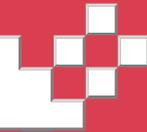


RUTH LEE™



HELICOPTER WINCH TRAINING MANIKIN

FOR PROFESSIONALS WHO SAVE LIVES

Specifically designed for HEMS and SAR teams, the Ruth Lee Helicopter Winch Manikin enables realistic, safe training in horizontal casualty extractions from water.

Developed in collaboration with Bristow Helicopters UK, it replicates best clinical and aviation practice to reduce the risk of circum-rescue collapse. With a stable float profile, adjustable buoyancy, and compatibility with all major lifting systems, it delivers hands-on realism in every drill. Bright, airlift-safe, and built to withstand repeated use, this 40 kg manikin prepares teams for high-stakes rescues—so when every second counts, your lift is safe, smooth, and effective.



PART OF PROTECT MEDICAL.
GET IN TOUCH TO FIND OUT
MORE ABOUT THE RANGE
OF MEDICAL AND RESCUE
PRODUCTS AVAILABLE FROM
OUR SISTER BRANDS.

SPEAK TO THE EXPERTS:

+44 (0) 1490 413 282 MAIL@RUTHLEE.CO.UK WWW.RUTHLEE.COM



HELICOPTER WINCH TRAINING MANIKIN

IDEAL FOR THE FOLLOWING TRAINING SCENARIOS:

Designed specifically for helicopter based water rescues where the casualties must be winched directly from water.

SPECIAL MATERIALS:

Carcass constructed from nylon mesh. High density webbing (25mm rated to 200 Kg, 50mm rated to 435Kg with a +/-5% range). SOLAS reflective tape compliant with US Department of Transportation specification USCG 46 CFR, section 164.018, and International Maritime Organisation (IMO) resolution A.658(16). Non-absorbent closed cell foam – water absorption: 1 Day <0.1 (DIN 53428 1986) 28 Days < 0.5% VOL. Overall constructed from the same material used in Police ballistic/stab vests (conforms to OEKO-TEX® Standard 100, BS EN ISO 12947-2 & 14116: 2008).

FEATURES & BENEFITS:

- Has lighter legs than the standard Man Overboard model, meaning that the legs float more readily when fitting the harness/strops in water.
- The manikin will sit in a stable “W” position whilst winched to the helicopter.
- Compatible with standard and Hypothermic Lifting straps.
- Buckle clips on the inside knees and ankles allows for the option of keeping legs together.
- The tough nylon mesh carcass allows the water to penetrate quickly, allowing the legs to drop beneath the surface, leaving only the head and shoulders visible, if desired.

- Dry weight 40Kg (Adult) increases to approximately 65Kg retrieval weight from water.
- Floats horizontally, vertically or at 45 degrees, to simulate a live person or dead body – achieved by redistributing foam pieces within the overalls in a matter of seconds.
- Bright orange overalls and SOLAS reflective tape on the head make the manikin highly visible in open water.
- Strong webbing loop at the back allows easy handling, storage and suspension for drying.
- The soft feet are designed to allow rapid drainage to prevent too much water in the helicopter.
- Comes complete with overalls and soft feet, which are easily replaced if damaged.

NOT SUITED FOR:

- Use in temperatures above 100°C or flashover scenarios – See our Fire House manikin.

OPTIONAL EXTRAS:

- Black Search & Rescue hoodie to part cover the manikin to decrease visibility in the water.

RELEVANT TO:

- Coastguards & Lifeguards.
- Ministry of Defence Army and Navy.
- Fire & Rescue Services.
- Offshore operators.
- Shipping industries.

Designed and tested with assistance from the experts at Bristow Helicopters

AVAILABLE WEIGHTS & SIZES:

DESCRIPTION	MODEL CODE	HEIGHT (M)	WEIGHT (KG)	NATO STOCK #
Adult Manikin	RLNWHW	1.8	40	6910-99-753-0317



FOR PROFESSIONALS WHO SAVE LIVES



Information correct at time of publication 08.01.2026

Please be aware material specification is subject to change at any time, sometimes without notice. If specification is vital please contact our Head Office 01490 413 282