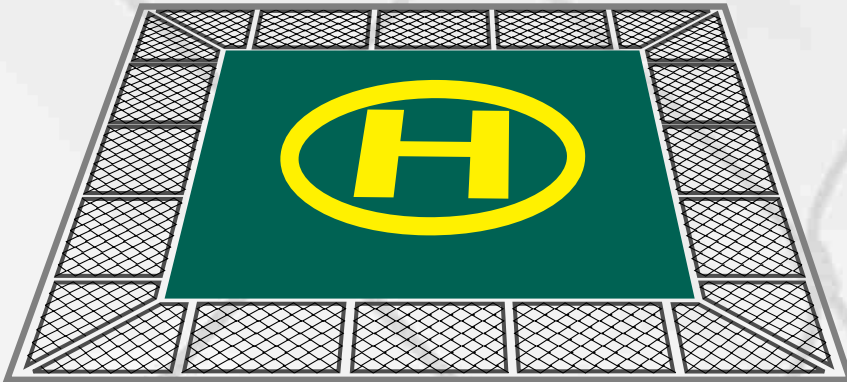


HELIMESH™



What is HELIMESH™?

HELIMESH™ is a stainless steel safety net system specifically designed for offshore helicopter landing deck perimeter structures.

(Note: HELIMESH™ is not suitable for anti-skid helicopter landing deck net applications)

The HELIMESH™ Advantage

Manufactured from 316 Stainless Steel Wire Cable & Tube Frame, HELIMESH™ is extremely resistant to corrosion, even in the harshest offshore conditions. Unlike other safety nets made from synthetic rope / webbing or PVC coated fencing mesh, HELIMESH™ will not burn or melt and will not deteriorate with exposure to UV rays, salt spray etc. Given its long life expectancy, HELIMESH™ will dispense with repeated costly installations of inferior safety net systems and should outlast the life span of the facility. HELIMESH™ safety net panels are light-weight, pre-fabricated in any shape or size ready to install, and can be installed without scaffolding.

All materials and tools required for installation are supplied with delivery of the safety net panels.

Quality

In selecting HELIMESH™ you can be guaranteed of the highest quality products and materials. Extensive material testing by third-party PMI (Positive Materials Identification) via spectrometer is undertaken with every project and verifies manufacturer's mill and material certificates. All relevant documentation and certificates are compiled in a job specific MDR (Manufacturer's Data Report) and supplied on completion of the job.

Standards

HELIMESH™ has been subjected to rigorous drop / impact testing under the supervision of DNV (Det Norske Veritas) and exceeds the testing requirements of British CAA CAP437 (latest release December 2008) Offshore Helicopter Landing Areas, Safety Nets and Oil & Gas UK - Helideck Perimeter Safety Nets - Issue 2 - March 2008.

Options

HELIMESH™ can be manufactured with either copper or 316 stainless steel joiners & terminations depending on client preference. HELIMESH™ is normally installed by the facility's helideck maintenance crew however a specialist crew can also be provided if required or preferred.

Contact

To learn more about HELIMESH™ please contact :



Australia Office

Tel +(61)-8-9470-5822
sales@helimesh.com



www.helimesh.com

Denmark Office

Tel +(45)-2811-7277
jan@helimesh.dk



HELIMESH™



Project History / Clients

HELIMESH™ has been supplied and fitted to the following companies and facilities:

APACHE ENERGY Ltd

- Ocean Legend (FPSO), North West Shelf, Western Australia
- Reindeer Wellhead Platform, North West Shelf, Western Australia

BG ENERGY

- Miskar B Platform, Tunisia

BG EXPLORATION & PRODUCTION

- BG Hydra Project, PK & SWP Wellhead Platforms, India

CHEVRON SHIPPING Co.

- LPG FSO Escravos, Nigeria

CHEVRON THAILAND EXPLORATION & PRODUCTION

- Platong 2 Living Quarters Module, Gulf of Thailand

CONOCO PHILLIPS

- WP1 Platform, Bayu Undan Project, Timor Sea
- CUQ Platform, Bayu Undan Project, Timor Sea
- FSO Liberdade, Bayu Undan Project, Timor Sea

CUU LONG JOINT OPERATING Co.

- Su Tu Den North East Wellhead Platform B, Vietnam

DOLPHIN DRILLING

- Borgholm Dolphin, Accommodation Module, North Sea
- Borgsten Dolphin, Semi-Submersible Drill Rig, North Sea

H.O.E.C.

- PY1 Sun Platform, India

LEIGHTON CONTRACTORS MALAYSIA

- Leighton Eclipse Pipe Laying Barge, Batam, Indonesia

MABRUK OIL

- FPSO Farwah, Libya

MAERSK OIL QATAR

- Al Shaheen LQ Module, Qatar

MELLITAH GAS

- Sabratha Platform, Libya

OIL & NATURAL GAS CORPORATION Ltd.

- NTP-1 & NTP-2 Well Platforms, North Tapti Gas Field, India

P.T. SAMUDRA INDONESIA

- Barges SM-01 & SM-02, Indonesia

P.T.T.E.P.

- Arthit Wellhead Platforms 11, 12, 13, 14, Gulf of Thailand

SAIPEM S.p.A.

- Rig 5820, Libya

SEAWAY HEAVY LIFTING

- Oleg Strashnov Heavy Lifting Crane Vessel, Worldwide Services

SEDCO

- FPSO ELXM2, Nigeria

SUBSEA 7

- Rockwater 2 (Support Vessel), Malaysia

SWIRE PACIFIC

- 111m Accommodation Work Barge, S.E. Asia / West Africa

TRANSOCEAN

- Jack Bates Semi-submersible Drill Rig, North West Shelf, Western Australia
- Jim Cunningham Semi-submersible Drill Rig, Angola

WOODSIDE ENERGY Ltd

(Australia's Largest Oil and Natural Gas producer)

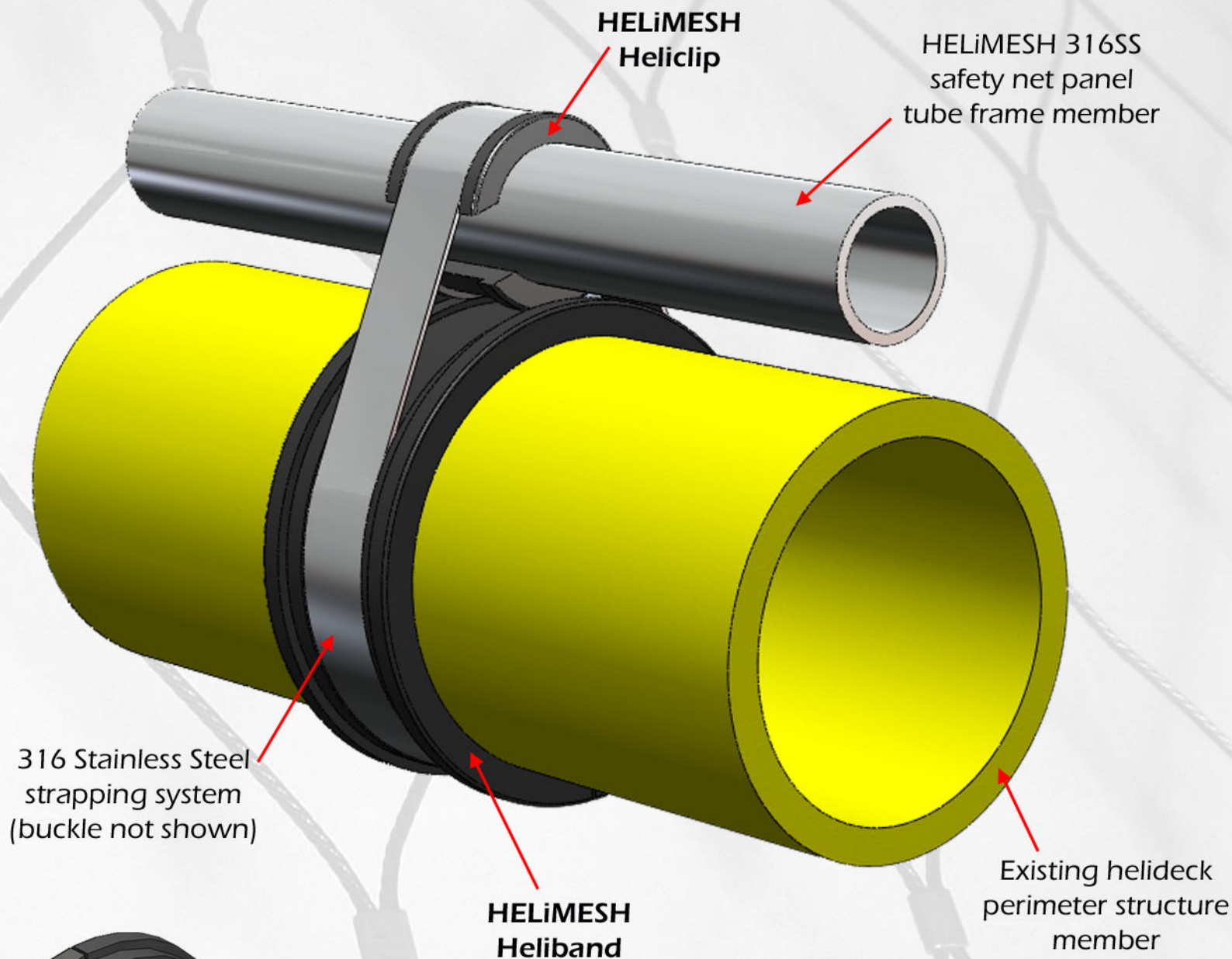
- Cossack Pioneer (FPSO), North West Shelf, Western Australia
- North Rankin A Platform, North West Shelf, Western Australia
- FPSO Okha, North West Shelf, Western Australia



HELIMESH™ helideck perimeter safety net panel fastening system for pipe / tube

HELIMESH Helibands and Heliclips are injection moulded using 100% virgin UV Stabilised HDPE (High Density Poly Ethylene) providing a neat and professional appearance; durability and easy Installation.

For fixing Helimesh safety net panels to 'C' section / channel or 'I' beams the Helisaddle system is now available.



316 Stainless Steel strapping system (buckle not shown)

HELIMESH Heliband

Existing helideck perimeter structure member



HELIMESH Heliband

To suit the following tube / pipe sizes:

- 48.3 - 54mm dia.
- 60.3 - 63.5mm dia.
- 73.0 - 76.3mm dia
- 80.0mm dia. **New!**
- 88.9mm dia.
- 101.6mm dia. **New!**

HELIMESH Heliclip

To suit standard Helimesh tube frame 19.05mm dia.



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www.helimesh.com



Australia Office
sales@helimesh.com



Denmark office:
jan@helimesh.dk

NEW!

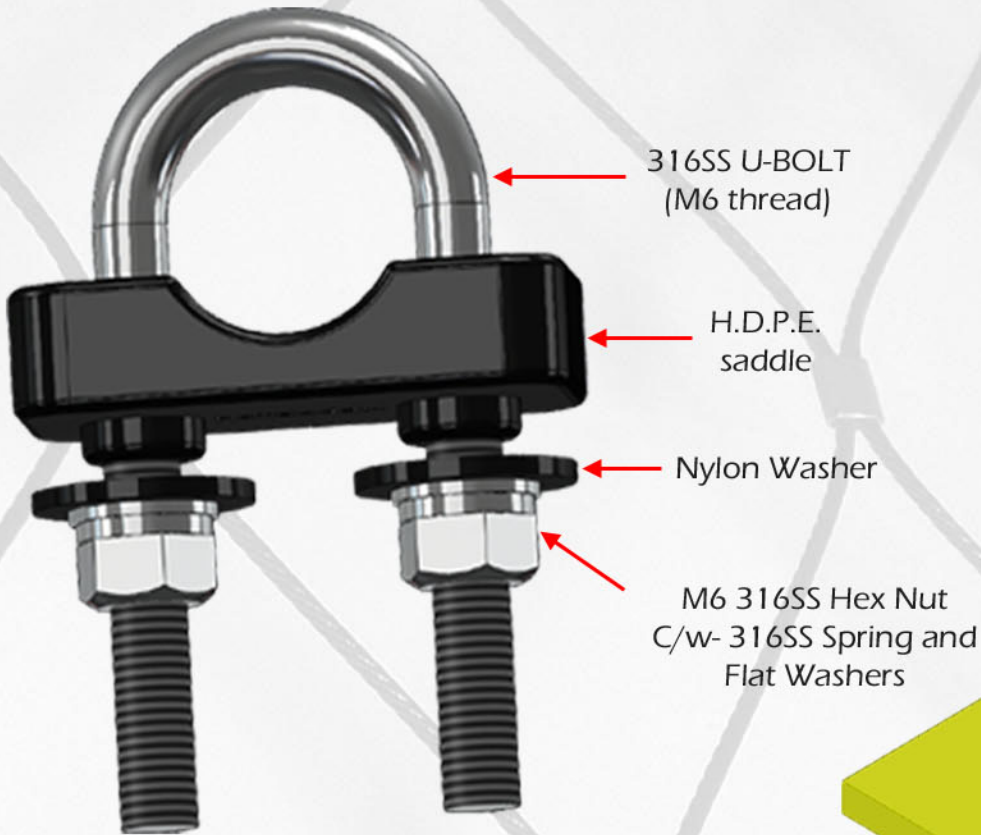
HELIMESH™ Helisaddle

Helideck perimeter safety net panel fixing system

The HELIMESH Helisaddle fastening system is specifically designed for the fixing of HELIMESH safety net panels to helideck perimeter structures constructed from Channel / C-section. The system provides 100% isolation of 316 stainless steel Helimesh components and the steel or aluminium helideck perimeter support structure.

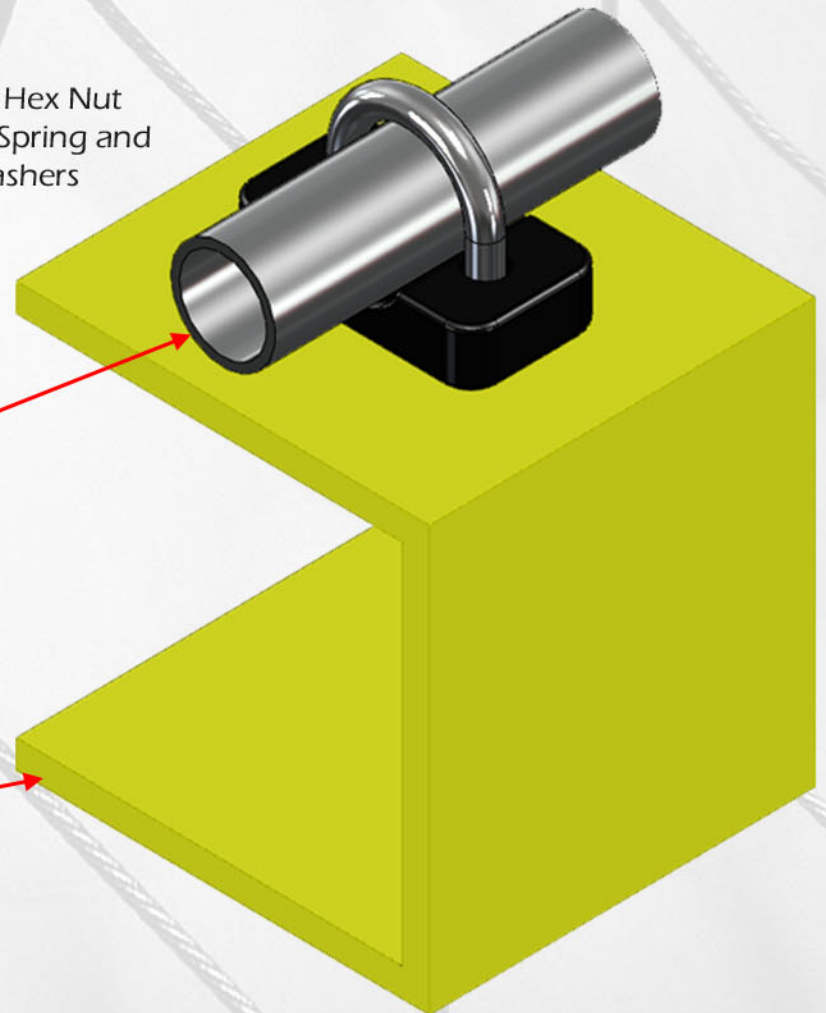
Note that when fixing Helimesh safety net panels to helideck perimeter support structures constructed from Pipe or Tube that the Heliband-Heliclips fastening method should be used.

HELIMESH Helisaddles consist of an injection moulded saddle made from 100% virgin UV Stabilised H.D.P.E. (High Density Poly-Ethylene) and 316 stainless steel nuts and washers.



HELIMESH Helisaddle

- * To suit standard Helimesh tube frame 19.05mm dia.
- * U-bolt material batch metallurgically tested to verify grade 316SS
- * For fitting, drill 2 only 11mm or 7/16" dia. holes at 25.5mm or 1" centres



HELIMESH 316SS safety net panel tube frame member

Existing helideck perimeter structure channel section (shown as channel size 75x75x5mm)



www.helimesh.com



Australia Office
sales@helimesh.com



Denmark office:
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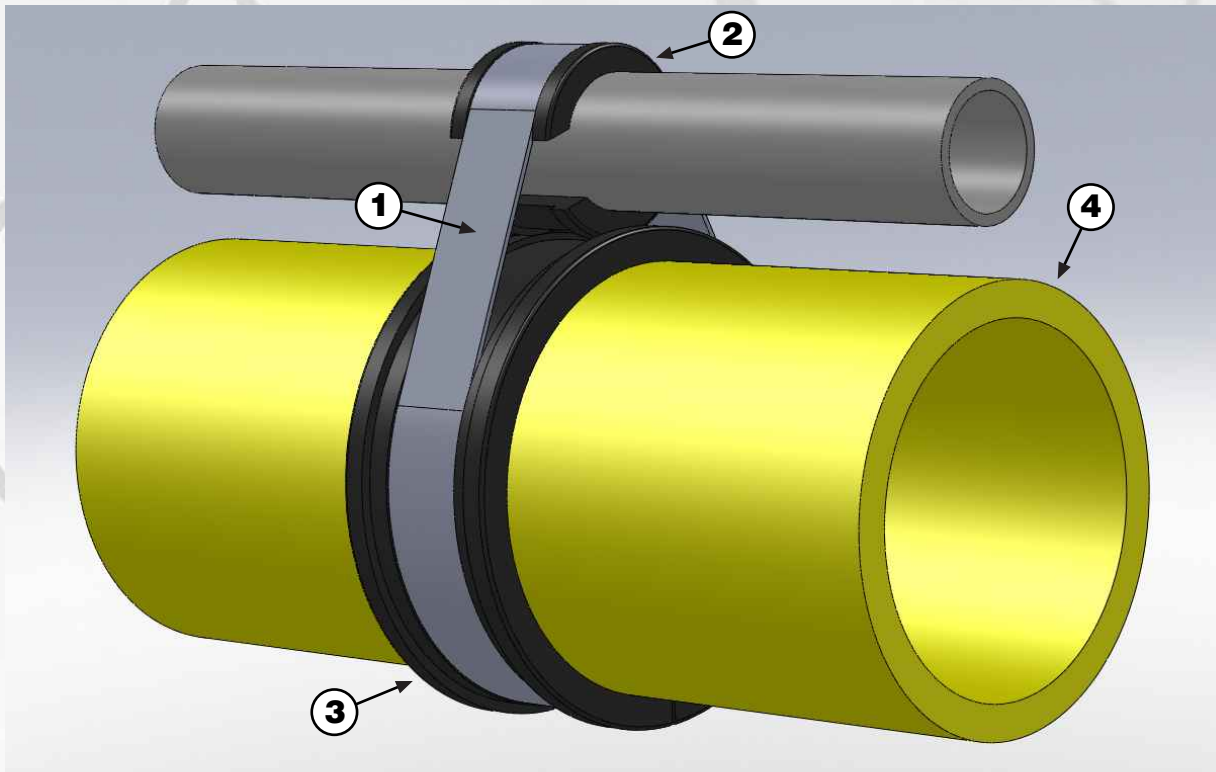
HELIMESH™



INSTALLATION PROCEDURE

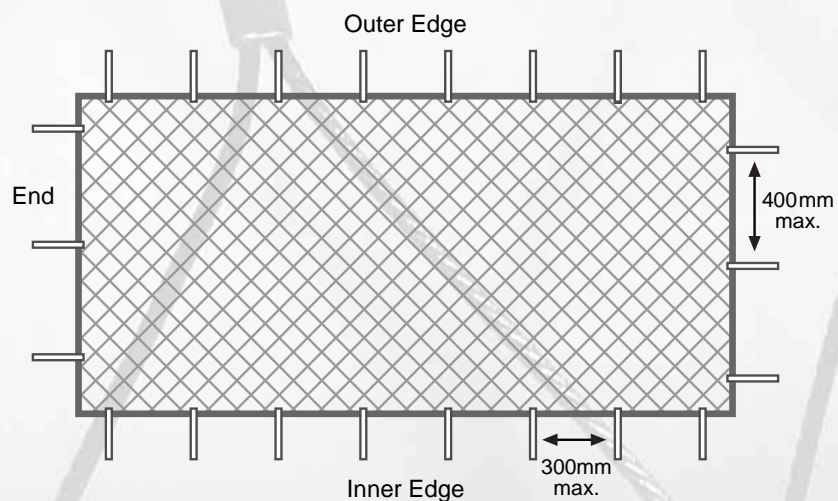
Installation is a relatively simple procedure using pre-supplied items from HELIMESH

1. 316 Grade Stainless Steel Strapping & Buckles (note: buckle not shown)
2. Heliclip (provides positive location for stainless steel strapping and Heliband)
3. Heliband (isolates stainless steel strapping from perimeter structure)
4. Existing helideck perimeter structure
5. Stainless steel strap tensioning tool (not shown)



316 Stainless Steel Strap Spacing & Fitting Procedure

- Care must be taken to insure that strapping intervals are a maximum of 300mm centres on Helimesh safety net panel inner and outer edges and 400mm centres on panel ends
- Refer Strapping Tool Instruction Leaflet provided for correct strapping method



HELIMESH™



TECHNICAL SPECIFICATIONS & MEASURING DETAILS

TUBE FRAME & NETTING

WIRE: 2.4mm Ø 7x7 316 Grade Stainless Steel

FERRULES (JOINERS): Annealed 316 Grade Stainless Steel or Copper (Client preference)

TUBE FRAME: 19mm OD x 1.6mm Wall 316 Grade Stainless Steel

FASTENING MATERIALS

STRAPPING: ½" wide, 316 Grade Stainless Steel

BUCKLES: ½" size, 316 Grade Stainless Steel

HELICLIP - UV Stabilised HDPE Helimesh tube frame isolator

HELIBAND - UV Stabilised HDPE perimeter structure isolator

(sizes to suit 48.3 to 54.0mm dia. and 60.3 to 63.5mm dia. tube/pipe)

316 SS BUCKLE



316 SS STRAP



STRAP TENSIONING TOOL



HELICLIP

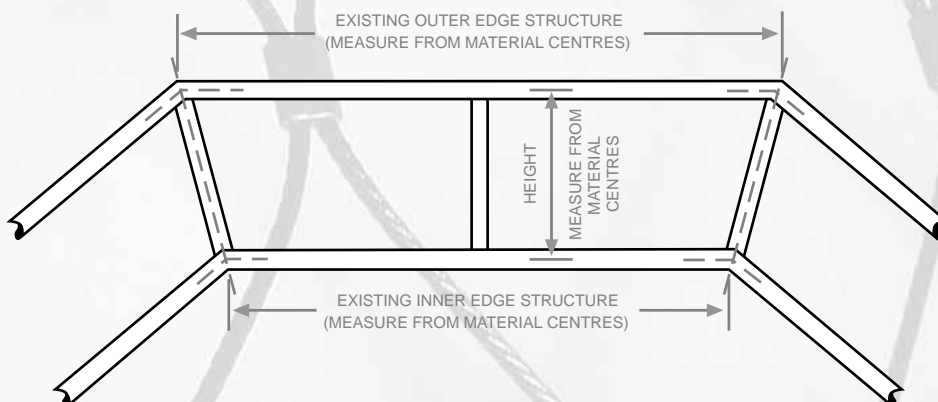


HELIBAND

MEASURING

As each HELIMESH panel is custom made to fit existing heli-deck platform perimeter structures it is important to survey and accurately measure the as-built structure dimensions. With this information provided, HELIMESH panels are designed & modelled to suit.

To assist with measuring please follow the following example:



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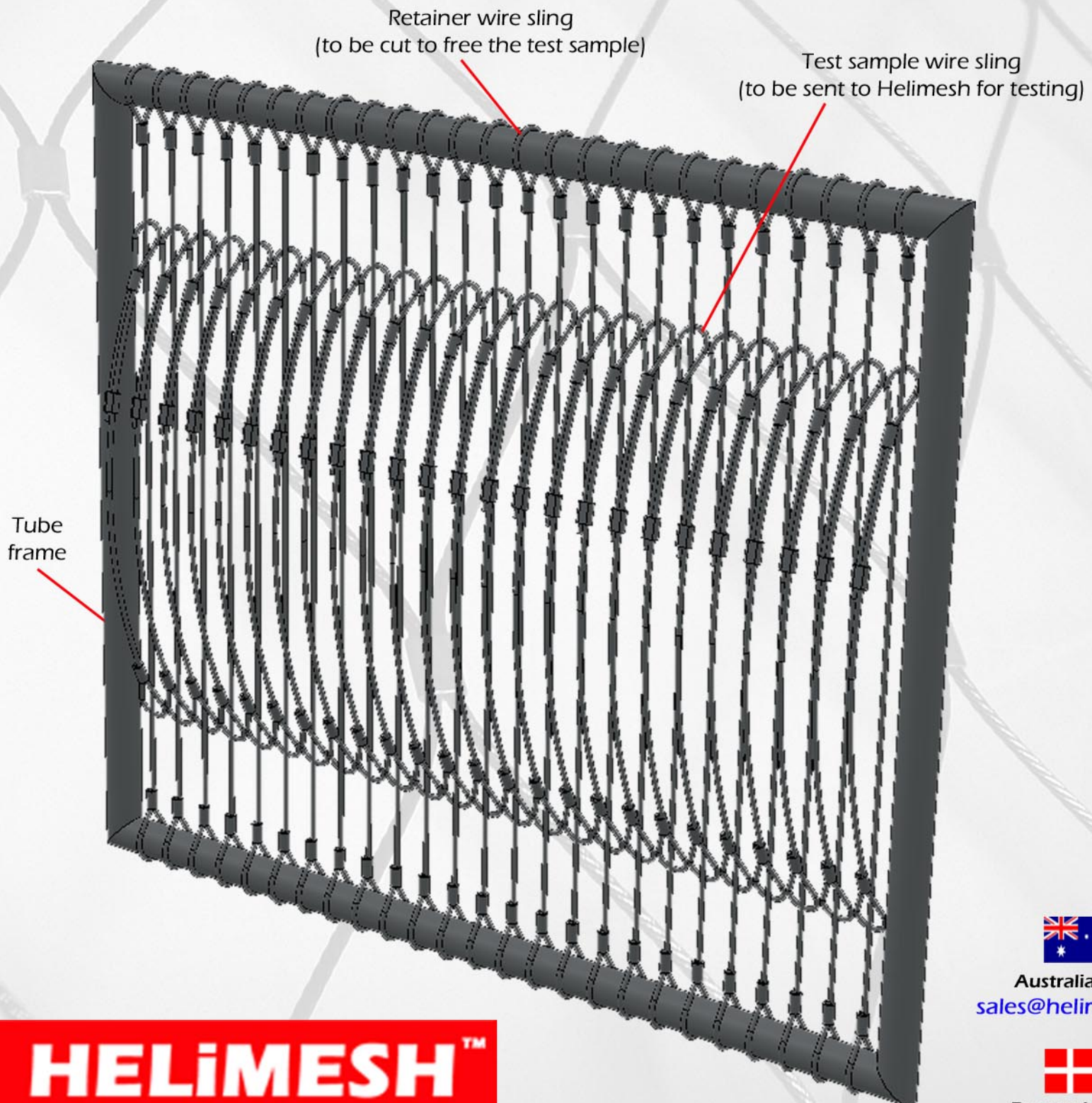


New **HELIMESH™** 25 year service life indicator safety net test wire assembly

Helimesh is pleased to introduce it's new 'Service Life Indicator' system which will be included as standard on all projects.

This system will allow the operator / facility manager to remove one sample wire per year and send to Helimesh for testing. Based on an expected positive test result, this system will provide peace of mind, year after year.

The Helimesh Service Life Indicator panel is to be fixed in a readily accessible location that will be subjected to the same environmental elements as the installed Helimesh helideck perimeter structure safety net panels.



Australia Office
sales@helimesh.com



Denmark office:
jan@helimesh.dk

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www.helimesh.com

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