

Subject

Special requirements for Life-saving appliances and Equipment on board Isle of Man Flagged vessels

ClassNK

Technical Information

No. TEC-0849
Date 10 March 2011

To whom it may concern

The Isle of Man Government has noticed ClassNK of the special requirements for Life-saving appliances and Equipment on board Isle of Man flagged vessels (MANX SHIPPING NOTICE (MSN 011/Amended December 2010)).

Bull Dog / Cable Grips are not acceptable. Where these terminations are found to have been used on primary load-bearing terminations, arrangements are to be made by the operators to have them replaced Wedge sockets etc. And this requirement is to be applied to all ships regardless of date of construction.

The compliance with this regulation is confirmed at the next SE survey after on or 10 March 2011 in respect of the Cargo Ship Safety Equipment Certificate.

For any questions about the above, please contact:

NIPPON KAIJI KYOKAI (ClassNK)
Material and Equipment Department, Administration Center, Head Office
Address: 4-7 Kioi-cho, Chiyoda-ku, Tokyo 102-8567, Japan
Tel.: +81-3-5226-2020
Fax: +81-3-5226-2057
E-mail: eqd@classnk.or.jp

Attachment:

1. MANX SHIPPING NOTICE (MSN 011/Amended December 2010)

NOTES:

- ClassNK Technical Information is provided only for the purpose of supplying current information to its readers.
- ClassNK, its officers, employees and agents or sub-contractors do not warrant the accuracy of the information contained herein and are not liable for any loss, damage or expense sustained whatsoever by any person caused by use of or reliance on this information.
- Back numbers are available on ClassNK Internet Homepage (URL: www.classnk.or.jp).



MSN 011

Amended December
2010

DEPARTMENT OF ECONOMIC DEVELOPMENT

WIRE ROPE TERMINATIONS FOR LIFE SAVING APPLIANCES

This notice is intended to illustrate the different types of wire rope terminations and recommended uses for the different terminations that are acceptable to the Isle of Man Ship Registry for Life Saving Appliances.

Most regulations and notices are available on the Isle of Man Government web site: www.iomshipregistry.com or by contacting marine.survey@gov.im

There is no applicable marine legislation that specifies the appropriate way to form the primary load bearing terminations of wire ropes used for life boat falls, recovery strops or hanging off pennants.

The Isle of Man Ship Registry recognises that there are a number of alternative methods used to form these terminations and that the suitability of each type of connection for the intended service is varied.

Acceptance by the Isle of Man Ship Registry of any of the terminations is conditional on them being designed, manufactured, installed and used in the correct manner.

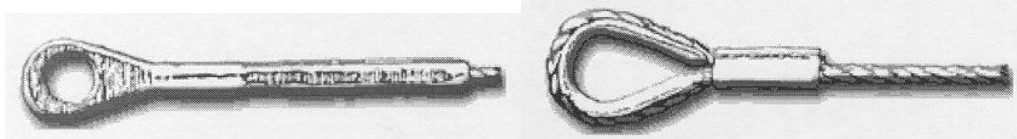
The different types of terminations, their acceptability for use on Isle of Man ships and some guidelines on the method of use are set out in this notice.

1. Permanent Terminations

These are supplied already formed on the wire rope by the manufacturer or recognised firm.

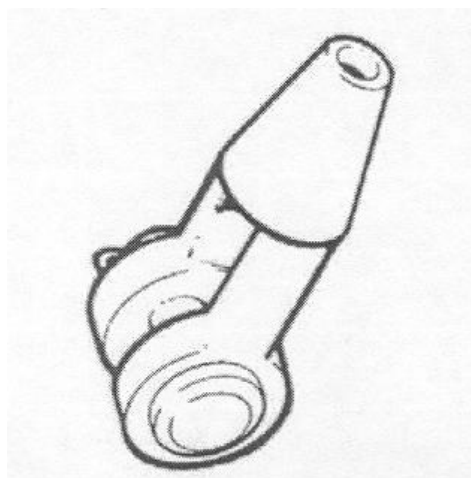
They are suitable for all LSA applications provided that they have been certified for the maximum safe working load to be encountered.

Permanent terminations of these types must only be fitted or re fitted by a recognised company, experienced in their use.



SWAGED EYE

STANDARD THIMBLE FERRULE SECURED



SPELTER SOCKET

Figure 1 permanent terminations

Maintenance

When in service these particular terminations should be examined for broken strands or deformation of the wire where it emerges from the connection.

2. Reusable Termination's.

2.1 Wedge and Socket Type

They have the advantage that they can be fitted by competent ships staff and can be re-used when the falls are turned or replaced.

This type of fitting is also allowed by the Isle of Man Ship Registry for the formation of eyes at the termination for the lifeboat falls as shown in Fig 3.

Their use is not recommended for cases where there is a possibility that the dead end of the termination can come into contact with an obstruction and loosen the wedge.

When assembling the termination, the manufacturer's instructions should be followed exactly.

A general guide to their assembly is shown below

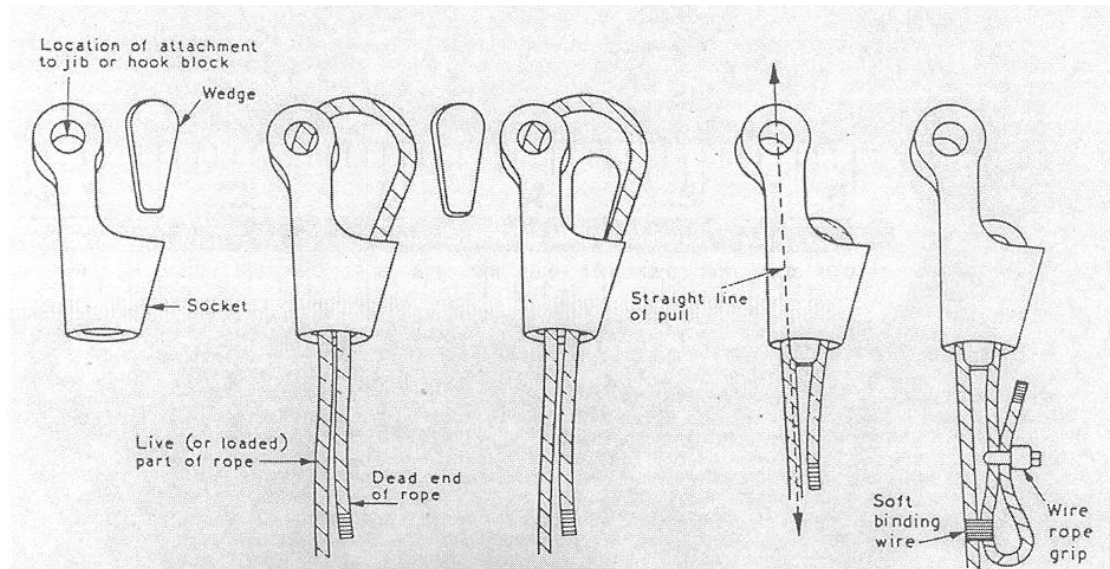


Figure 2 assembly of a typical wedge and socket type termination

The dead end of the rope is to be not less than 15 x the rope diameter in length.

The wedges and sockets are sized for a particular wire diameter and parts should never be mixed.

Maintenance

The sockets are to be periodically examined for tightness of the wedge and for cracks.

The rope is to be examined for broken wires or deformation where it emerges from the socket.

3. Termination's of Lifeboat Falls

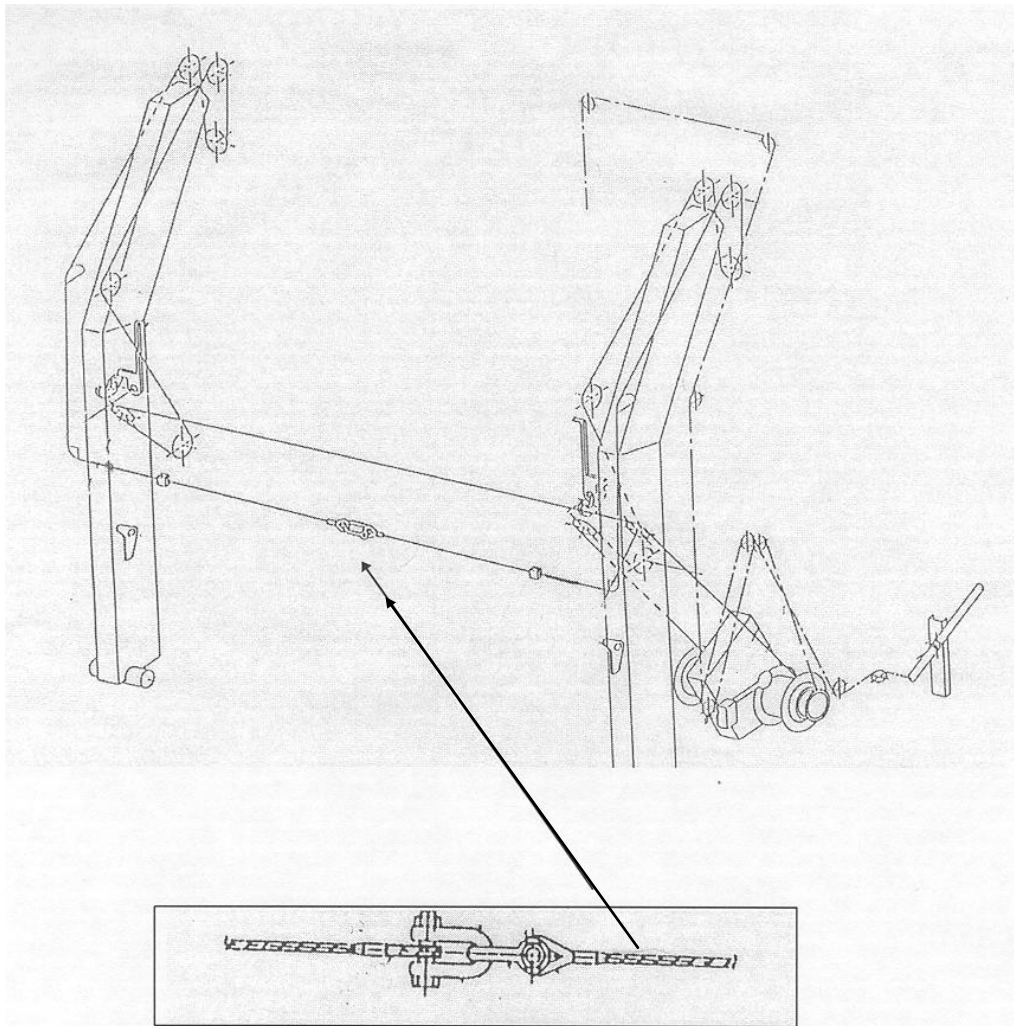


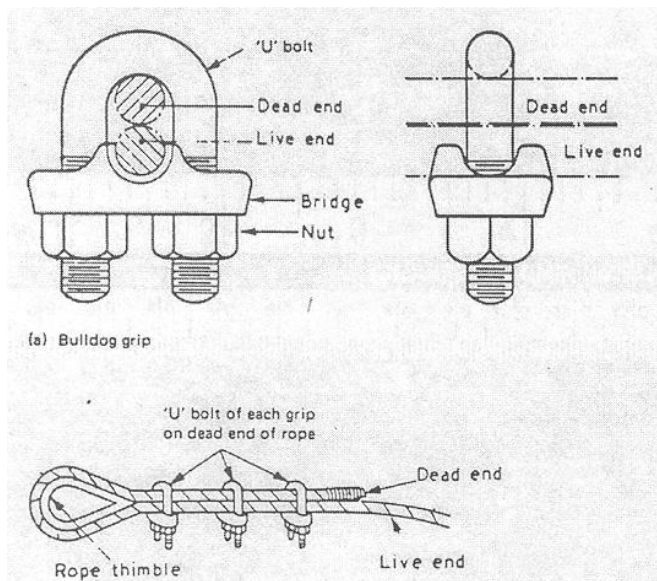
Figure 3 Example of the type of termination for lifeboat falls preferred by Isle of Man Ship Registry.

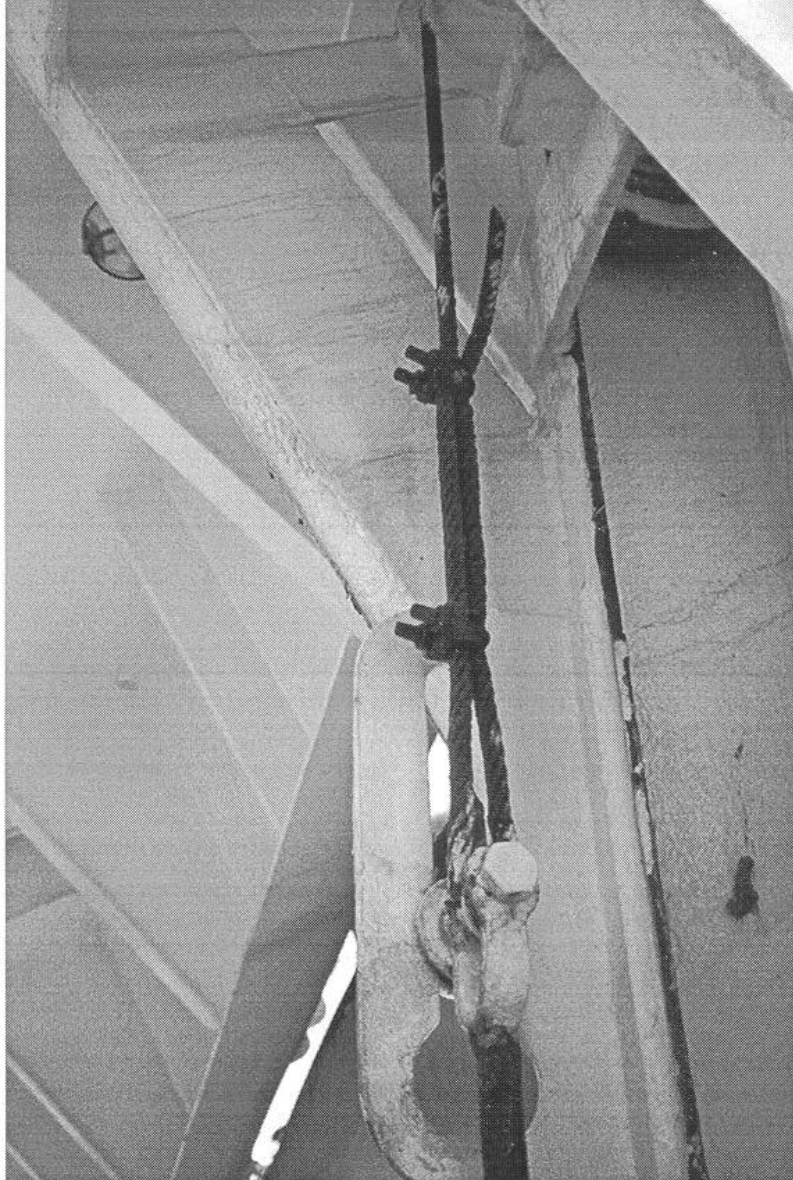
4. Unacceptable Termination's

4.1 Bull Dog / Cable Grips

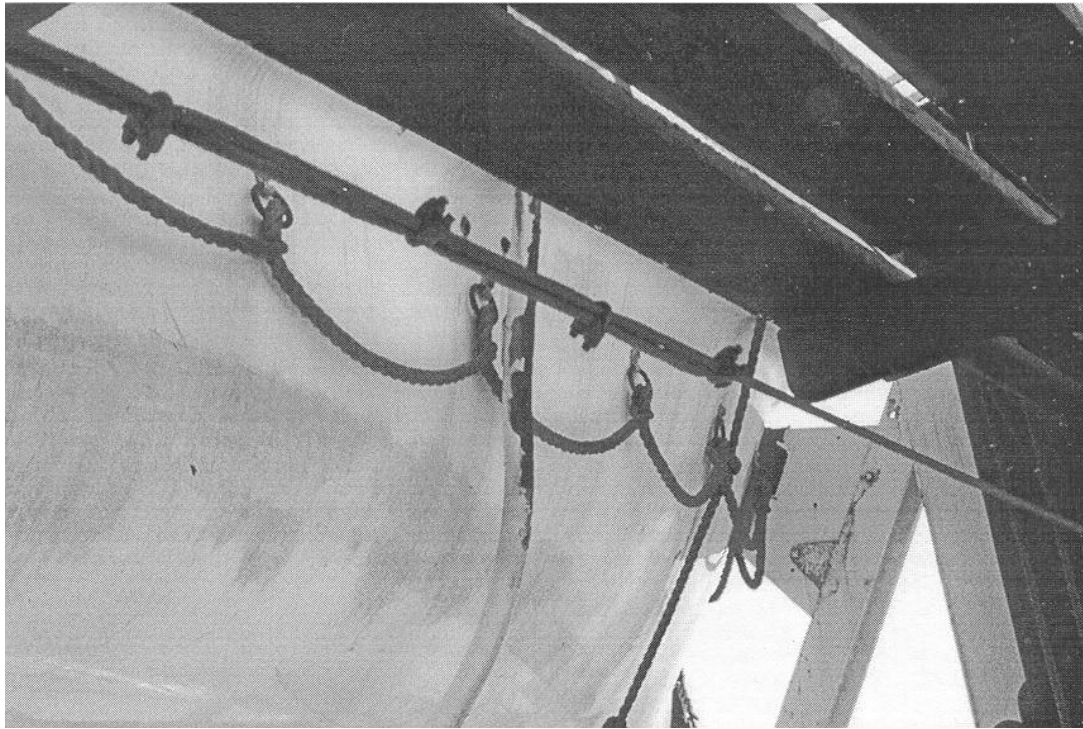
The Isle of Man Ship Registry cannot accept Bull dog grips or cable grips for the forming of eyes in wire rope such as those shown below.

Method of fitting bulldog clips





Termination is by cable grips without a ferrule and the end of the wire rope is unsecured.



The ends have been joined together directly. They should be formed into eyes with ferrules secured by wedge and socket terminations.

Isle of Man Ship Registry

December 2010

Please note - The Isle of Man Ship Registry cannot give Legal Advice. Where this document provides guidance on the law it should not be regarded as definitive. The way the law applies to any particular case can vary according to circumstances - for example, from vessel to vessel. You should consider seeking independent legal advice if you are unsure of your own legal position.