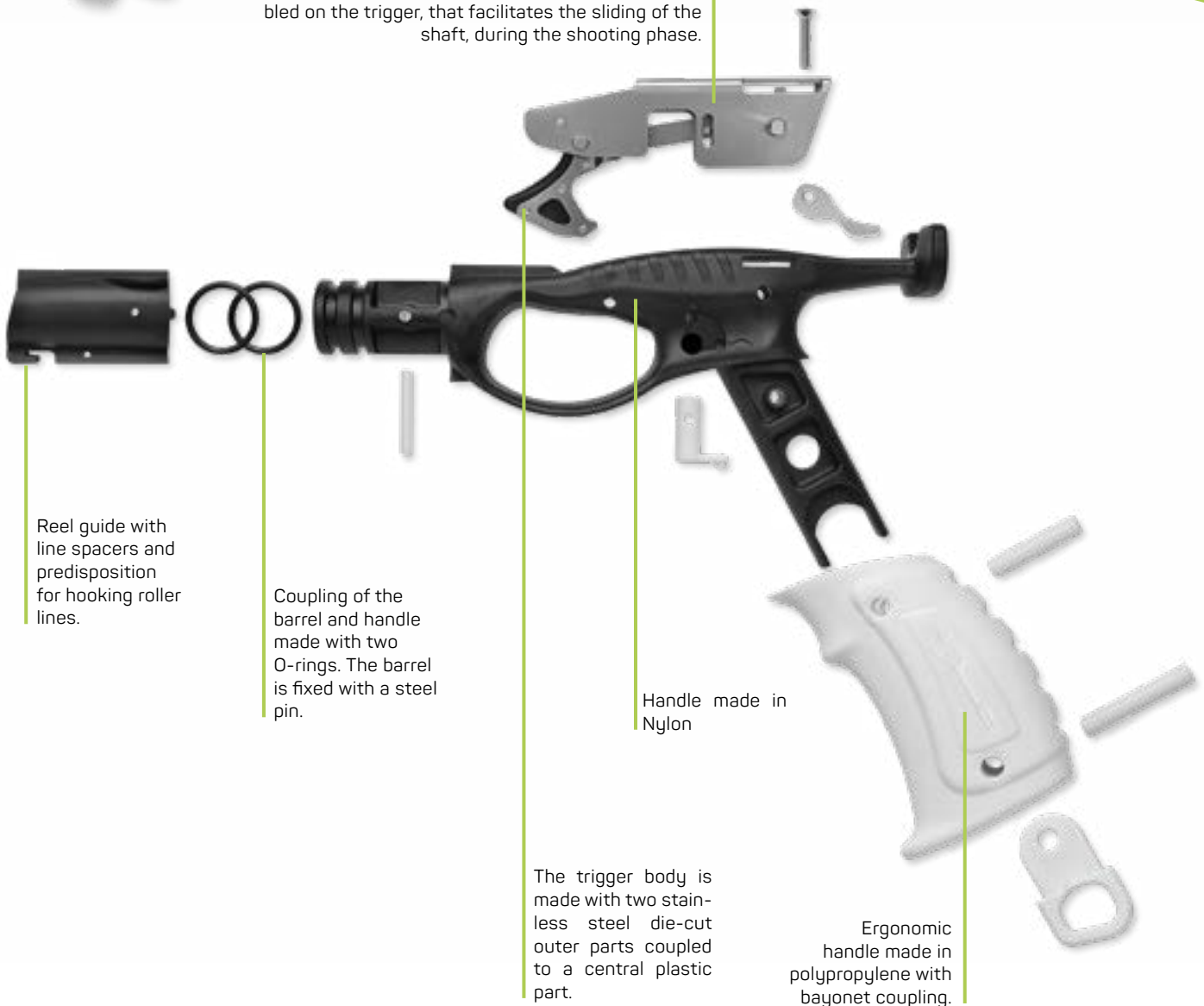


Speargun Eagle

Speargun with a robust and modern design. The handle is made in Nylon and it features an integrated butt. The mechanism is entirely made in stainless steel with a line releaser that can be mounted either on the right or on the left. The safety is a rotating type and the reel can be assembled thanks to a guide positioned in front of the handle.



The mechanism and the mechanism seat are entirely made in stainless steel. The release system is frictionless thanks to a stainless steel cylinder, assembled on the trigger, that facilitates the sliding of the shaft, during the shooting phase.



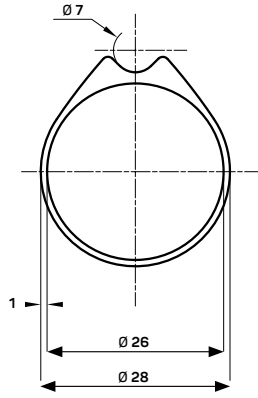
Reel guide with line spacers and predisposition for hooking roller lines.

Coupling of the barrel and handle made with two O-rings. The barrel is fixed with a steel pin.

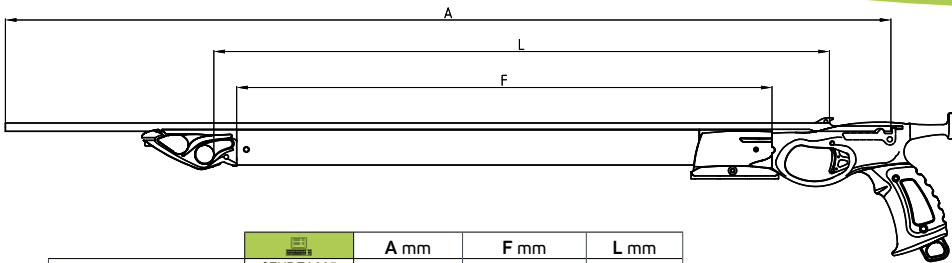
Handle made in Nylon

The trigger body is made with two stainless steel die-cut outer parts coupled to a central plastic part.

Ergonomic handle made in polypropylene with bayonet coupling.



The barrel, in anodised aluminum featuring an integrated shaft guide, has a thickness of 1.0mm with diameters 27x28mm. The shafts, made in AISI630 stainless steel, are in dia. 6.5mm with three shark fins. The slings are Primeline Black dia. 17.5mm.



		A mm	F mm	L mm
EAGLE 65	0FHDEA065	1000	602	675
EAGLE 75	0FHDEA075	1100	702	775
EAGLE 90	0FHDEA090	1250	852	925
EAGLE 100	0FHDEA100	1350	952	1025

65
75
90
100



Eagle is available in four models: 65, 75, 90 and 100, all featuring the two-hole head which is identical to the head featured on Fenix spearguns.



Vertical Reel

Vertical Reels are designed specifically for vertical use on spearguns and are made in thermoplastic material. The spool has a diameter of 69mm and can hold up to 60mt. of 1.5mm dia. line. The brake system is "self-locking": once positioned in the closed position, it opens automatically avoiding intervention in a possible moment of difficulty. Vertical Reels feature anti-wig stainless steel cylinders. The winding direction of the line is indicated on the reel support.

The plastic support, made in Nylon with reinforcement ribs, has been designed to allow the reel to be mounted on the hilt of FENIX spearguns but also to C4 Mister Carbon 2.0 and Gladius spearguns.



The connecting rods between the main body and the spool are made in stainless steel. The spool and the moving parts are made in POM thermoplastic material to obtain toughness and maximum fluidity during operation.



Plastic guide supplied separately, to assemble the reel to the seat of FENIX and EAGLE spearguns. It is also possible to apply guides for spearguns from other manufacturers.

The winding arm is made in stainless steel with a thickness of 3mm. The knob has an ergonomic butterfly shape that allows an easy grip. The brake system of the reel is fast and has an easy-to-adjust stop O-Ring and strong hold in closing.



Floaters

The Floaters are available in three models with different buoyancy thrust: Mod. A 165g, Mod. B 220g and Mod. C 275g.



The Floaters are made in rigid polyurethane foam with a density of 0.21g / cm³. They have a C-profile, 30mm diameter, to be properly assembled on barrels featuring a Ø30mm dia.

They can be easily assembled, removed and moved along the axis of the barrel to obtain a better balance of the speargun.

Slings

H. Dessault's slings are available in two models with different diameters:
 GREY OD 14MM/ID 2.4MM
 GREY OD 17.5MM/ID 3.2MM



GREY HD SLINGS	
OGHDDH135	D.14 cm 46-2,4mm
OGHDDH136	D.14 cm 55-2,4mm
OGHDDH137	D.14 cm 58-2,4mm
OGHDDH138	D.14 cm 61-2,4mm
OGHDDH139	D.14 cm 64-2,4mm
OGHDDH140	D.14 cm 66-2,4mm
OGHDDH141	D.14 cm 70-2,4mm
OGHDDH142	D.14 cm 73-2,4mm
OGHDDH143	D.14 cm 80-2,4mm
OGHDDH144	D.17,5 cm 42-3,2mm
OGHDDH145	D.17,5 cm 48-3,2mm
OGHDDH146	D.17,5 cm 55-3,2mm

BLACK HD SLINGS	
OGHDDH148	D.17,5 cm 48-3,2mm
OGHDDH150	D.17,5 cm 54-3,2mm
OGHDDH152	D.17,5 cm 60-3,2mm
OGHDDH153	D.17,5 cm 62-3,2mm

PHYSICAL AND MECHANICAL PROPERTIES

TENSILE STRENGTH	146MM
MAXIMUM ELONGATION	750% min
HARDNESS (SHORE A)	35 ± 5
MODULE 100% (psi)	125 max
SPECIFIC WEIGHT	0.97 max



Shaft

The shafts, made of AISI301 stainless steel, are available in dia. 6.5mm and 7.0mm.



SINGLE BARB SHAFTS	
OAC4100650-3skf	100X6,5-3skf
OAC4100650-3skf	110X6,5-3skf
OAC4125650-3skf	125X6,5-3skf
OAC4135650-3skf	135X6,5-3skf
OAHDCE65120	C.F.6,5X120-3skf
OAHDCE65125	C.F.6,5X125-3skf
OAHDCE65130	C.F.6,5X130-3skf
OAHDCE65135	C.F.6,5X135-3skf
OAHDCE65140	C.F.6,5X140-3skf
OAHDSF65100	S.F.6,5X100-3skf
OAHDSF65110	S.F.6,5X110-3skf
OAHDSF7150	S.F.7X150-4skf
OAHDSF7165	S.F.7X165-4skf
OAHDSFTR7135	S.F.TR.7X135-4skf
OAHDSFTR7145	S.F.TR.7X145-4skf
OAHDSFTR7155	S.F.TR.7X155-4skf
OAHDSFTR7165	S.F.TR.7X165-4skf

The shafts in dia 6.5mm with milling in the barb area are available in lengths from 120 to 140cm and without milling in the lengths of 100 and 110cm.

The 7.0mm dia. shafts without milling are available in lengths of 150 and 165cm and with tri-cut tip from 135 to 165cm.



Mask Element

Element features a unique and innovative design with a small internal volume which facilitates the saving of air during the descent but with a wide field of vision.

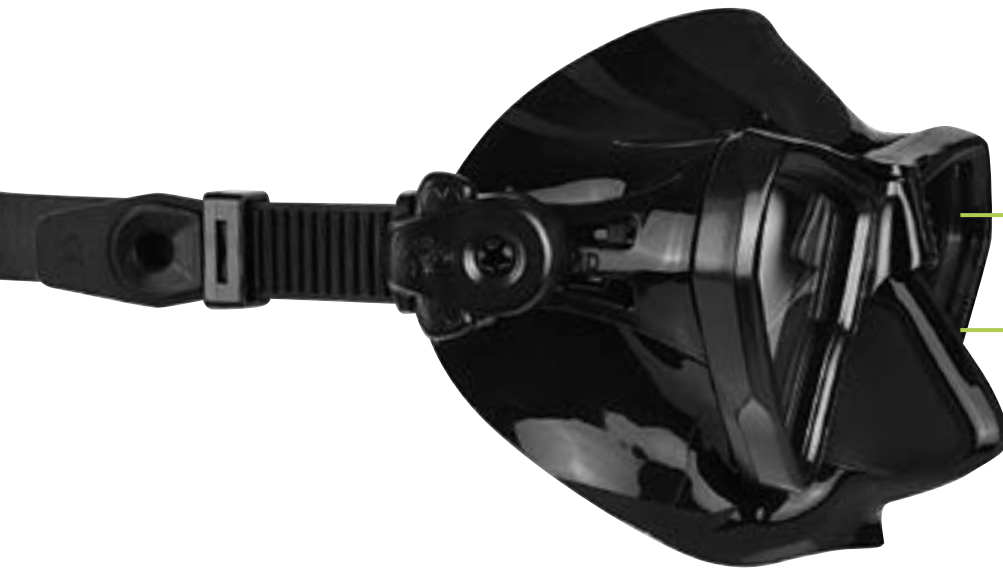
Element was designed specifically for freediving and spearfishing and it features a system to mount a camera in its upper part. The top part of the mask can be easily removed and replaced with a camera support, which is sold separately. The support, made in polycarbonate, has a dovetail coupling, with a safety bayonet pin.

BLACK



0ACHD013 CAMERA FITTING





Small internal volume and wide field of vision.

The skirt, made in hypoallergenic liquid silicone, features a shiny external finish and a velvet internal finish.

OPTICAL LENSES AVAILABLE

Element has a traditional mounting of the lenses to the mask frame by means of lens retaining rings. This system allows to change the lenses and therefore it also allows the use of optical lenses.

OLOHDEL015D	-1,5 DX
OLOHDEL015S	-1,5 SX
OLOHDEL020D	-2,0 DX
OLOHDEL020S	-2,0 SX
OLOHDEL025D	-2,5 DX
OLOHDEL025S	-2,5 SX
OLOHDEL030D	-3,0 DX
OLOHDEL030S	-3,0 SX
OLOHDEL035D	-3,5 DX
OLOHDEL035S	-3,5 SX
OLOHDEL040D	-4,0 DX
OLOHDEL040S	-4,0 SX
OLOHDEL045D	-4,5 DX
OLOHDEL045S	-4,5 SX
OLOHDEL050D	-5,0 DX
OLOHDEL050S	-5,0 SX
OLOHDEL055D	-5,5 DX
OLOHDEL055S	-5,5 SX
OLOHDEL060D	-6,0 DX
OLOHDEL060S	-6,0 SX

OMAHDBK	BLACK
OMAHDAICA	AIR CAMO
OMAHDEACA	EARTH CAMO
OMAHDFRCA	FIRE CAMO
OMAHDSCA	STONE CAMO
OMAHDWACA	WATER CAMO



Available in the completely black version and in 5 versions of camouflage colors.





The pants have reinforcements on the knees.

Wetsuit Blackside

Two piece wetsuit made with single lined neoprene rubber with an elastic camouflaged outer lining.

The jacket features a reinforcement on the chest for greater protection during charge and reinforcements on the elbows.

The small number of panels used to assemble the wetsuit allow for less sewing hence greatly increasing the overall elasticity of the wetsuit, especially in the armpit area.

It is available in 3.0, 5.0 and 7.0mm thickness in the sizes from 1 to 5.

The pants and jacket have a preformed anatomical design.

Great resistance to compression and an excellent elastic return.



THE NEOPRENE RUBBER IS CERTIFIED FOR THE ABSENCE OF ANY CHEMICAL MATERIALS WHICH CAN DAMAGE THE ENVIRONMENT OR HUMAN HEALTH SUCH AS PHTHALATES AND LATEX.

JACKET	OWC4HDBLJ
3 mm	OWC4HDBLJ3 S1-S5
5 mm	OWC4HDBLJ5 S1-S5
7 mm	OWC4HDBLJ7 S1-S5



PANT	OWC4HDBLP
3 mm	OWC4HDBLP3 S1-S5
5 mm	OWC4HDBLP5 S1-S5
7 mm	OWC4HDBLP7 S1-S5



SIZING TABLE - 2 PCS WETSUITS MAN (CM)

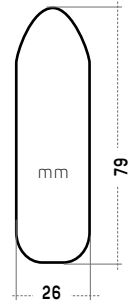
	HEIGHT	WEIGHT	NECK	TORAX	WAIST	HIPS	CROTCH NECK	BICEPS	FOREARM	WRIST	ARM	THIGH	CALF	ANKLE	ANKLE INSEAM
T1	160/167	55/65	39	86	72	81	61	27	24	16	49	53	33	19	66
T2	167/175	65/75	40	92	78	87	63	29	25	17	50	54	34	20	69
T3	175/182	75/83	41	98	85	93	65	32	26	18	53	56	35	22	71
T4	182/190	83/90	42	105	91	100	70	35	29	19	56	59	36	23	73
T5	190/200	90/110	43	112	100	107	74	38	32	20	57	60	39	24	76



Buoy **Torpedo Master**



Double chamber diving buoy. The internal chamber is made in PVC and the external protection chamber is made in NYLON 300D. The buoy Torpedo Master has 6 Nylon D-rings in the lower part of the buoy and one in the front part. The buoy features a double signalling flag and a floating Nylon line.

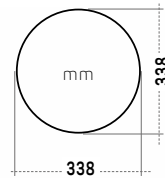


 **0KNIVESHDMA**

Master **Spherical buoy**

Double chamber signalling buoy. The internal chamber is made of PVC and the external protection chamber is made of 300D NYLON. The MASTER SPHERICAL buoy has four Nylon D-rings and two Nylon carabiners at the bottom of the buoy. The buoy is equipped with a signal flag and a floating line with double nylon snap hooks.

Dimensions: Dia. 30cm Height 10cm

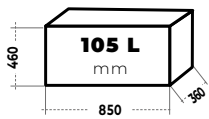


 **0BUHDSPHE**

HDessault Bags

Equipment bags made with high frequency welded 500D PVC-Trapaulin, equipped with 600D polyester straps. They are available in two colours: orange and green and they feature a capacity of 105Lt.

Dimensions: 85x46x36cm



GREEN

0BAGHDEGB

ORANGE

0BAGHDEOB



Knife Master

Dagger knife featuring a 13.5cm blade made in 420B stainless steel with a shaft releaser.

The polypropylene sheath has a double seal: mechanical on the blade and with an O-ring on the handle.

The bottom hammer is made in anodised aluminum.

The handle has an ergonomic shape and it is made in polypropylene plastic material with over-moulding in soft TPR material, which greatly increases the grip.

The hilt is made in AISI 304 stainless steel

It is supplied with two rubber straps.



ENG



C4 Srl

Via Cesare Battisti, 40

20847 Albiate (MB) ITALY

Ph. +39.0362.1573081

infosales@c4carbon.com

DESSAULT.COM

