

BIO FIN PRO GREEN (RUBBER STRAPS)

The Apollo Bio-Fin Pro (Rubber Strap) – Green is a professional-grade split-fin propulsion system engineered to maximise underwater propulsion efficiency while significantly reducing diver fatigue. Constructed from 100% natural rubber using Apollo’s proprietary material blend, the fin delivers consistent flexibility, durability and performance across a broad range of operational temperatures.

The hydrodynamic split-blade profile generates forward thrust and lift on both upstroke and downstroke, reducing air consumption by up to 40% compared with conventional paddle fins.

Designed and field-tested for military operations, the Bio-Fin Pro is suitable for surface and subsurface insertions, including helicopter water entry profiles



FEATURES

- Split-fin propulsion system increases thrust and reduces air consumption by up to 40%.
- 100% natural rubber construction provides flexibility, strength, and consistent performance across temperature ranges.
- Designed for low drag and reduced leg strain during extended missions.
- Adjustable rubber straps for a secure and ergonomic fit with drysuit or wetsuit boots.
- Compact hydrodynamic design for helicopter and surface insertion operations.
- Proven in all forms of military diving: MCT, MTO, MCM, and UBDR.
- Non-corrosive components suitable for salt-water and contaminated environments.





SPECIFICATIONS

- **Material:** 100% natural rubber
- **Strap Type:** Adjustable rubber strap (standard)
- **Fin Type:** Split-Fin
- **Finish:** Olive Green
- **Weight:** Approx. 1.5 kg per pair
- **Brand:** Apollo



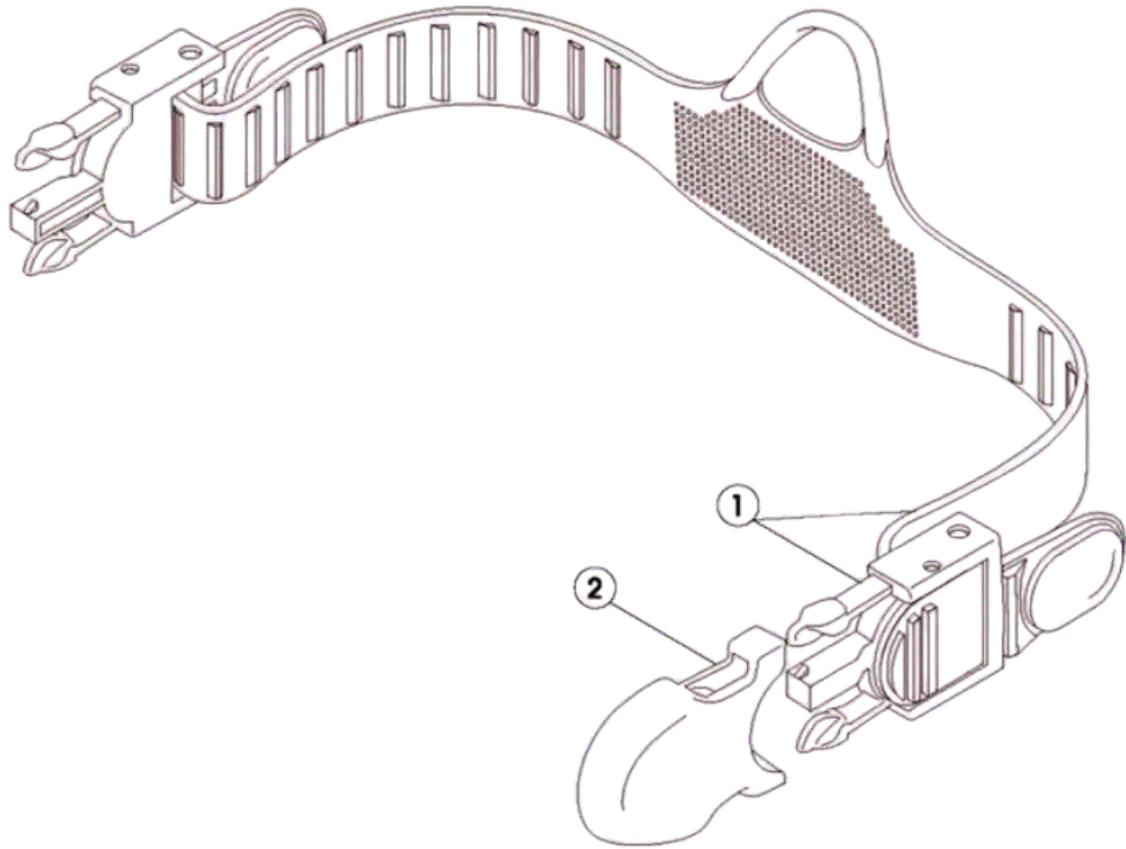
OPERATIONAL INFORMATION

- **Operational Compatibility:** Compatible with all military and commercial fin retainers, spring strap upgrades available (Bio-Fin Pro Stealth).
- **Applications:** Maritime Counter-Terrorism (MCT), Maritime Tactical Operations (MTO), Mine Counter-Measures (MCM), and Underwater Battle Damage Repair (UBDR).
- **Maintenance:** Rinse in fresh water after use; avoid prolonged UV exposure.
- **Field Performance:** Tested for helicopter drops and diver insertions; maintains propulsion efficiency in both surface and sub-surface operations.

CODIFICATION DATA

APOLLO SKU	OEM SKU	SIZE	LENGTH (mm)	USA SIZE	UK SIZE
FN01620	1508280001G	M	275	8-9	7-8
FN01630	1508480011G	L	300	9-10	8-9
FN01640	1508580010G	XL	325	10-11	9-10

BIO FIN STRAP ASSEMBLY



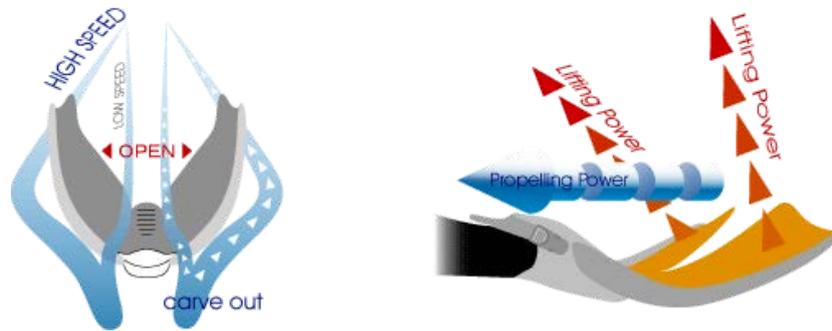
No.	APOLLO SKU	OEM SKU	DESCRIPTION
1	SP92730	2502080302	BIO FIN STRAP ASSY WITH MALE BK
2	SP92731	3502080200	FEMALE BUCKLE FOR BIO FIN BK

HOW THE BIO FIN WORKS

The Apollo Bio-Fin delivers enhanced lift and propulsion while requiring reduced diver effort, resulting in greater efficiency and power output per kick cycle.

Unlike traditional flat-blade fins that simply push water vertically, the Bio-Fin generates forward thrust and hydrodynamic lift on both the upstroke and downstroke. Its engineered blade profile channels water smoothly across the leading and trailing edges, optimising flow dynamics.

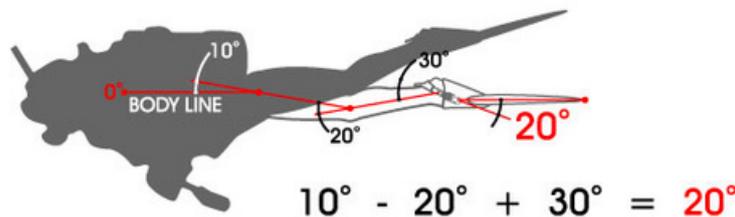
The result is controlled lift and accelerated forward movement, operating on principles similar to an aircraft wing to maximise propulsion efficiency.



FIN STROKE EFFICIENCY

The Bio-Fin's 20° blade angle aligns with the diver's natural knee and ankle flex, allowing the fin to work with the body rather than against it.

This reduces strain, enhances propulsion efficiency, and improves overall comfort. Apollo's material selection and engineered blade profile provide fast acceleration and high power output while maintaining low fatigue.



ERGONOMIC DESIGN

Engineered with a propeller-like action, the Bio-Fin provides superior efficiency over traditional paddle fins.

This design maximises thrust while lowering energy expenditure, enhancing both speed and control. Independent field evaluations confirm that divers can reach and sustain higher speeds with the Bio-Fin than with standard fin designs.