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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 11789-2007

Replacing GB/T 11789-1989

**Ropes and cordage -- Equivalence between natural fibre ropes
and man-made fibre ropes for use in the mooring of vessels**

绳索和绳索制品 系船用的天然纤维绳索与化学纤维绳索之间的等效性

(English Translation)

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Foreword

This standard 3505 ISO . 1975 equivalent "products-based marine ropes and ropes natural fiber ropes and chemical fiber ropes between "Of the non-equivalent. This standard natural fiber ropes and chemical fiber ropes specifications corresponding to specific international standards are as follows.

- Manila hemp products corresponding to ISO 1181:1990 "Manila hemp norms";
- Polyamide rope products corresponding to ISO 1140:1990 "polyamide rope norms";
- Polyester rope products corresponding to ISO 1141:1990 "polyester rope norms";
- Polypropylene rope products corresponding to ISO 1346:1990 "polypropylene rope norms." Between this standard replaces GB/T 11789-1989 "marine ropes and rope products line of natural fiber ropes and chemical fiber ropes Equivalence. " this standard compared with GB/T 11789-1989 main changes the following.
- Cancellation white Zongsheng premium product specifications;
- Increased circumference specifications;
- Correspond to international standards Year Number Update.

Appendix A of this standard is a normative appendix.

The standard proposed by China Textile Industry Association.

This standard by the Shanghai textile industry technical supervision of the centralized.

This standard by the technical supervision of the Shanghai textile industry is responsible for drafting, Baoying County, Jiangsu Province, nine of ropes, Ltd. participated in the drafting.

This standard by the technical supervision of the Shanghai Textile Industry is responsible for interpretation.

This standard superseded standard previously issued as follows.

- GB/T 11789-1989.

Ropes and rope products, natural fiber-based Marine Equivalence between the ropes and

chemical fiber ropes of

1 Scope

This standard provides a table for the Department of Marine equivalent of some natural fiber ropes and chemical fiber ropes between. The table can be used as the equivalent rope Cable user's guide.

This standard applies to the criteria listed in Chapter 2 of the provision of chemical fiber ropes.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 8050-2007 polypropylene monofilament or film ropes characteristics GB/T 11787-2007 polyester complex Si Shengsu GB/T 18674-2002 General technical conditions of fishing rope ISO 1140:1990 specification polyamide rope ISO 1141:1990 norms polyester rope ISO 1181:1990 specification Manila hemp ISO 1346:1990 Polypropylene rope Specification

Table 3 Equivalent (recommended minimum) natural fiber ropes and chemical fiber ropes between

Table 1.

Table lists the equivalent natural fiber ropes and chemical fiber ropes should among the factors noted in Appendix A.

Table 1

Manila hemp

ISO 1181

Polyamide rope

GB/T 18674

ISO 1140

Polyester rope

GB/T 11787

ISO 1141

Polypropylene rope

GB/T 8050

ISO 1346

diameter/

circumference/

mm (in)

diameter/

circumference/

mm (in)

diameter/

circumference/

mm (in)

diameter/

circumference/

mm (in)

152.4 48 (6) 48 152.4 (6) 152.4 48 (6) 48 152.4 (6) 177.8 56 (7) 48 152.4 (6) 152.4 48 (6)
52 165.1 (612 203.2 64 (8) 52 165.1 (612) 52 165.1 (612) 56 177.8 (7) 72 228.6 (9) 60
190.5 (712) 60 190.5 (712) 203.2 64 (8) 80 254.0 (10) 203.2 64 (8) 64 203.2 (8) 72 228.6
(9) 88 279.4 (11) 228.6 72 (9) 72 228.6 (9) 80 254.0 (10) 96 304.8 (12) 80 254.0 (10) 80
254.0 (10) 88 279.4 (11) 112a 355.6 (14) a 88 279.4 (11) 88 279.4 (11) 96 304.8 (12) this is
not a file rope in ISO 1181, and this data is retained in order to facilitate the manufacture of
other types of fiber rope for comparison.