

SCADE

Self-Contained Air Breathing Dive Set

Proposal



NORTHERN DIVER
MINE WARFARE & MILITARY DIVING SPECIALISTS

NDIVER-MILITARY.COM



Northern Diver SCADE Dive Set

Designed and manufactured in the UK, the Northern Diver SCADE Self-Contained Air Breathing Dive Set is a fully modular system built for versatility and reliability.

With the Tool and Test Kit, the set reconfigures seamlessly between:

- Std FFM (Full Face Mask)
- HMV (Half-Mask Variant)

As the originator and sole manufacturer, Northern Diver controls the entire production process. This guarantees quality, availability, and future adaptability, including integration of telemetry and wireless technologies.



Designed, developed and manufactured in the UK



KEY ADVANTAGES

Risk Reduction & Safety – engineered for reliability in the most demanding conditions

Modular & Interoperable – one system, multiple configurations

Simplified Maintenance – common parts and service kits, reduced through-life costs

Low Supply Chain Risk – UK in-house design and production ensures security, speed, and support

Human Factors – optimised for 5th–95th percentile male and female divers

Standards & Certifications – EN250:2014, PPE Regulation 2016/1425, 50m depth compliant and CE marked

SCADE - FFM



SCADE - HMV





SCADE Standard System

The SCADE (Standard) System is a fully modular air-breathing set, designed for rapid configuration to meet mission requirements.

MASK OPTIONS



Configurable as the Odyssey Full Face Mask or Half Mask Variant using the Tool & Test Kit (TTK).

EQUIPMENT FOR SCADE STD

	PART NAME.
	Odyssey Full Face Mask Assembly Including Side Block
	Main Hose Braided Colour Black
	Bail Out Hose Braided Colour Yellow
	BCD Assembly - ND Military (BCD & 0.35L Cylinder)
	10L 300bar Faber Steel Cylinder Primary Supply
	3L 300bar Faber Steel Cylinder Secondary Supply
	Cylinder Bands Assembly



	PART NAME.
	First Stage Regulator (Main)
	First Stage Regulator (Bail Out) With Relief Valve
	Triple Gauge Pressure, Depth & Compass
	HP Elbow
	R.A.I.D Case

ADDITIONAL EQUIPMENT REQUIRED TO CONVERT FROM SCADE STD TO HMV

	PART NAME.
	Half Mask
	Second Stage Regulator
	Octopus Regulator
	Mouthpiece Assembly



Surface Supply Diver Panel

A compact and efficient air delivery system designed for military diving operations. It supports up to three divers simultaneously (2 divers and a standby diver), supplying breathing gas via high-pressure (HP) umbilicals.

The system is ideal for mission-critical underwater tasks requiring safety, reliability, and efficiency.



SCADE & DIVER PANEL SET-UP





Optional LAWS

LOW AIR WARNING SYSTEM

Provides a hands-free, visual indication of remaining air pressure, enabling rapid response and safe ascent. It integrates seamlessly with the Odyssey Full-Face Mask or Half Mask variants.

Mounted at the lens edge, the LED colour code is clearly visible to both diver and buddy without obstructing vision, enhancing situational awareness and confidence.





ON/OFF SWITCH

RED LIGHT

Flashing at 50bar shows low main cylinder pressure.

GREEN LIGHT

Low light shows optimal battery.
Green flashing light shows low battery.

WHITE LIGHT

Starts flashing at 170bar indicating bail out cylinder is in use.

CHARGING PORT



- Transmitter easily attaches to first-stage regulator
- Allows for both diver and buddy to see air supply warnings clearly
- Does not obstruct diver's forward vision
- Engineered for reliability and flawless FFM and HMV systemic integration
- Wireless RF design, eliminating wiring and reducing snag hazards

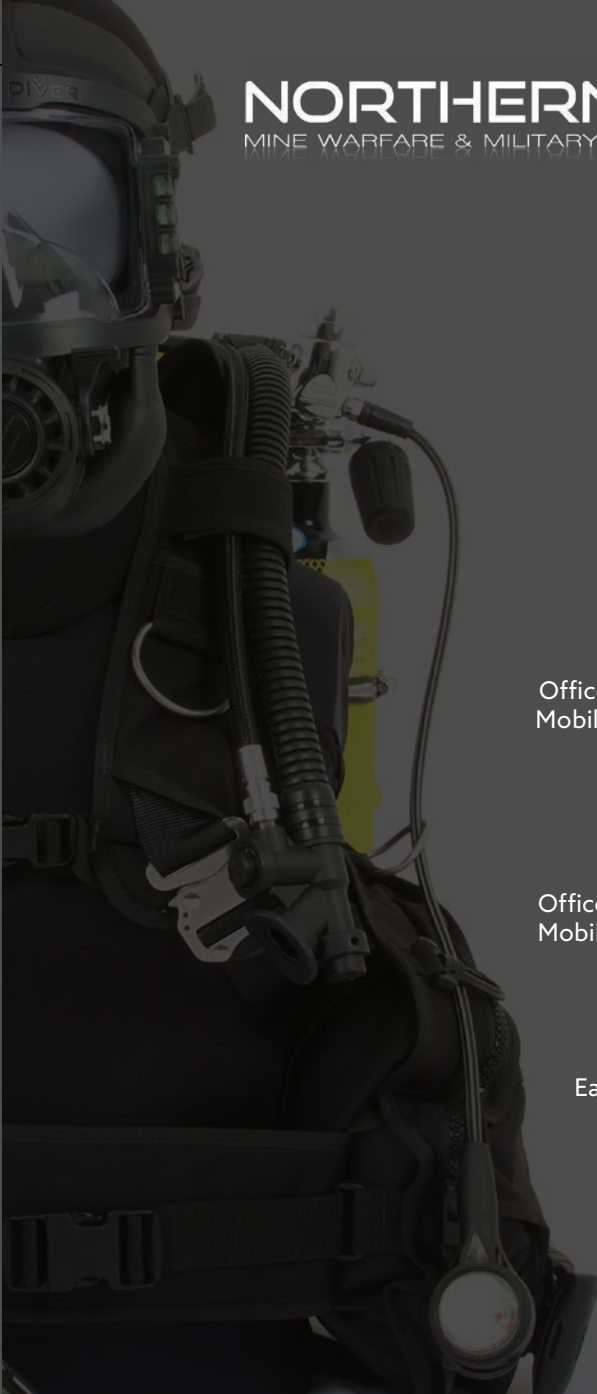




Maintenance Tool and Test Kit (TTK)

To support ongoing reliability, a Maintenance Tool and Test Kit is available on request. This kit provides all the essential tools and equipment needed to carry out scheduled servicing and functional checks of the SCADE system.

It has been designed to ensure that maintenance can be completed quickly and effectively, whether in the field or within a dedicated workshop environment. By enabling routine upkeep and testing, the kit helps extend system life, reduce downtime, and maintain operational readiness.



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