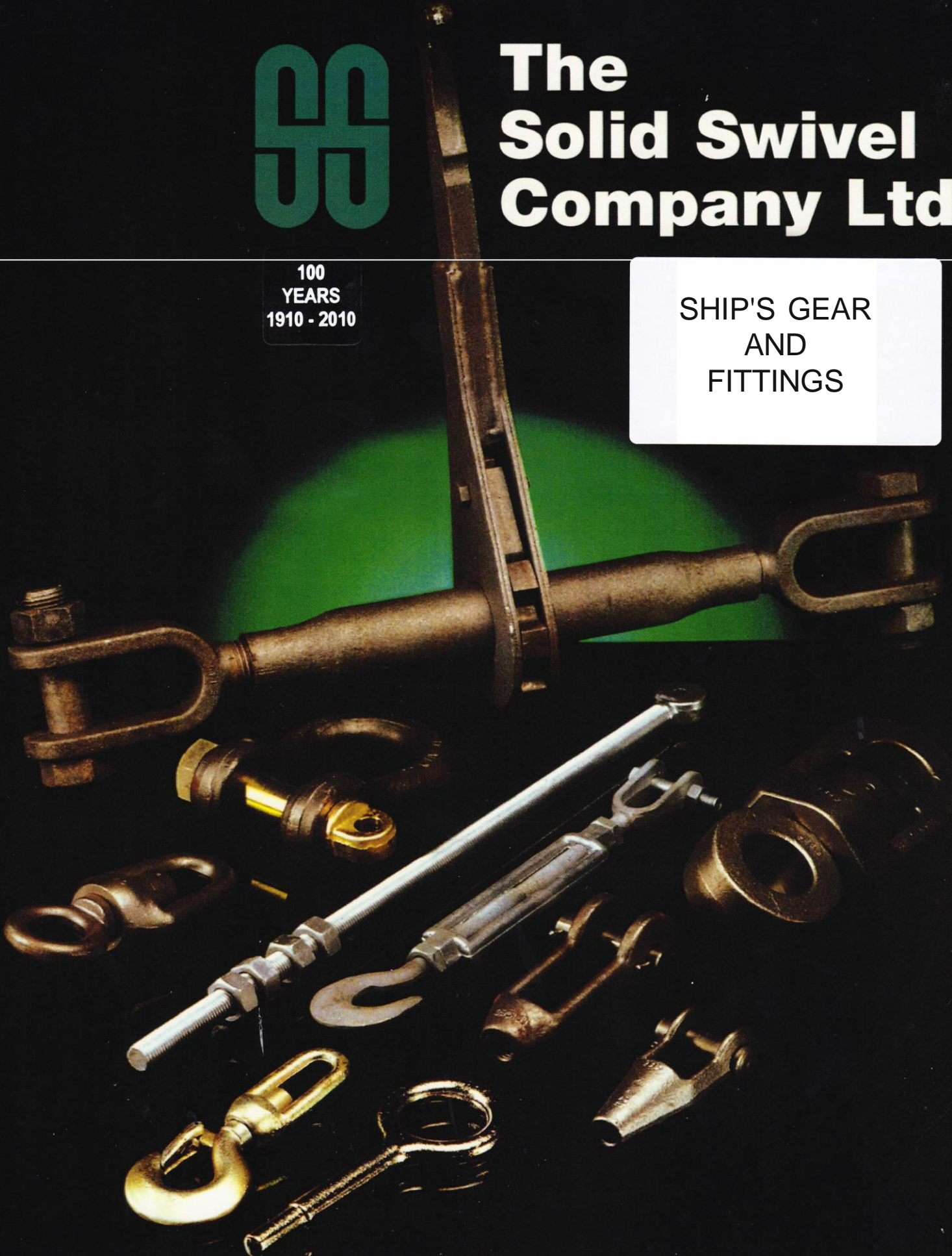




The Solid Swivel Company Ltd

100
YEARS
1910 - 2010

SHIP'S GEAR
AND
FITTINGS



**Designers and Manufacturers
of Lifting, Lashing & Rigging Gear**

Product Information



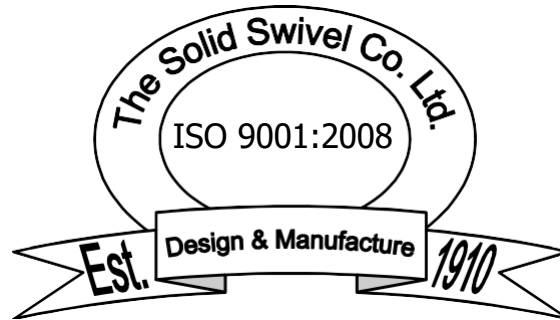
SHIPS

Chain Cable

Chain Cable Gear

Various Fittings

Introduction



Formed in 1910, The Solid Swivel Co. Ltd., has grown into a leading 'designer & manufacturer' of tackle for lifting, lashing, & rigging, of the highest quality.

We are specialists in relatively proportioned design, methods of production, and the manufacture of rigging & straining screws, swivels, eyebolts & other varied products.

Whilst we manufacture certain articles under mass production to British, EN, US & Australian Standards and our own patterns, it is in progressive specialisation that we have become well known worldwide. Tailoring the product to best suit your application.

If your requirement resembles any product shown in our catalogue, no matter what quantity, material, length or thread size, please send us your enquiry for a competitive quotation.



Q.A. Accreditations

1. BS-EN-ISO 9001:2008, 'Design & Manufacture.'
2. PPE—Article 11B, certain EN795 class 'A1' anchors.

SATRA
QUALITY ASSURANCE LTD

Certificate Number: 0503054

Certificate of Registration

This is to certify that
The Solid Swivel Company Limited
Portersfield Road
Cradley Heath
West Midlands
B64 7BL

has been found to conform to:

BS EN ISO 9001: 2008

This Certificate is valid for the following product or service ranges:

The design, research, development, manufacture, supply, survey and repair of lifting, lashing, rigging gear, chain links and couplings including ancillary fittings and EN 795 anchors as well as open linked chain, chain cable and associated accessories for mooring, anchoring and towing, for the marine, mining, rail, power and commercial sectors. Utilizing general forging and engineering practices including proof testing and project management for the supply of associated spares and ancillary equipment

Date 29th May 2012 This certificate is valid until 28th May 2015

Date first registered May 2003

Adams
for and on behalf of
SATRA Quality Assurance Ltd
Wyndham Way, Telford Way, Kettering,
Northamptonshire, NN16 8SD

056

*The approval is subject to company maintaining its system to the required standard which will be monitored by:
SATRA Quality Assurance Ltd*

SATRA
TECHNOLOGY CENTRE

Certificate No. 0503054

PPE Article 11B Certification


This is to certify that
The Solid Swivel Company Limited
Portersfield Road
Cradley Heath
West Midlands
B64 7BL

has been found to conform to the requirements of Council Directive 89/686/EEC Article 11B-System for ensuring EC quality of production by means of monitoring, for the manufacture of fall protection systems as described in the listed EC Type Examination certificates, including all subsequent revisions.

Through Type Anchor Devices (Stainless Steel & Galvanised Finish)
Certificate Numbers: BSEN 795/96/013 and BSEN 795/96/014
Steel Works Anchor Devices (Stainless Steel & Galvanised Finish)
Certificate Numbers: BSEN 795/96/011 and BSEN 795/96/012
Resin Fix Anchor Device (Stainless Steel & Galvanised Finish)
Certificate Number: BSEN 795/96/015

Date 27th July 2012 This certificate is valid until 28th July 2013

Adams
for and on behalf of
SATRA Technology Centre

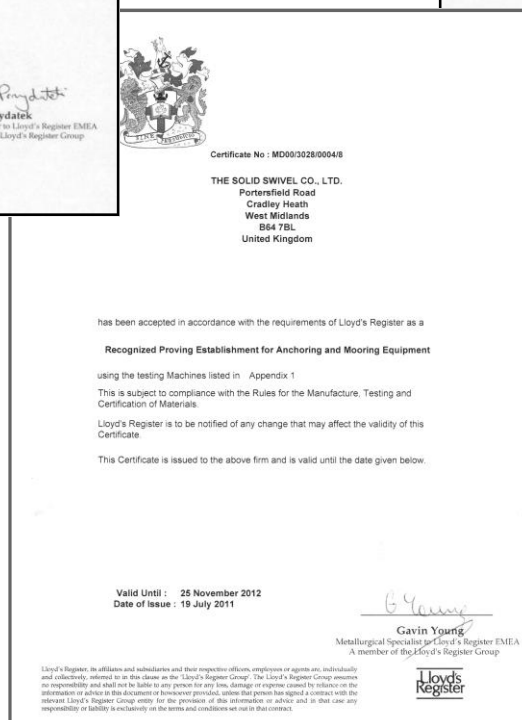
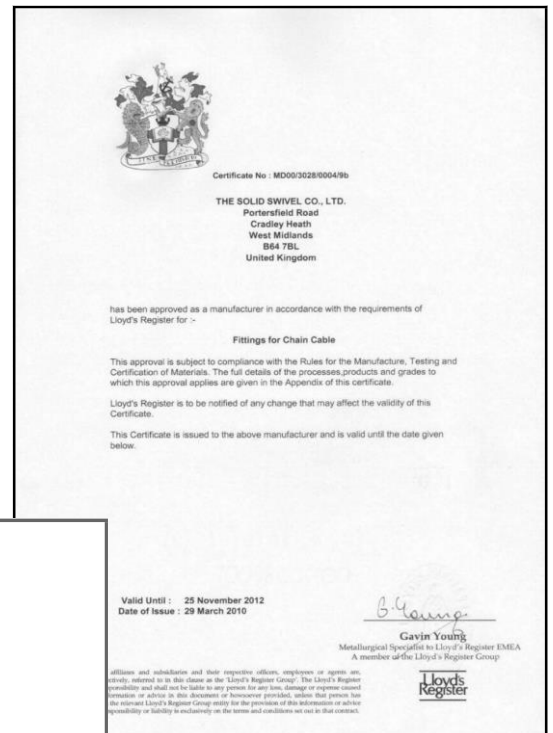
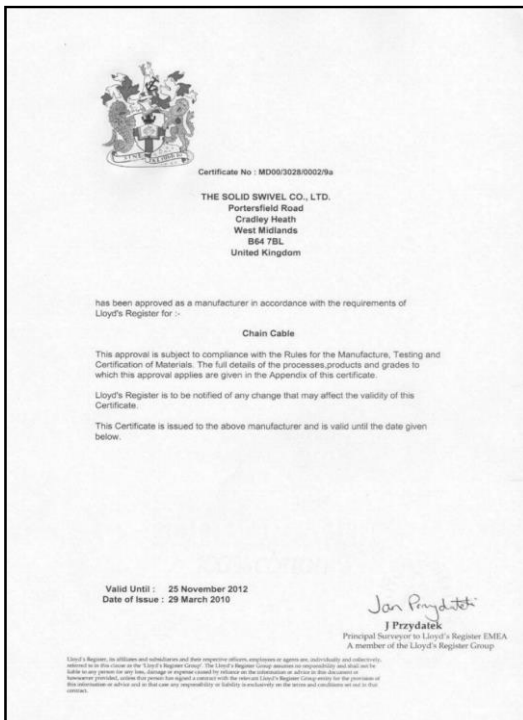


*The approval is subject to the company maintaining its manufacturing and quality system to the required standard which will be monitored by:
SATRA Technology Centre*

Note - This certificate is only valid if embossed with the following text "SATRA-European Notified Body number 0321"

Q.A. Accreditations

1. Lloyds Register of Shipping Approved:-
 - a) Manufacturer Of Chain Cable,
 - b) Manufacturer Of Chain Cable Fittings,
 - c) Recognised Proving Establishment (*proof & break load testing.*)



THE SOLID SWIVEL COMPANY LIMITED

CONDITIONS OF SALE.

- 1. Quotations and Acceptance of Order**
 1. The following conditions are the only terms on which we, The Solid Swivel Company Limited, are willing to contract to sell our goods or provide services. By ordering goods or services from us, you agree that your own conditions (if any) shall not apply to the contract for sale of those goods or provision of those services.
 2. The contract for the sale of goods / provision of services shall comprise your order and our acknowledgement of order. You agree that any quotation by us is an invitation to treat only and is subject to confirmation by us on receipt of order.
 3. Once the contract is made it cannot be cancelled, deferred or altered by you, except by mutual agreement. In the event of purported cancellation, deferment or alteration by you:
 1. we shall be entitled at our option to be released from further performance of the contract on the ground of your repudiation thereof in which case it is agreed that you shall be liable to pay us forthwith on demand as liquidated damages the balance of the unpaid contract price together with VAT and duties, tariffs and other levies applicable but less the costs to us of any unused materials and variable overheads our written certificate as to such deduction to be accepted by you as final in determination thereof;
 2. alternatively, we shall be entitled at our option to proceed with performance of the contract and to invoice you for the unpaid balance of the contract price together with VAT and duties, tariffs and other levies applicable which sum is payable forthwith on demand on completion by us of production of the goods but prior to their delivery to you;
 3. all times for payment in this section 1.3 are of the essence.
- 2. Price**

Unless otherwise expressly agreed by us in writing, all quoted prices are subject to fluctuation in costs of materials and wages between the date of contract and the date of despatch and may be varied by us to reflect such fluctuation. Prices are exclusive of Value Added Tax which will be charged at the rate applicable at the date of despatch. All duties, tariffs and other levies on exported goods are to be paid by you.
- 3. Delivery**
 1. Any time or date quoted for delivery or performance is given as an estimate only and are not of the essence of the contract. We shall not be liable for any loss or damage howsoever arising by reason of any failure on our part to deliver on such quoted dates. If you cause the delivery of the goods or any part thereof to be delayed beyond the time when they would otherwise have been delivered, they shall then be stored at your sole risk and expense.
 2. when they would otherwise have been delivered, they shall then be stored at your sole risk and expense.
- 4. Payment**
 1. You are to pay us the price payable for goods supplied together with all VAT, duties, tariffs and other levies in net cash (in the currency shown in our acknowledgment of your order) on the last day of the month following delivery. Time of payment shall be of the essence of the contract.
 2. In the case of goods sold by instalments each instalment shall be paid for separately and the provisions of this clause shall apply to each instalment.
 3. Failure by you to make any payment hereunder by the due date shall entitle us forthwith at our option and without notice to cancel or suspend further performance of any contract between us and you, without prejudice to any other rights we may have against you.
- 5. Quantities**
 1. We shall have the right to deliver against any order an excess or deficiency of up to 10% of weight or quantities ordered and we shall be entitled to invoice you for the weight or quantities actually delivered.
 2. Variations of less than 1% from invoice weight or quantity shall be disregarded. Any further short delivery in the invoice weight or quantity shall only entitle you to claim a proportionate adjustment in the purchase price.
- 6. Warranties**
 - 6.1 Quality**

The goods are warranted to accord with the specification set out in our acknowledgment of order or, if there is no such specification, to have been subject to inspection by our own quality control (which control does not include any internal testing). All other warranties or conditions as to quality or description (statutory or otherwise) are excluded.
 2. All information and details contained in our specifications have been carefully prepared to avoid errors but their accuracy is not guaranteed and we shall not be liable for any inaccuracies or omissions. Dimensions in our catalogues are usually subject to a tolerance of plus or minus 5%. Critical dimensional details should be obtained prior to ordering.
 3. To the extent permitted by statute, our liability for breach of this warranty (or for any other claim based on any defects in the goods) shall not exceed replacement of the goods shown to be defective or, at our option, reimbursement of the price received by us for the goods.
- 6.4 Purpose**

Any recommendation or suggestion, relating to the use of the goods made by us is given in good faith but it is for you to satisfy yourself of the suitability of the goods for your own particular purpose. Accordingly, unless otherwise expressly agreed in writing, we give no warranty as to the fitness of the goods for any particular purpose even though that purpose may be specified in your order, and any implied warranty or condition (statutory or otherwise) to that effect is excluded.
- 6.5 Generally**

To the extent permitted by law we accept no liability whatsoever for any loss or damage whether consequential or direct and whether suffered by or occasioned to you, your employees or agents or any third party which may arise after delivery of the goods.
- 7. Claims**
 1. No claim for the goods damaged in transit or short delivered will be considered by us unless we are advised of this in writing within 48 hours of your receipt of the goods.
 2. Any other claim made by you in respect of weight, quality or Otherwise must be lodged with us in writing within 28 days of delivery, failing which you will be deemed to have accepted the goods in accordance with the terms of the contract.
 3. We accept no liability for any claim unless we are given an opportunity to inspect the goods and investigate any complaint before they are used or modified in any way.
 4. We accept no claim for goods lost in transit unless we are advised in writing within 7 days of the date of our invoice.
- 8. Property**

Title to goods supplied by us under this contract shall not pass to you until all monies due and owing from you to us on any account at the date of this contract have been paid in full. You hereby authorise us to enter upon any premises of yours for the purpose of repossessing any goods supplied by us under any contract and in respect whereof the property therein has not passed to you.
- 9. Risk**

Risk in respect of the goods shall pass upon delivery. Where goods are delivered by our own transport delivery shall be deemed to take place at the moment the goods are lifted from the delivery vehicle. Where goods are delivered by other means of transport delivery shall be deemed to have taken place when the goods are loaded onto the road or rail vehicle used.
- 10. Health and Safety**

You undertake to take all steps necessary to ensure that the goods when properly used will be safe and without risk to health. You shall indemnify us against any liability whether civil or criminal which we may be under in respect of any illness or injury caused by the goods or their use.
- 11. Intellectual Property**

Where goods are manufactured by us in accordance with your particular requirements we shall not be liable for any loss or damage arising out of any claim made or threatened against us for infringement or any letters patent, design, copyright, trademark or any other title of any third party in respect of such goods and you shall indemnify us against any claims arising from such infringement.
- 12. Suspension and Termination**
 - 12.1 If we are unable to deliver any goods owing to lack of supplies, strikes, lockout, fire, storm, flood, riot, civil commotion, explosion, breakdown, stoppage of machinery or other reason we may suspend the contract by giving you notice and the delivery date shall be deferred by the period of duration of suspension of the contract.
 - 12.2 We may, without prejudice to any of its other rights terminate the contract or suspend further deliveries to you in the event of your failure to make due payment for any goods or if any distress, execution or other legal process shall be levied upon you or if you become insolvent or being a body corporate pass a resolution for voluntary winding up or are subject to a winding up order of the court or have a Receiver appointed.
- 13. Proper Law**

The contract between us and you shall be deemed to have been made in England and shall be governed in all respects by English Law and you shall submit to the jurisdiction of the English Courts.

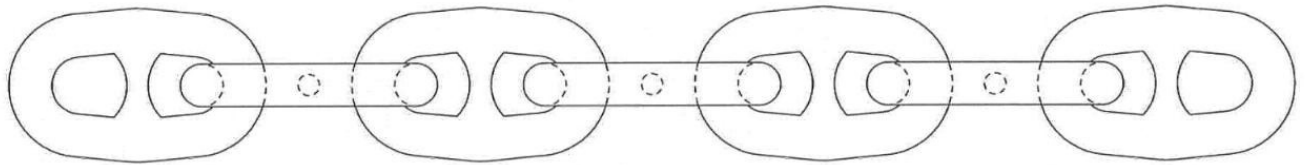
Lloyds Register Recognised
Proving Establishment, for
Anchoring & Mooring Equipment.



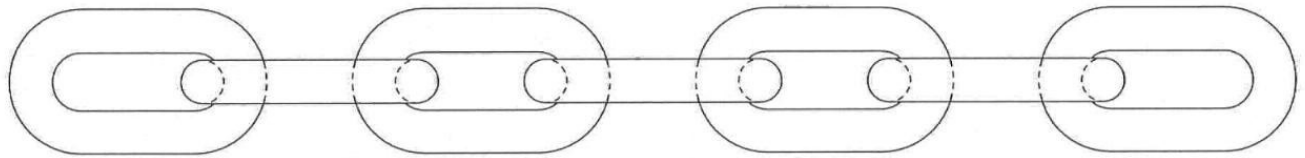
Above is our 220 Tonne Test Machine,
with a 4 metre bed.

We have 3 other
vertical testing machines,
with 5, 15, 50 Tonne capacity.

CHAIN CABLE



STUD LINK



OPEN LINK

For use with Anchors & Moorings.

Made to the latest Naval Engineering Standards
& Service Drawings.

Some sizes available in '*Copper Alloy*' material.

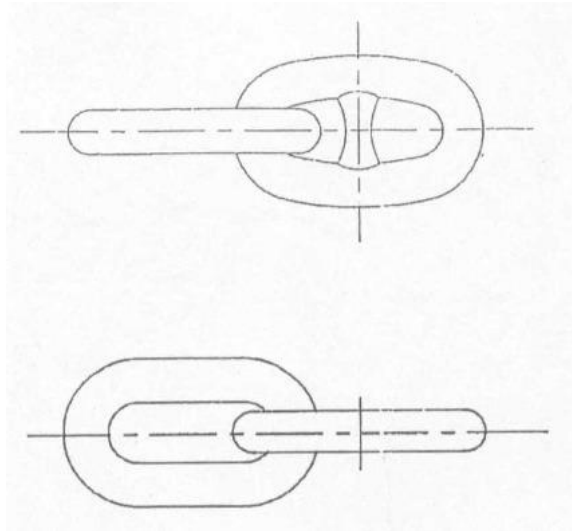
Certificated by Lloyds Register of Shipping.

Helpful NATO Stock references are to be found at the back of this pack.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Self colour.
- Quantity & delivery needed.

CHAIN CABLE ADAPTORS



For use with Stud Link + Open Link Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

Some sizes available in '*Copper Alloy*' material.

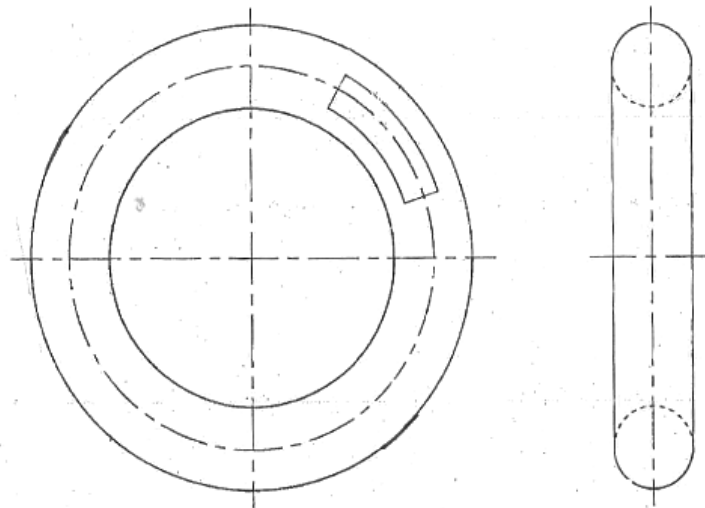
Certificated by Lloyds Register of Shipping.

Helpful NATO Stock references are to be found at the back of this pack.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Self colour.
- Quantity & delivery needed.

MOORING RINGS



For use with Moorings.

Made to the latest Naval Engineering Standards
& Service Drawings.

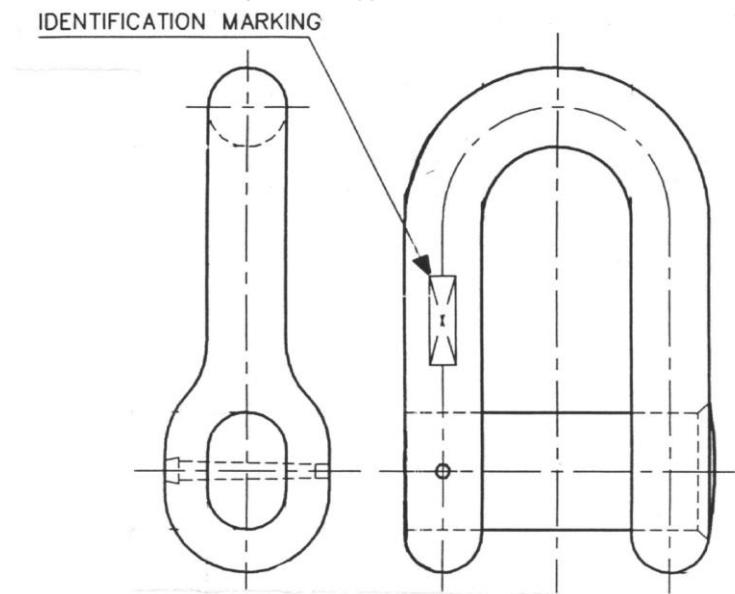
Certificated by Lloyds Register of Shipping.

Helpful NATO Stock references are to be found at the back of this pack.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Self colour.
- Quantity & delivery needed.

Anchor Shackle



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

Some sizes available in '*Copper Alloy*' material.

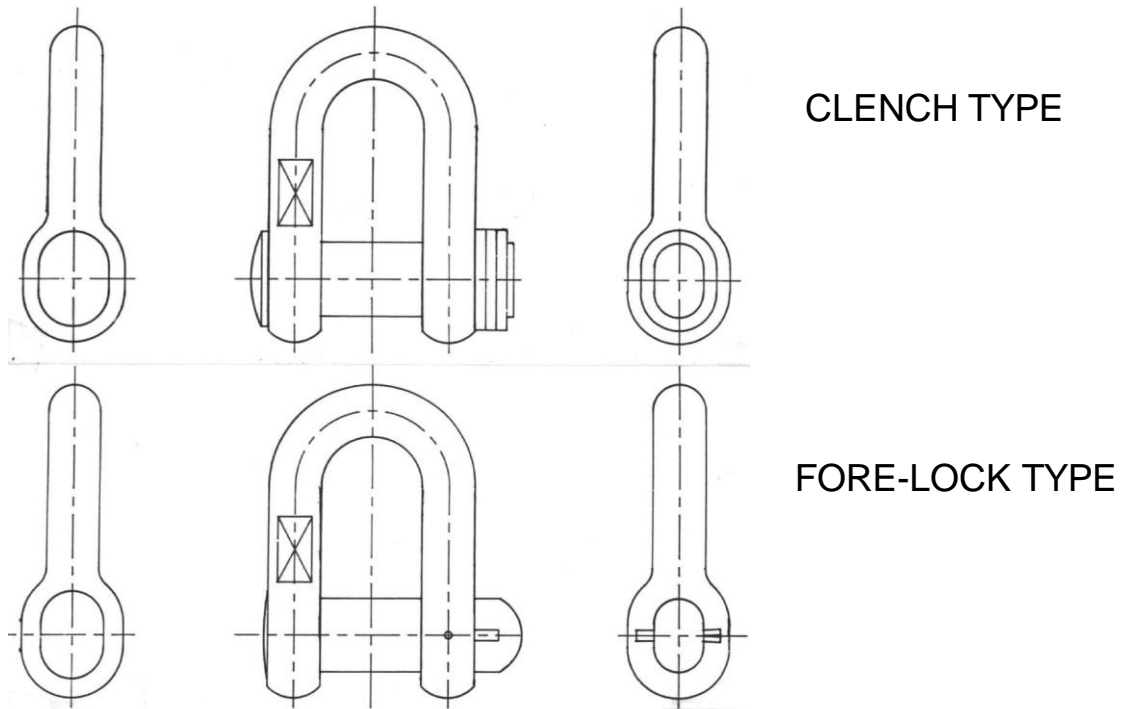
Certificated by Lloyds Register of Shipping.

Helpful NATO Stock references are to be found at the back of this pack.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Anchor Shackles for Mooring



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

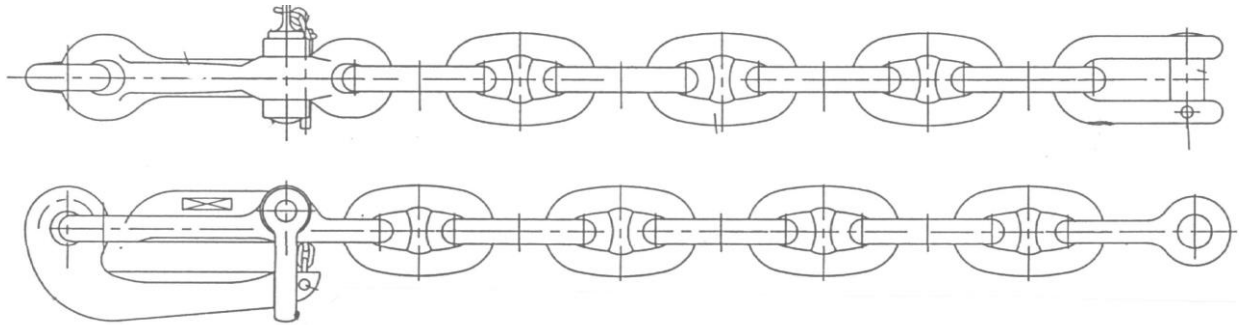
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Blake Stopper



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

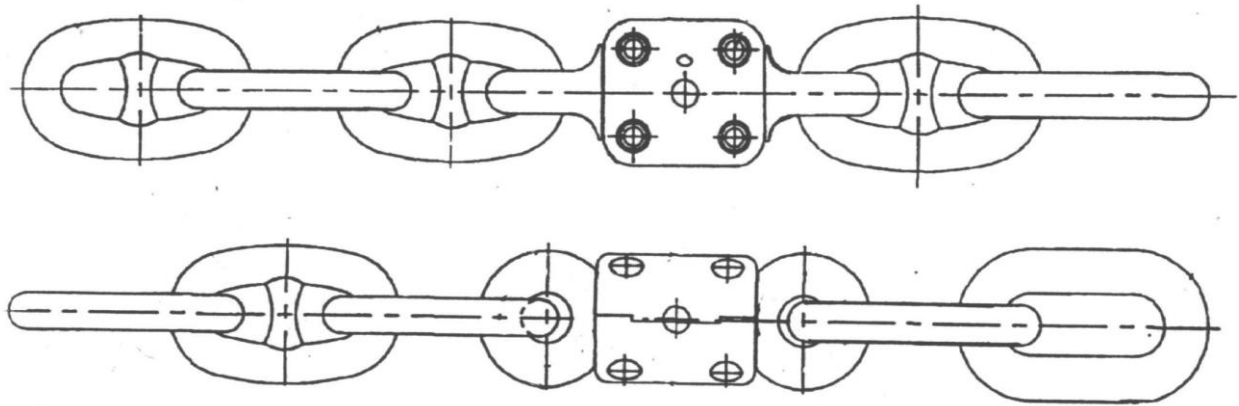
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Box Swivel & Links



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

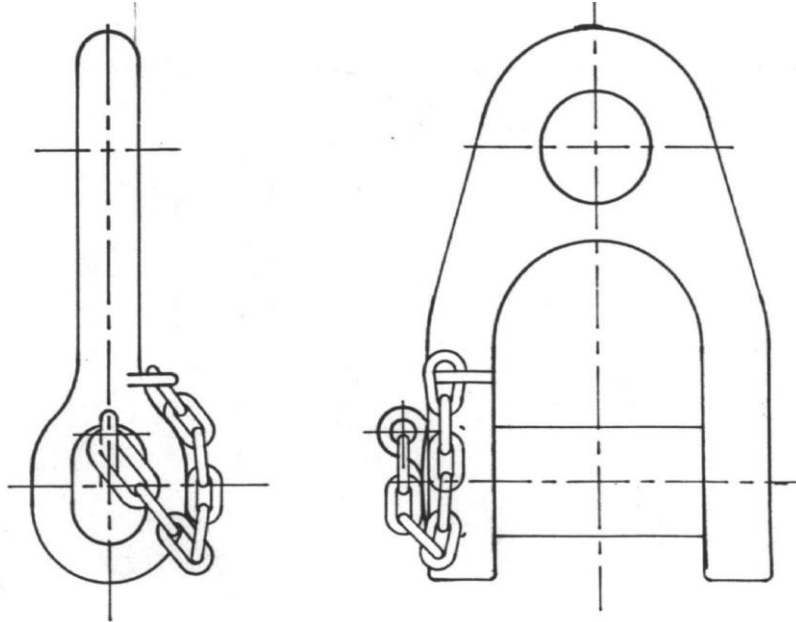
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Buoy Securing Shackle



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

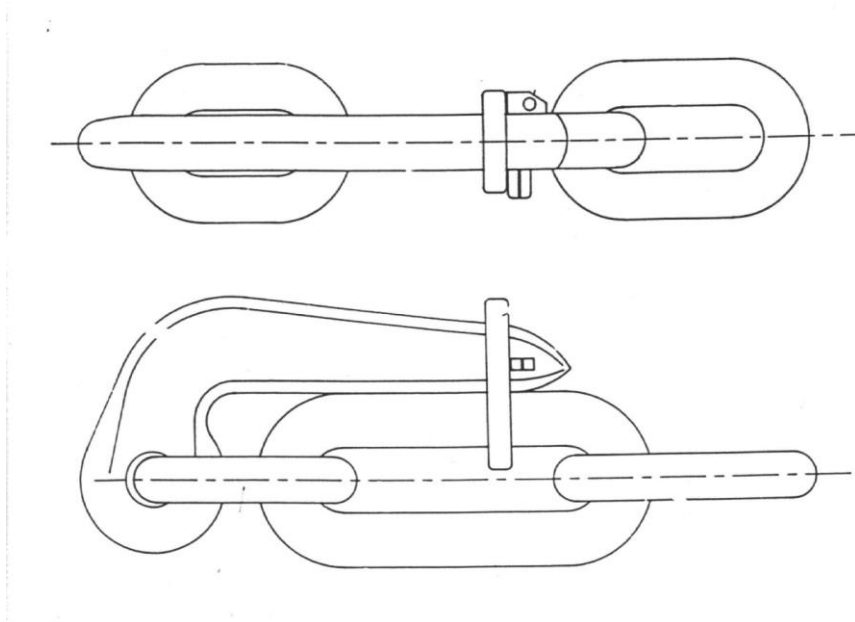
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Hook Pelican with End Link



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

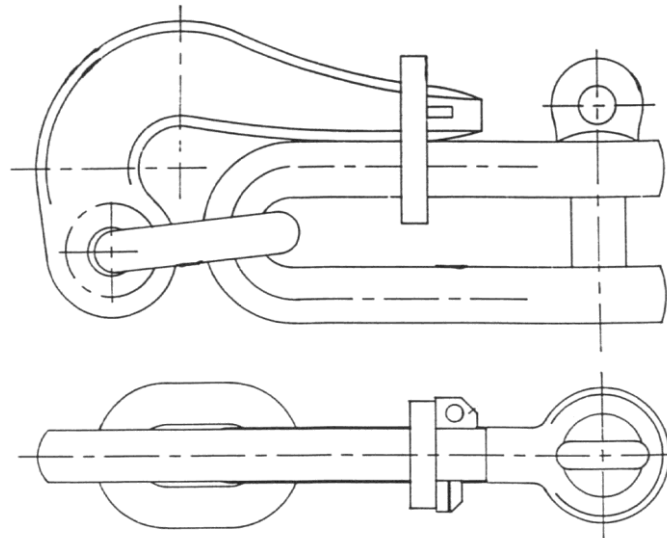
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Hook Pelican for After Towing



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

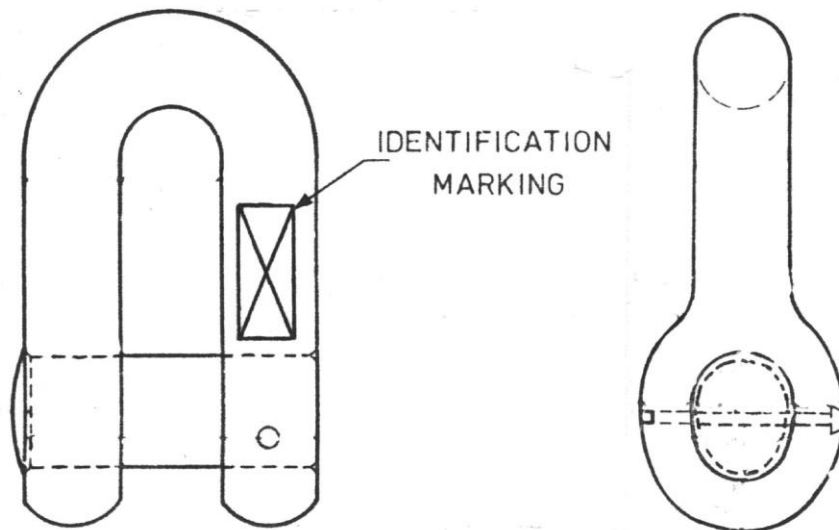
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Lugged Joining Shackle



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

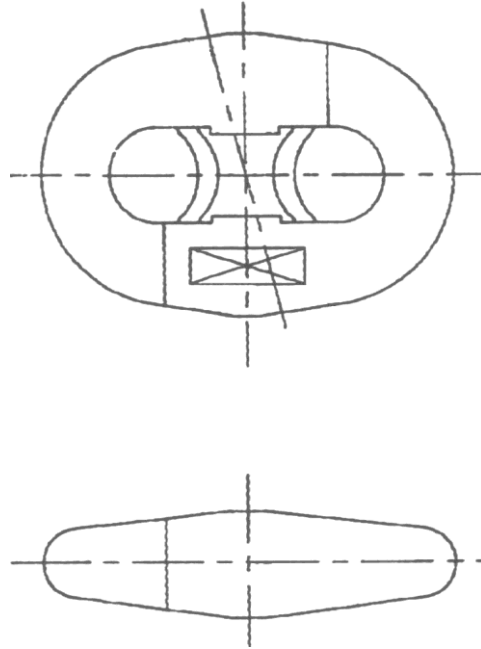
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Lugless Joining Shackle



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

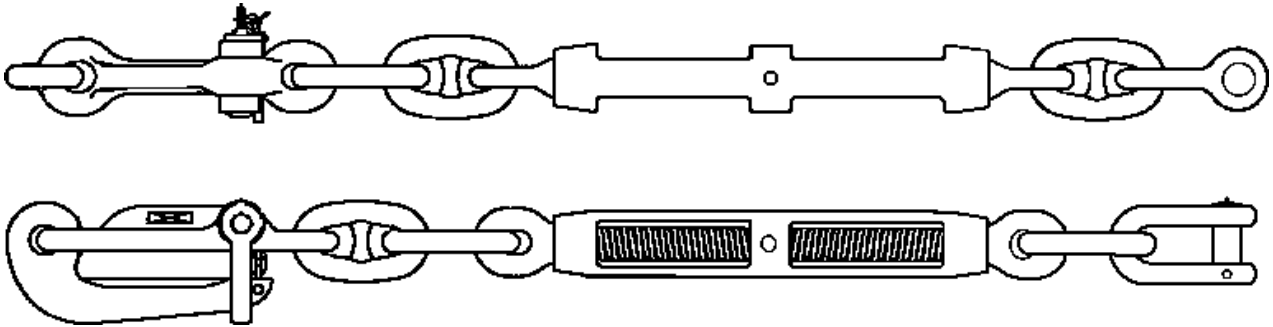
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Screw Stopper



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

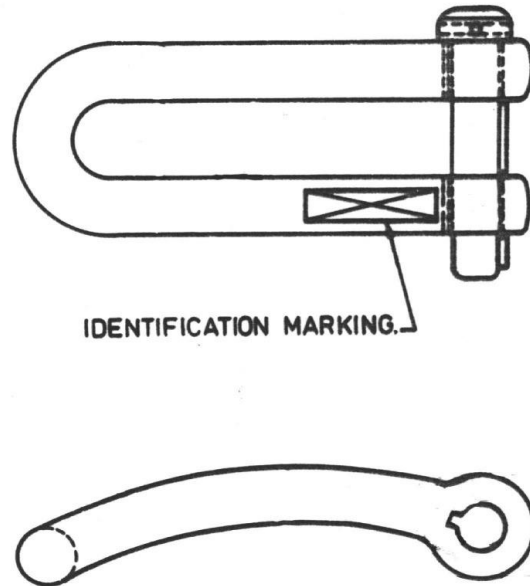
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Shackle with Joggle Bolt



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

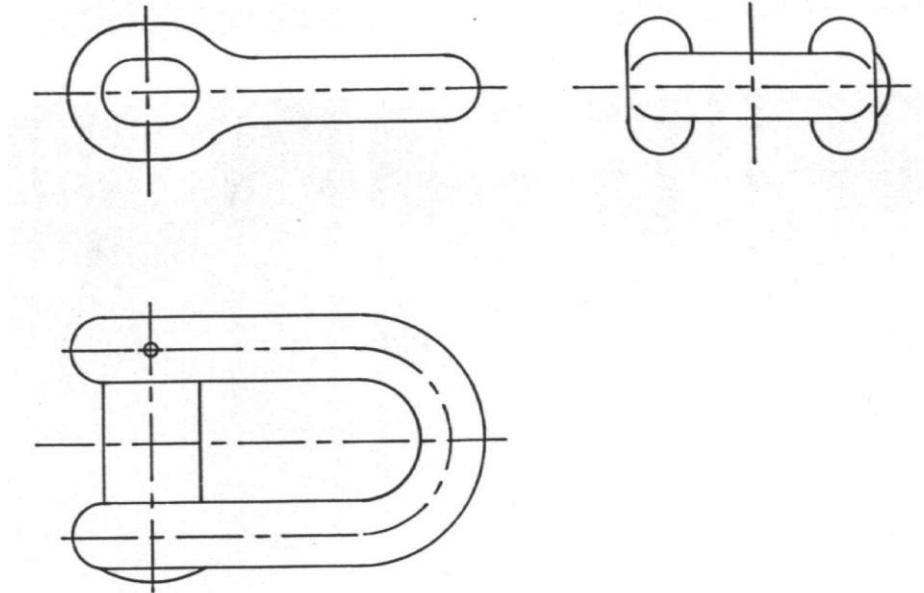
Some sizes available in '*Copper Alloy*' material.

Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Towing Shackle



For use with Ships Anchor Chain Cable.

Made to the latest Naval Engineering Standards
& Service Drawings.

Some sizes available in '*Copper Alloy*' material.

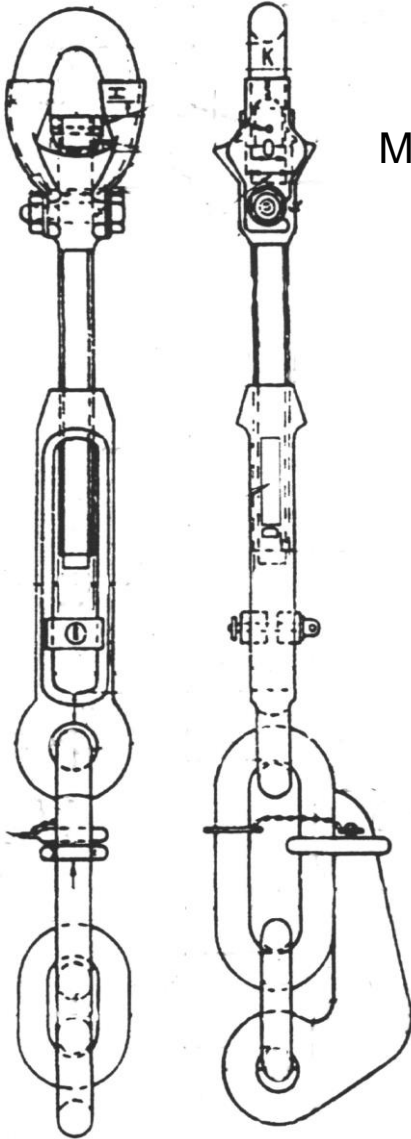
Certificated by Lloyds Register of Shipping.

Your enquiry details should include:

- Cable size & grade, i.e. U2 or U3
- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Turnbuckle Assemblies:

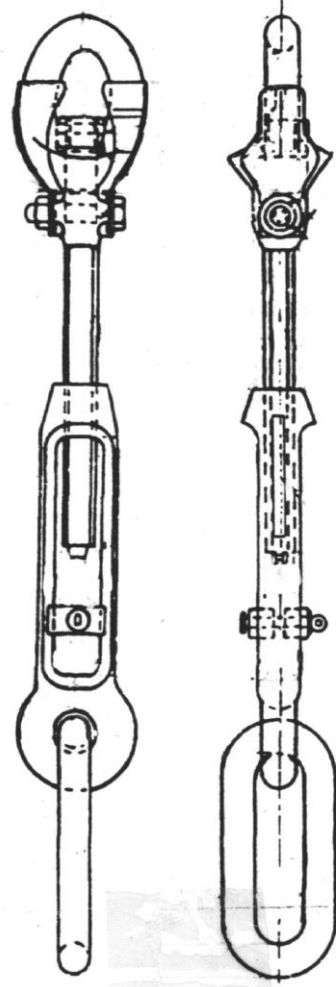
With & Without Slip



Made to the latest Naval Engineering Standards & Service Drawings.

Individually Tested & Certified.

Helpful NATO Stock references are to be found at the back of this pack.

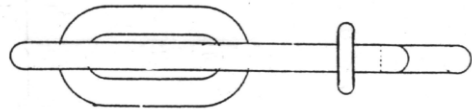
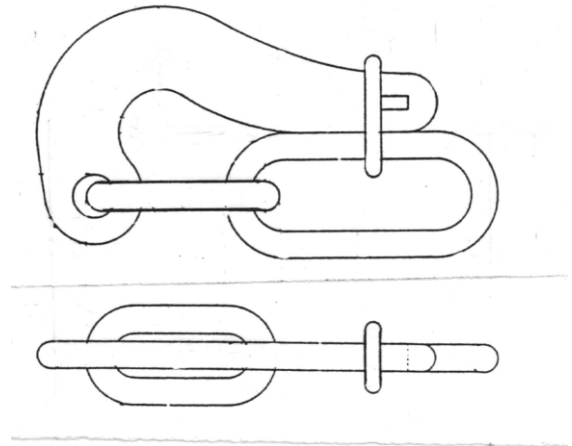
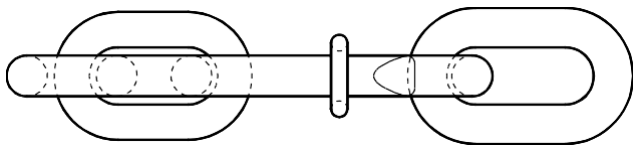
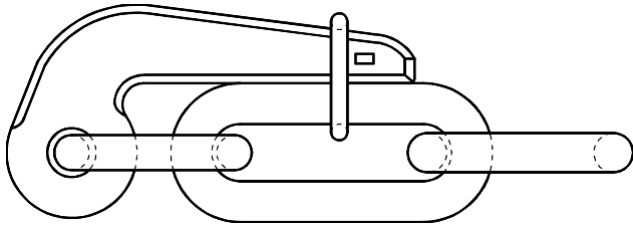


Your enquiry details should include:

- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

Slips:

For Rigging & Senhouse



Made to the latest Naval Engineering Standards & Service Drawings.

Individually Tested & Certified.

Helpful NATO Stock references are to be found at the back of this pack.

Your enquiry details should include:

- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

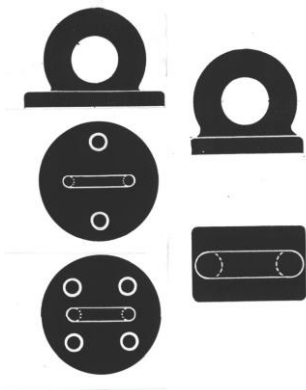
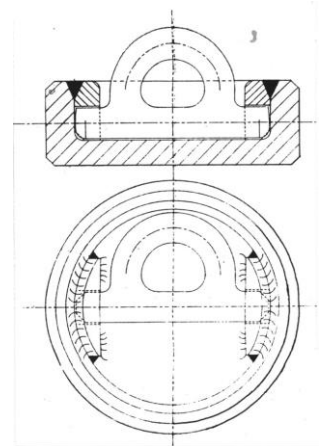
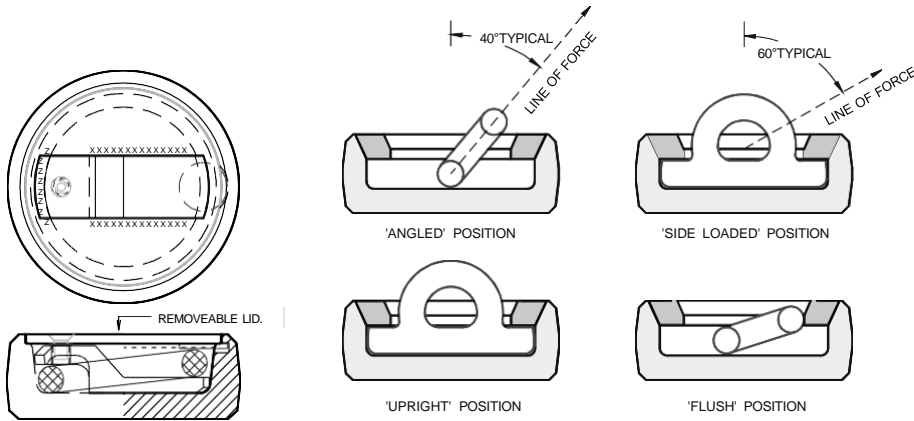
FLIGHT DECK PLATES

FOR THE SECURING OF HELICOPTERS, ETC.

Service Drawing No. 003-500-982
Stock Ref. No. 0244-445-9199
Proof Load 2.½ Tons
Break Load 7.½ Tons @ 90°

Service Drawing No. 002-609-575
Stock Ref. No. 0232-99-304-1258
Proof Load 9 Tonne
Break Load 23 Tonne

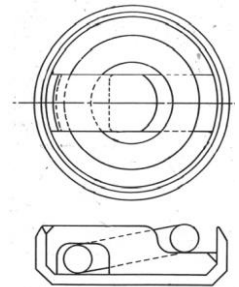
Deck Gear: Various



Made to the latest
Naval Engineering
Standards &
Service Drawings.

Individually Tested
& Certified.

Helpful NATO Stock
references are to
be found at the
back of this pack.



Your enquiry details should include:

- NATO stock Ref. and or Service Drawing No.
- Finish. i.e. Shotblasted, galvanised, blacked, etc.
- Quantity & delivery needed.

RANGE OF SIZE'S



Managing Director

Graham Perry holding SOLID SWIVEL'S smallest Rigging Screw, M 3 diameter.

The current largest shown is :-

M 155 thread diameter.

1,000 Tonnes Break Load.

Produced by Solid Swivel in 1995.