

# Nautilus Rigging



‘We’ve got the handle on safety’

# Nautilus Rigging

## Manufacturers of Nautilus Hooks™

Nautilus Rigging (UK) Ltd was established in Scotland in 2007 with the aim of developing our innovative concepts to produce a new, versatile, and safer type of lifting hook that eliminates the inherent pinch and trap hazards associated with the use of traditional lifting hooks.

Our commitment to safety and technological leadership was the motivation behind a three-year research and development programme that has resulted in the Nautilus Hooks™ range of self-locking safety hooks.

Our development programme culminated with field testing of Nautilus Hooks™ in the demanding North Sea oil and gas sector where the product's unique safety features achieved exceptional results.

Nautilus Hooks™, for which UK and international patents are pending, are forged from high-quality carbon alloy steel to our stringent quality assurance programme which provides our customers with a reliable, traceable, low maintenance, and – above all – a safer lifting hook.

The unique design of Nautilus Hooks™ sets a new global standard for safety hooks and is revolutionising the lifting industry, bringing major safety and operational benefits across a diverse range of industries including construction, mining, shipping and the offshore oil and gas sector.

### **Safety First**

In the modern work environment safety is paramount and Nautilus Hooks™ have been designed with safety first. Our products are proven to enhance personal safety in the workplace by reducing the risk of injury.

### **Practical Innovation**

Nautilus Hooks™ incorporate innovative, simple, and practical safety features which provide a technological advancement in the operation and use of lifting hooks.

### **Simple Solutions**

Nautilus Hooks™ provide compliance and health and safety managers with a simple solution in conforming with the PUWER Regulations 1998. Our products are simple to use, simple in design and are simply the best choice for safety-conscious organisations.

### **Cost Efficient**

In a global climate of strict budgetary controls, Nautilus Hooks™ provide our clients a cost-effective alternative product reducing the risk of costly downtime or expensive personal injury claims.



# NautilusHooks™

## Offshore Field Trials on North Sea Drilling Rigs

The prototype Nautilus Hooks™ were subjected to industry-sponsored field trials on North Sea drilling rigs totalling 3125 man hours of use, achieving the following results. **Trial completed May 2009.**

Did you find the sliding lock mechanism easy to operate?	<b>89% yes</b>
Will this hook reduce pinch and trap injury during crane operations?	<b>89% yes</b>
Overall do you think Nautilus Hooks™ improves safety for hook users?	<b>84% yes</b>
Would you prefer to use Nautilus Hooks™ rather than a latch lock type hook?	<b>80% yes</b>

“ My congratulations on an outstanding piece of lifting equipment. I have been in the lifting industry for some 25 years and have absolutely no doubt whatsoever that you have invented a sure-fire winner ”

M. J. Watts  
Managing Director  
Universal Inspection (UK) Ltd

“ I have been working at sea for 42 years. In this time I have used many types of hooks. Nautilus Hooks™ are absolutely the safest and easiest hook I have ever worked with ”

Karl Djupvik  
AB Olympic Princess  
Norway

“ Nautilus Hooks™ feel very light and are easy to use, making the job much safer. Your hooks are the choice of the roustabouts on the rig ”

Steve Mackie  
Barge supervisor  
Sedco 711

“ In our view the introduction and use of this safety device is a significant enhancement for our Installations ”

Operations Manager  
Leading International Drilling  
Contractor



# NautilusHooks™

## and **PUWER 98** Regulations

The general terms and legal requirements of the PUWER 1998 regulations state that: An employer providing lifting equipment for use at work must ensure that risks created by the use of the equipment are eliminated where possible or controlled by providing appropriate hardware.



We make the Hook



You make the Choice

All standard designs incorporate the same inherent hazard which means that to open the hook; the operator MUST place their hand within the interface with the sling and bend their wrist forward. This design flaw is a common cause of potentially serious pinch and trap injuries and creates wrist strain with repetitive use.

The unique safety handle on Nautilus Hooks™ remove this pinch and trap hazard and the design configuration between the lock and handle promotes a far easier, ergonomic, rotational arm action to operate the hook which eliminates wrist strain.

## Technological Advances

The innovative features incorporated in our Nautilus Hooks™ design provide the only technological advancements in more than 30 years for lifting hooks, by providing a vastly improved level of safety and a much easier operating motion for the user.



1920  
Open Hook



1950  
Spring latch



1975  
Latch Lock



2009  
Nautilus Hook

**Nautilus Hooks™ - the next generation of safety lifting hooks.**



## Specifications and Technical Data

(Dimensions and weights may vary slightly in production)

<p>Nautilus Hooks™ provide the ultimate safety in self-locking lifting hooks.</p> <p>The safety features provide a unique and very simple operation.</p>	Swivel Top	Model No: (Code)	WLL Tons	Chain Size	L	H	W	O	Weight (Kg)
		NH-SL4S	4.0	10	242	32	156	47	3.1
		NH-SL6S	6.0	13	316	41	182	54	4.6
		NH-SL8S	8.0	16	374	50	208	60	7.5
		NH-SL10S	10.0	16	392	55	216	66	8.2
		NH-SL12S	12.0	19	408	60	225	72	9.4
		NH-SL16S	16.0	22	422	65	235	82	11.6
NH-SL20S		20.0	26	438	70	270	102	18.4	
<p>The integral handle protects operators' hands and removes them from the hook and sling interface area.</p> <p>Manufactured from high-grade carbon alloy steel.</p>	Clevis Top	Model No: (Code)	WLL Tons	Chain Size	L	H	W	O	Weight (Kg)
		NH-SL4C	4.0	10	198	32	156	47	2.8
		NH-SL6C	6.0	13	228	41	182	54	4.4
		NH-SL8C	8.0	16	270	50	208	60	5.7
		NH-SL10C	10.0	16	286	55	216	66	6.5
		NH-SL12C	12.0	19	302	60	225	72	8.3
		NH-SL16C	16.0	22	318	65	235	82	9.5
NH-SL20C		20.0	26	342	70	270	102	15.6	
<p>Minimum breaking load is 4 times the working load limit.</p> <p>Corrosion-resistant stainless steel spring.</p>	Eye Top	Model No: (Code)	WLL Tons	Chain Size	L	H	W	O	Weight (Kg)
		NH-SL4E	4.0	10	216	32	156	47	2.6
		NH-SL6E	6.0	13	246	41	182	54	4.1
		NH-SL8E	8.0	16	292	50	208	60	5.3
		NH-SL10E	10.0	16	314	55	216	66	6.1
		NH-SL12E	12.0	19	328	60	225	72	7.4
		NH-SL16E	16.0	22	342	65	235	82	8.9
NH-SL20E		20.0	26	386	70	270	102	15.0	

## Certified Assemblies

Nautilus Rigging supplies complete, certified, assemblies to offshore and onshore industry including our standard offshore 'Rig Packs' and multi-leg hook and chain assemblies.

For full details and sales inquiries visit [www.nautilusrigging.com](http://www.nautilusrigging.com)

## Become a Distributor

Interested in becoming an international distributor or an official supplier of Nautilus Hooks™? visit [www.nautilusrigging.com](http://www.nautilusrigging.com) to find out how.



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