



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





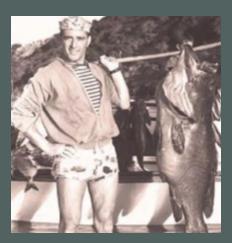




the triggering mechanisms featured on modern spearguns.

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.



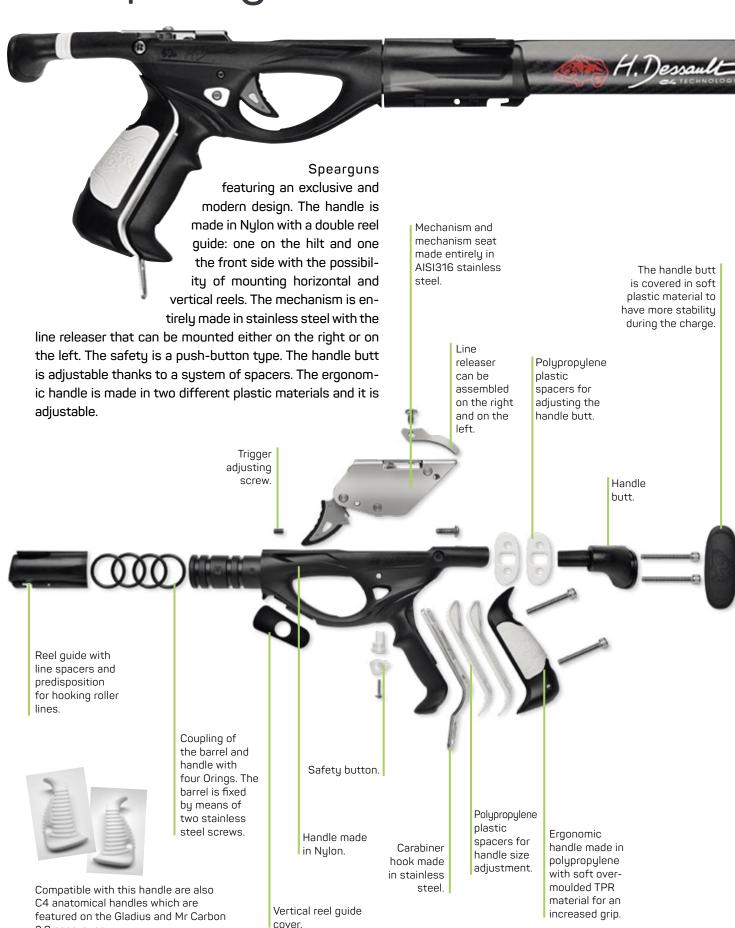
Finally, in 2020, the brand lands in the C4 group. The old H. Dessault product line is, with a good dose of courage, completely discarded.

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.



# Spearguns Fenix



2.0 spearguns

#### H. Dessault

### mechanism



The line guides are made

in stainless steel by die-

cutting

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 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

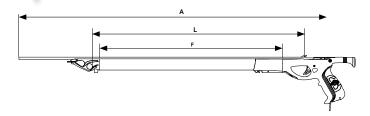
Fenix Carbon barrels are made in 100% carbon fiber and they feature an integrated shaft guide. The thickness of the barrels is 1.5mm with a diameter of 30x27mm.

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	Fmm	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	









# Speargun **Fenix**

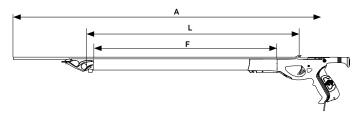
Fenix barrels are made of anodised aluminum and they feature an integrated shaft guide. The thickness of the barrels is 1.0mm with a diameter of 30x28mm.

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.







	<b>=</b>	A mm	F mm	L mm
FENIX ALU 65	0FHDFE <b>065</b>	1000	588	668
FENIX ALU 75	0FHDFE <b>075</b>	1100	688	768
FENIX ALU 85	0FHDFE <b>085</b>	1200	788	868
FENIX ALU 95	0FHDFE <b>095</b>	1300	888	968
FENIX ALU 105	0FHDFE <b>105</b>	1400	988	1068



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

**65** 





# Speargun Fenix Ocean

Fenix Ocean barrels are made in anodised aluminum with an integrated shaft guide and they feature a blue antiscratch 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







#### **STANDARD FEATURES**

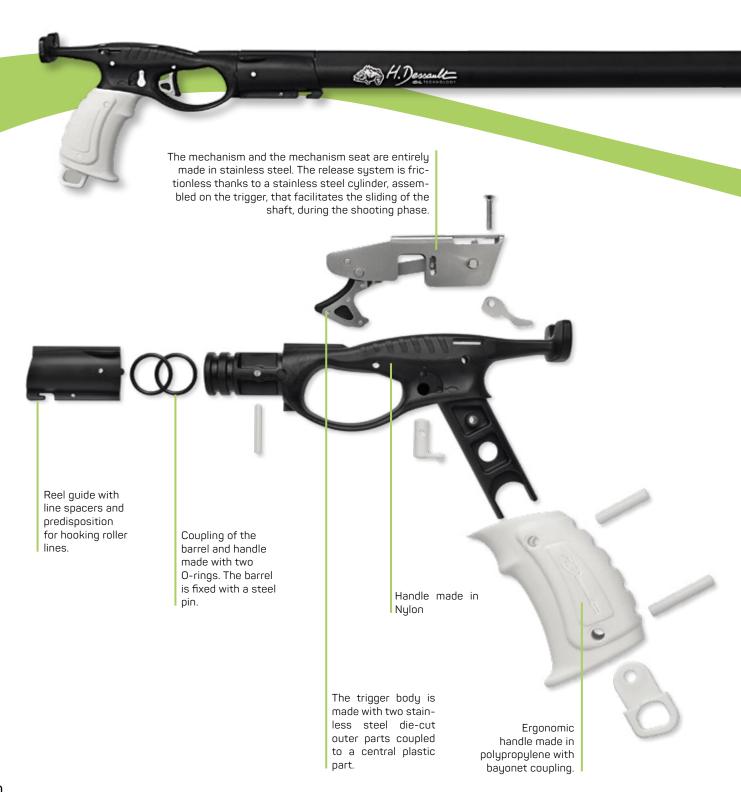
Description	(ET)	Components description	N.	Ø mm	L L	Shark fins	Steel	Info
ENIV CARRON 75	051105504075	single barb shaft 6,5x110mm	1	6,5	110	3	sandwik	shaft with standard tip
ENIX CARBON 75	OFHDFECA075	sling grey hd d.14 cm 46 - ø hole 2,4mm	2	14,0	46	-	-	
ENIX CARRON OO	051105504000	single barb shaft 6,5x125mm	1	6,5	125	3	sandwik	shaft with standard tip
FENIX CARBON 90	OFHDFECA090	sling grey hd d.14 cm 55 - ø hole 2,4mm	2	14,0	55	-	-	
	051105501400	single barb shaft 6,5x135mm	1	6,5	135	3	sandwik	shaft with standard tip
FENIX CARBON 100	OFHDFECA100	sling grey hd d.14 cm 61 - ø hole 2,4mm	2	14,0	61	-	-	
	051105504445	single barb shaft 7x150mm	1	7,0	150	4	sandwik	shaft with standard tip
FENIX CARBON 115	OFHDFECA115	sling grey hd d.14 cm 70 - ø hole 2,4mm	3	14,0	70	-	-	
	051155501100	single barb shaft 7x165mm	1	7,0	165	4	sandwik	asta con punta ogiva
FENIX CARBON 130	OFHDFECA130	sling grey hd d.14 cm 80 - ø hole 2,4mm	3	14,0	80	_	-	
	0511555005	single barb shaft 6,5x100mm	1	6,5	100	3	sandwik	shaft with standard tip
FENIX 65	0FHDFE065	sling grey hd d.17.5 cm 42 - ø hole 3,2mm	1	17,5	42	-	-	·
	0511055075	single barb shaft 6,5x110mm	1	6,5	110	3	sandwik	shaft with standard tip
FENIX 75	0FHDFE075	sling grey hd d.17.5 cm 48 - ø hole 3,2mm	1	17,5	48	-	-	
ENIX OF	0FHDFE085	single barb shaft 6,5x120mm	1	6,5	120	3	sandwik	shaft with standard tip
ENIX 85		sling grey hd d.17.5 cm 55 - ø hole 3,2mm	1	17,5	55	-	-	
==	0FHDFE095	single barb shaft 6,5x130mm	1	6,5	130	3	sandwik	shaft with standard tip
FENIX 95		sling grey hd d.14 cm 58 - ø hole 2,4mm	2	14,0	58	-	-	
ENIX 105	0FHDFE105	single barb shaft 6,5x140mm	1	6,5	140	3	sandwik	shaft with standard tip
ENIX 105	OFFIDE 105	sling grey hd d.14 cm 64 - ø hole 2,4mm	2	14,0	64	-	-	
ENIX OCEAN 100	OFHDFEOC100	single barb shaft 7x135mm	1	7,0	135	4	sandwik	shaft with tri-cut tip
ENIX UCEAN 100		sling grey hd d.14 cm 61 - ø hole 2,4mm	2	14,0	61	-	-	
- FNIIV OOF AN 440	OFHDFEOC110	single barb shaft 7x145mm	1	7,0	145	4	sandwik	shaft with tri-cut tip
FENIX OCEAN 110	OFHDFEUCTIO	sling grey hd d.14 cm 66 - ø hole 2,4mm	2	14,0	66	-	-	
	051105500400	single barb shaft 7x155mm	1	7,0	155	4	sandwik	shaft with tri-cut tip
FENIX OCEAN 120	0FHDFE0C120	sling grey hd d.14 cm 73 - ø hole 2,4mm	3	14,0	73	-	-	
	051105500400	single barb shaft 7x165mm	1	7,0	165	4	sandwik	shaft with tri-cut tip
FENIX OCEAN 130	OFHDFEOC130	sling grey hd d.14 cm 80 - ø hole 2,4mm	3	14,0	80	-	-	
-AOLE OE	OFUDEAGGE	single barb shaft 6,5 x 100mm	1	6,5	100	3	AISI630	shaft with standard tip
EAGLE 65	OFHDEA065	sling black hd d.17.5 cm 48 - ø hole 3,2mm	1	17,5	48	-		
A C. F. 7.F.	0511054075	single barb shaft 6,5 x 100mm	1	6,5	110	3	AISI630	shaft with standard tip
AGLE 75	OFHDEA075	sling black hd d.17.5 cm 54 - ø hole 3,2mm	1	17,5	54	-	-	
- 4 01 5 00	0511054065	single barb shaft 6,5 x 125mm	1	6,5	125	3	AISI630	shaft with standard tip
EAGLE 90	OFHDEA090	sling black hd d.17.5 cm 60 - ø hole 3,2mm	1	17,5	60	-	-	
		single barb shaft 6,5 x 135mm	1	6,5	135	3	AISI630	shaft with standard tip
EAGLE 100	0FHDEA100	sling black hd d.17.5 cm 62 - ø hole 3,2mm	1	17,5	62	_	_	

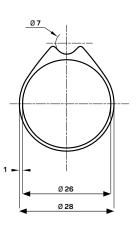




# Speargun Eagle

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.

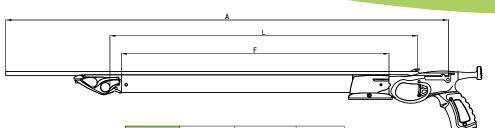




The barrel, in anodised aluminum featuring an integrated shaft guide, has a thickness of 1.0mm with diameters 27x28mm.

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	0FHDEA <b>065</b>	1000	602	675
EAGLE 75	0FHDEA <b>075</b>	1100	702	775
EAGLE 90	0FHDEA <b>090</b>	1250	852	925
EAGLE 100	0FHDEA <b>100</b>	1350	952	1025

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 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 break system of the reel is fast and has an easy-to-adjust stop O-Ring and

strong hold in closing.

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.





moplastic material to obtain toughness and maximum







# Floaters #

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

> 0ACMB018 0ACMB019 0ACMB020

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



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

**GREY HD SLINGS** 0GHDH135 D.14 cm 46-2,4mm 0GHDH136 D.14 cm 55-2,4mm 0GHDH137 D.14 cm 58-2,4mm 0GHDH138 D.14 cm 61-2,4mm OGHDH138 D.14 cm 61-2,4mm
OGHDH139 D.14 cm 64-2,4mm
OGHDH140 D.14 cm 66-2,4mm
OGHDH141 D.14 cm 70-2,4mm
OGHDH141 D.14 cm 73-2,4mm
OGHDH142 D.14 cm 73-2,4mm
OGHDH144 D.17,5 cm 42-3,2mm
OGHDH144 D.17,5 cm 42-3,2mm 0GHDH145 D.17,5 cm 48-3,2mm 0GHDH146 D.17,5 cm 55-3,2mm

BLACK HD SLINGS							
0GHDH148	D.17,5 cm 48-3,2mm						
0GHDH150	D.17,5 cm 54-3,2mm						
0GHDH152	D.17,5 cm 60-3,2mm						
0GHDH153	D.17,5 cm 62-3,2mm						



## **Shaft**

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

> 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.

, mi	MANUFACTURE OF THE PARTY OF THE
SINGLE BA	ARB SHAFTS
0AC4100650-3skf	100X6,5-3skf
0AC4110650-3skf	110X6,5-3skf
0AC4125650-3skf	125X6,5-3skf
0AC4135650-3skf	135X6,5-3skf
0AHDCF65120	C.F.6,5X120-3skf
0AHDCF65125	C.F.6,5X125-3skf
0AHDCF65130	C.F.6,5X130-3skf
0AHDCF65135	C.F.6,5X135-3skf
0AHDCF65140	C.F.6,5X140-3skf
0AHDSF65100	S.F.6,5X100-3skf
0AHDSF65110	S.F.6,5X110-3skf
0AHDSF7150	S.F.7X150-4skf
0AHDSF7165	S.F.7X165-4skf
0AHDSFTR7135	S.F.TR.7X135-4skf
0AHDSFTR7145	S.F.TR.7X145-4skf
0AHDSFTR7155	S.F.TR.7X155-4skf
0AHDSFTR7165	S.F.TR.7X165-4skf



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 spear-fishing 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.









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.

LOHDEL015D	-1,5 DX	
LOHDEL015S	-1,5 SX	
LOHDEL020D	-2,0 DX	
LOHDEL020S	-2,0 SX	
LOHDEL025D	-2,5 DX	
LOHDEL025S	-2,5 SX	
LOHDEL030D	-3,0 DX	
DLOHDEL030S	-3,0 SX	
LOHDEL035D	-3,5 DX	
LOHDEL035S	-3,5 SX	
LOHDEL040D	-4,0 DX	
LOHDEL040S	-4,0 SX	
LOHDEL045D	-4,5 DX	
LOHDEL045S	-4,5 SX	
LOHDEL050D	-5,0 DX	
LOHDEL050S	-5,0 SX	
LOHDEL055D	-5,5 DX	
LOHDEL055S	-5,5 SX	
LOHDEL060D	-6,0 DX	
LOHDEL060S	-6,0 SX	

0MAHD <b>BK</b>	BLACK							
0MAHD <b>AICA</b>	AIR CAMO							
0MAHD <b>EACA</b>	EARTH CAMO							
0MAHD <b>FRCA</b>	FIRE CAMO							
0MAHD <b>SCA</b>	STONE CAMO							
0MAHD <b>WACA</b>	WATER CAMO							















MADE IN ITALY

# Footpocket H. Dessault

#### PERFORMANCE

The footpockets horns are extended all the way back to the heel for a more efficient transmission of energy. The interchangeable blade is mounted on the footpocket with a safety screw.

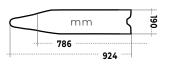


8.5/9 10/11 11.5/12.5



# Fins Performance Maxx

Performance Maxx are comfortable and versatile fins. They feature H.Dessault thermo-rubber footpockets. The blades are made in thermoplastic material of medium hardness with high modulus and a round tip.



MATERIAL	black high modulus technopolymer				
BLADE HARDNESS	medium				
WATER RAILS	-				
FIN WEIGHT	starting from 700 gr				



UPON REQUEST IT IS POSSIBLE TO COMBINE THE BLADES WITH BLACK OR WHITE FOOTPOCKETS







## Fins **Element**

TECHNOLOGY

ELEMENT fins have blades made in T300. T300 is a 100% fine-weave carbon fiber fabric with a twill weave.

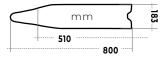
Thanks to the use of this yarn and their particular profile, these blades are particularly robust and suitable for spearfishing.

The camouflage finish is not a simple sticker placed over the resin but it is a special IML film placed under the resin during the moulding phase. This guarantees durability and resistance to scratch.

The blades are available in a medium hardness and in five different camouflage color versions.







MATERIAL	Carbon Fiber T300
BLADE HARDNESS	30 medium
WATER RAILS	Elastic-K10 black
FIN WEIGHT	starting from 700 gr

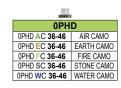
UPON REQUEST IT IS POSSIBLE TO COMBINE THE BLADES WITH BLACK OR WHITE











T300
Toray T300
HigthTensile 3530
MPa carbon fiber
fabric - Twill fabrics
construction.



AIR







### SIZING TABLE - 2 PCS WETSUITS MAN (CM)

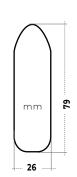
		неіснт	WEIGHT	NECK	TORAX	WAIST	HIPS	CROTCH NECK	BICEPS	FOREARM	WRIST	ARM	ТНІСН	CALF	ANKLE	ANKLE INSEAM
	T1	160/167	55/65	39	86	72	81	61	27	24	16	49	53	33	19	66
	T2	167/175	65/75	40	92	78	87	63	29	25	17	50	54	34	20	69
•	T3	175/182	75/83	41	98	85	93	65	32	26	18	53	56	35	22	71
	T4	182/190	83/90	42	105	91	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.







## Knife Master

The polypropylene sheath has a double

seal: mechanical on the blade and with an O-ring on the handle.

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



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.



