



dropsafe™

drops prevention devices



Enhancing Overhead Safety™

What you will learn about today



- ◆ Dropsafe 'Mesh Safety Covers'
- ◆ How the products work
- ◆ Product development history
- ◆ Quality assurance
- ◆ Where to use the products
- ◆ Questions



Dropsafe 'Mesh Safety Covers'

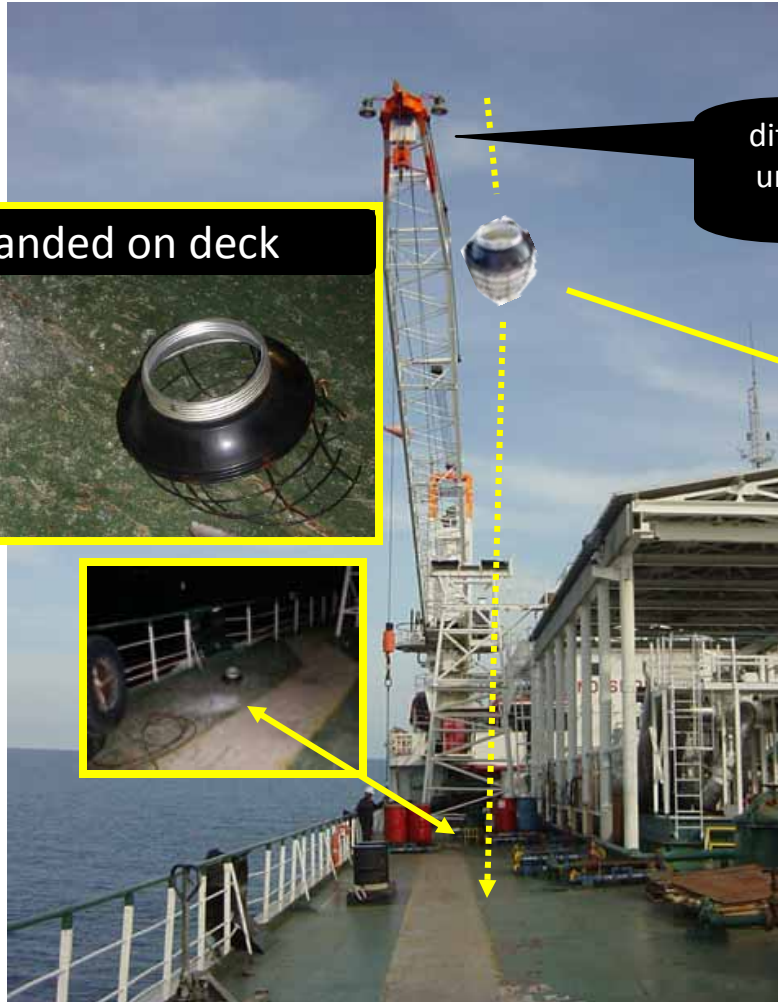


- ◆ Protect personnel from overhead DROPS hazards.
- ◆ Secures overhead fixtures (e.g lights, speakers, CCTV cameras)
- ◆ For use on derricks, cranes, lighting towers and other overhead locations.

The 'DROPS' problem



EFSO Starboard Crane



After landed on deck



diffuser assembly that mounted underneath of the light fixture, fallen down.



Part that fall:
"GLOBE & GUARD"
(diffuser assembly)

Courtesy of ESSO

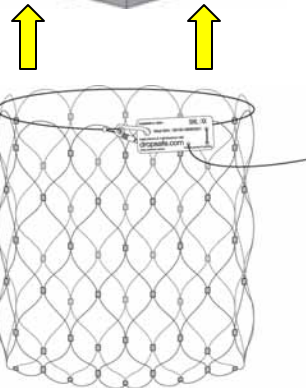
The Dropsafe solution



How the products work



- ◆ Encloses the fixture and fixture components
- ◆ Securing cable retains fixture to structure
- ◆ Mounting bracket can also be secured.
- ◆ Available in different sizes



◆ SUS 304 stainless steel components →



Other safety applications for technology



- ◆ Safety netting panels (small mesh size)
- ◆ Newly commissioned rigs or rigs coming out of refit
- ◆ A greater instance of loose objects located above personnel.



Dropsafe development history



- ◆ 11 years in business specializing in the production of products made from our Patented wire mesh technology.
- ◆ We were contacted from within the industry for safety solutions for overhead fixtures
- ◆ One year to develop product and QA process so suitable for DROPS prevention



Quality Assurance



- ◆ We set a high bench mark in development
- ◆ Products exceed a safety factor of 5 (5 x' product SWL)
- ◆ Independent testing by SGS
- ◆ Manufacturing inspected by SGS
- ◆ Clear traceability of the testing and manufacturing inspection on product test certificate

Dropsafe Mesh Safety Cover Certificate of Test and Examination

Product name : Mesh Safety Cover - flood light - Box shape

Model number: 00100

Serial numbers: 090800100 - 090800160 (example only)

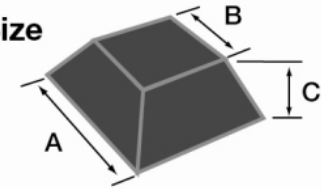
Safe Working Load (SWL): 60 kg

Fixture Shape / Size

A = 460mm (18")

B = 350mm (14")

C = 280mm (11")



Item	Mill certificate reference	Testing company	Test report number	Manufacturing document No	Finished product manufacturing pass stamp and date
Mesh joining clip material	08061022501A	SGS	2097741SD/2098659SD	DS0.7mmSUS304Strip	
Ferrule, 3mm	22-Jun-09	SGS	2098662SD/2095016SD	DS3mmCFer001	
Hook	22-Mar-09	SGS	2097519SD/2095017SD	DSSUSHook001	
Mesh wire rope SUS 304, 1.5 mm	10-Dec-08	SGS	2097740SD	DS1.5mmWMCPPerPT	
Securing cable choke	21-Jul-09	SGS	2094834SD/2096582SD	DS2mmSSChokePT	
Securing cable SUS 304, 3 mm with ferrule	30-Apr-08	SGS	2094837SD	DS3mmCFerPT	
Mesh wire rope with joining clip	N/A	SGS	2098292SD	DS1.5mmWMCPPerPT	
+500°C temperature test	N/A	ADDA	090902AD	N/A	
-40°C temperature test	N/A	ADDA	090911AD	N/A	
Assembled product	N/A	SGS	2097823SD	00100	

Last manufacturing process audit	Audit company	Report number	Comments
13-Aug-09	SGS	2094777SD	N/A

Manufactured by : Dropsafe Limited	Mail To	Vessel/facility name:
17th Fl, 444 452 Des Voeux Rd West	Dropsafe Limited	Installation location:
Hong Kong	GPO Box 11464	Installed by:
Tel: +852 2575 0921 - Fax+852 2572 4466	Hong Kong	Installation date:
info@dropsafe.com		



Safety Alert

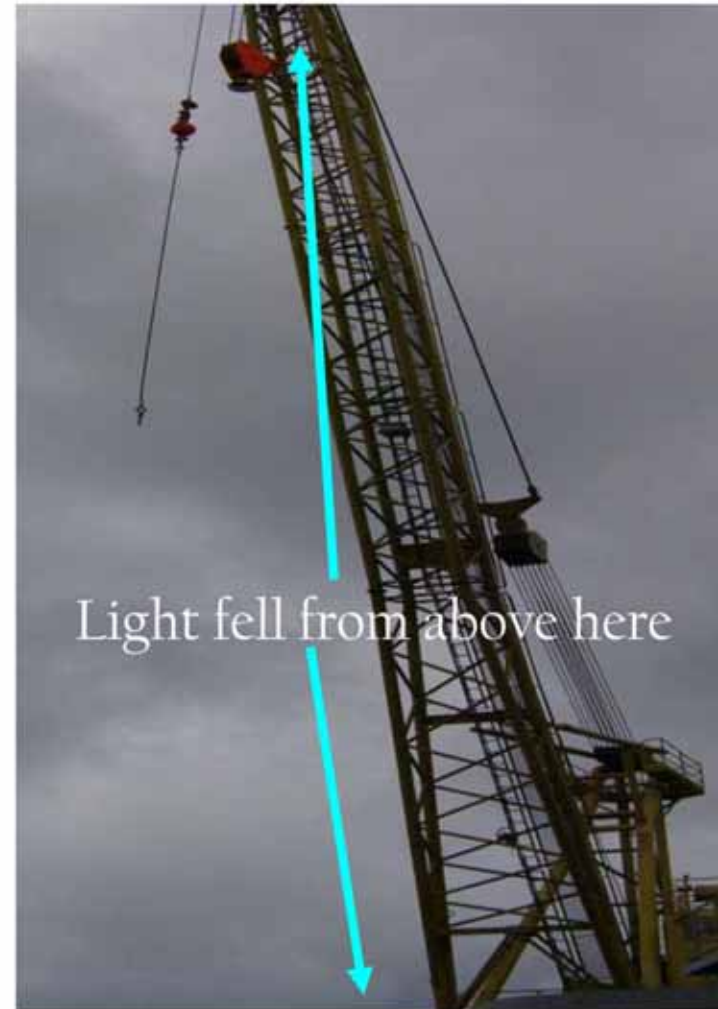
From the International Association of Drilling Contractors

ALERT 09 – 25

HIGH POTENTIAL INCIDENT – DROPPED LIGHT

WHAT HAPPENED:

A 23 lb spotlight fell 90 feet (27.5 m) from a crane boom to the rig deck. The operation at the time was slewing the bow crane to over the chemical hatch from its stowed position at the forward leg. Having visually confirmed that the hook would not catch on any equipment on the radio room roof, the crane operator started to slew the crane toward the accommodation. As he did so the light fell to the deck beside the blue container pictured below. It then bounced and struck the wall of the radio room before coming to rest in the position shown. No one was in the area at the time of the incident.





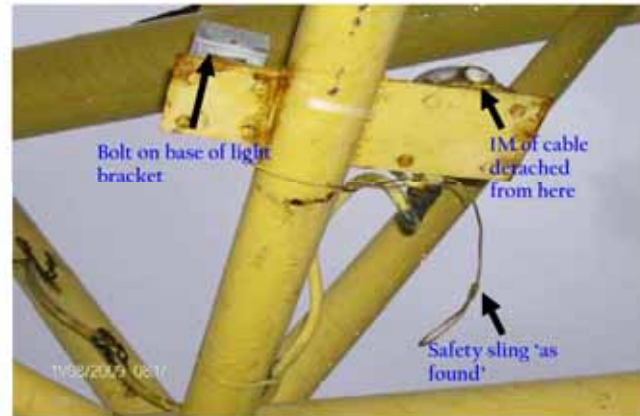
Safety Alert

From the International Association of Drilling Contractors



WHAT CAUSED IT:

1. The secondary retention wire was not properly attached to the light. Therefore it did not retain the falling light.
2. The vibration mounting was not as per original OEM recommendation.
3. The crane lights are not included in any maintenance, inspection or Dropped Object Survey.



- ◆ Current tethering methods don't have a standard or independent testing
- ◆ Current methods do not enclose the fixture



Where to use the Dropsafe?



- ◆ Fixtures located above personnel
- ◆ On mobile equipment (e.g crane booms)
- ◆ In potential impact zones of mobile equipment
- ◆ Fixtures prone to internal (non visible) or external corrosion and vibration
- ◆ Fixtures located above important or expensive equipment

Product in use on crane boom



Product in use in potential impact zones



Dropsafe 'Mesh Safety Cover key points



- ◆ Instant safety solution for your personnel
- ◆ Secures fixtures in overhead locations.
- ◆ Fully encloses unit to be retained
- ◆ Independently tested and audited by SGS
- ◆ Exceed 5 times the product SWL



Key points continued



- ◆ Safer handling for maintenance and change out
- ◆ Simple installation. NO TOOL REQUIRED!
- ◆ Cost-effective solution for hard to secure fixtures
- ◆ Enhances any existing DROPS prevention program

How to order



- ◆ Currently fitting out facilities in Asia
- ◆ Building online data base
- ◆ Information needed when ordering:
 - Drawing of fixture with dimensions
 - Weight
 - Pictures (fixture and mounting configuration)
 - Manufacturer
 - Model number
- ◆ Lead time (new product 8 weeks / existing product 4 weeks)
- ◆ Ex-works HK, to be collected by your local agent
- ◆ No minimums
- ◆ Price range: Currently US\$40 to \$100



Thank you for your time today

Question time