

# INTERNATIONAL STANDARD

# ISO 15583

First edition  
2005-06-01

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## **Ships and marine technology — Maritime standards list**

*Navires et technologie maritime — Liste de normes maritimes*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take Part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives — Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15583 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 9, *General requirements*.

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# Ships and marine technology — Maritime standards list

## 1 Scope

This International Standard provides the list of existing maritime standards of ISO and eight (8) shipbuilding nations in the world (The People's Republic of China, Germany, India, Japan, The Republic of Korea, Poland, Russian Federation and The United States of America) as of the year 2002 by classifying the maritime standards of the aforesaid organization and nations into the codes that correspond to the existing organization of subcommittees of ISO/TC 8 as specified hereunder.

## 2 Codes of nations

The codes of the organization and nations used in this International Standard are provided in Table 1.

## 3 Codes of classifications

The codes of classifications used in this International Standard are specified in Table 2.

## 4 Classified maritime standards list

The existing maritime standards of ISO and the aforesaid nations as of year 2002 classified in the manner as specified in item 3 are provided in Table 3.

Table 1 — Nation

| CD_NATION | NATION         | MEM_BODY |
|-----------|----------------|----------|
| B         | ISO            |          |
| BR        | BRAZIL         | ABNT     |
| CN        | CHINA          | SAC      |
| CU        | CUBA           | NC       |
| CS        | CZECH REP.     | CSNI     |
| DK        | DENMARK        | DS       |
| DE        | GERMANY        | DIN      |
| IN        | INDIA          | BIS      |
| UT        | ITALY          | UNI      |
| JP        | JAPAN          | JISC     |
| KR        | KOREA Rep of   | KATS     |
| NL        | NETHERLANDS    | NEN      |
| NO        | NORWAY         | SN       |
| PL        | POLAND         | PKN      |
| PT        | PORTUGAL       | IPQ      |
| US        | UNITED STATES  | ANSI     |
| UZ        | RUSSIA         | GOST     |
| 1         | CLASSIFICATION |          |
| ZZ        | NEW WORK ITEMS | TC 8     |

Table 2 — Code table

| ID | Classification I                    | Classification II                            | Classification III                         | Code   |
|----|-------------------------------------|----------------------------------------------|--------------------------------------------|--------|
| 1  | [01] Lifesaving and Fire protection |                                              |                                            |        |
| 2  |                                     | [00] General                                 |                                            |        |
| 3  |                                     |                                              | [00] General                               | 010000 |
| 4  |                                     |                                              | [10] Terminology, Technical drawing, Plans | 010010 |
| 5  |                                     |                                              | [90] Others                                | 010090 |
| 6  |                                     | [10] Rescue boats                            |                                            |        |
| 7  |                                     |                                              | [00] General                               | 011000 |
| 8  |                                     |                                              | [90] Others                                | 011090 |
| 9  |                                     | [20] Ladders                                 |                                            |        |
| 10 |                                     |                                              | [00] General                               | 012000 |
| 11 |                                     |                                              | [90] Others                                | 012090 |
| 12 |                                     | [30] Life raft                               |                                            |        |
| 13 |                                     |                                              | [00] General                               | 013000 |
| 14 |                                     |                                              | [90] Others                                | 013090 |
| 15 |                                     | [40] Life boats (except launching machinery) |                                            |        |
| 16 |                                     |                                              | [00] General                               | 014000 |
| 17 |                                     |                                              | [90] Others                                | 014090 |
| 18 |                                     | [90] Others                                  |                                            |        |
| 19 |                                     |                                              | [00] General                               | 019000 |
| 20 |                                     |                                              | [90] Others                                | 019090 |
| 21 | [02] Marine environment protection  |                                              |                                            |        |
| 22 |                                     | [00] General                                 |                                            |        |
| 23 |                                     |                                              | [00] General                               | 020000 |
| 24 |                                     |                                              | [10] Terminology, Technical drawing, Plans | 020010 |
| 25 |                                     |                                              | [90] Others                                | 020090 |
| 26 |                                     | [10] Oil spill equipment                     |                                            |        |
| 27 |                                     |                                              | [00] General                               | 021000 |
| 28 |                                     |                                              | [90] Others                                | 021090 |
| 29 |                                     | [20] Discharge water treatment               |                                            |        |
| 30 |                                     |                                              | [00] General                               | 022000 |
| 31 |                                     |                                              | [90] Others                                | 022090 |
| 32 |                                     | [90] Others                                  |                                            |        |
| 33 |                                     |                                              | [00] General                               | 029000 |

Table 2 (continued)

| ID | Classification I                   | Classification II                   | Classification III                                          | Code   |
|----|------------------------------------|-------------------------------------|-------------------------------------------------------------|--------|
| 34 |                                    |                                     | [90] Others                                                 | 029090 |
| 35 | [03] Piping and machinery          |                                     |                                                             |        |
| 36 |                                    | [00] General                        |                                                             |        |
| 37 |                                    |                                     | [00] General                                                | 030000 |
| 38 |                                    |                                     | [10] Terminology, Technical drawing, Plans                  | 030010 |
| 39 |                                    |                                     | [90] Others                                                 | 030090 |
| 40 |                                    | [10] Ship machinery                 |                                                             |        |
| 41 |                                    |                                     | [00] General                                                | 031000 |
| 42 |                                    |                                     | [10] Piping                                                 | 031010 |
| 43 |                                    |                                     | [20] Pump                                                   | 031020 |
| 44 |                                    |                                     | [30] Cocks and valves                                       | 031030 |
| 45 |                                    |                                     | [40] Ventilation, air cooling and air heating installations | 031040 |
| 46 |                                    |                                     | [50] Oil                                                    | 031050 |
| 47 |                                    |                                     | [60] Hoses                                                  | 031060 |
| 48 |                                    |                                     | [70] Machinery, Propulsion plants, Rudders                  | 031070 |
| 49 |                                    |                                     | [90] Others                                                 | 031090 |
| 50 |                                    | [20] Incinerators                   |                                                             |        |
| 51 |                                    |                                     | [00] General                                                | 032000 |
| 52 |                                    |                                     | [90] Others                                                 | 032090 |
| 53 |                                    | [90] Others                         |                                                             |        |
| 54 |                                    |                                     | [00] General                                                | 039000 |
| 55 |                                    |                                     | [90] Others                                                 | 039090 |
| 56 | [04] Outfitting and deck machinery |                                     |                                                             |        |
| 57 |                                    | [00] General                        |                                                             |        |
| 58 |                                    |                                     | [00] General                                                | 040000 |
| 59 |                                    |                                     | [10] Terminology, Technical drawing, Plans                  | 040010 |
| 60 |                                    |                                     | [90] Others                                                 | 040090 |
| 61 |                                    | [10] Life boats launching machinery |                                                             |        |
| 62 |                                    |                                     | [00] General                                                | 041000 |
| 63 |                                    |                                     | [90] Others                                                 | 041090 |
| 64 |                                    | [20] Deck machinery                 |                                                             |        |
| 65 |                                    |                                     | [00] General                                                | 042000 |

Table 2 (continued)

| ID | Classification I          | Classification II       | Classification III                         | Code   |
|----|---------------------------|-------------------------|--------------------------------------------|--------|
| 66 |                           |                         | [10] Anchorage                             | 042010 |
| 67 |                           |                         | [20] Winches                               | 042020 |
| 68 |                           |                         | [90] Others                                | 042090 |
| 69 |                           | [30] Outfitting         |                                            |        |
| 70 |                           |                         | [00] General                               | 043000 |
| 71 |                           |                         | [10] Cargo gear                            | 043010 |
| 72 |                           |                         | [90] Others                                | 043090 |
| 73 |                           | [90] Others             |                                            |        |
| 74 |                           |                         | [00] General                               | 049000 |
| 75 |                           |                         | [10] Ropes                                 | 049010 |
| 76 |                           |                         | [90] Others                                | 049090 |
| 77 | [05] Ships' bridge layout |                         |                                            |        |
| 78 |                           | [00] General            |                                            |        |
| 79 |                           |                         | [00] General                               | 050000 |
| 80 |                           |                         | [10] Terminology, Technical drawing, Plans | 050010 |
| 81 |                           |                         | [90] Others                                | 050090 |
| 82 |                           | [10] Bridge layout      |                                            |        |
| 83 |                           |                         | [00] General                               | 051000 |
| 84 |                           |                         | [90] Others                                | 051090 |
| 85 |                           | [20] Instrumentation    |                                            |        |
| 86 |                           |                         | [00] General                               | 052000 |
| 87 |                           |                         | [90] Others                                | 052090 |
| 88 |                           | [90] Others             |                                            |        |
| 89 |                           |                         | [00] General                               | 059000 |
| 90 |                           |                         | [90] Others                                | 059090 |
| 91 | [06] Navigation           |                         |                                            |        |
| 92 |                           | [00] General            |                                            |        |
| 93 |                           |                         | [00] General                               | 060000 |
| 94 |                           |                         | [10] Terminology, Technical drawing, Plans | 060010 |
| 95 |                           |                         | [90] Others                                | 060090 |
| 96 |                           | [10] Gyro compasses     |                                            |        |
| 97 |                           |                         | [00] General                               | 061000 |
| 98 |                           |                         | [90] Others                                | 061090 |
| 99 |                           | [20] Magnetic compasses |                                            |        |

Table 2 (continued)

| ID  | Classification I    | Classification II               | Classification III                         | Code   |
|-----|---------------------|---------------------------------|--------------------------------------------|--------|
| 100 |                     |                                 | [00] General                               | 062000 |
| 101 |                     |                                 | [90] Others                                | 062090 |
| 102 |                     | [30] Auto pilot                 |                                            |        |
| 103 |                     |                                 | [00] General                               | 063000 |
| 104 |                     |                                 | [90] Others                                | 063090 |
| 105 |                     | [40] High speed craft equipment |                                            |        |
| 106 |                     |                                 | [00] General                               | 064000 |
| 107 |                     |                                 | [90] Others                                | 064090 |
| 108 |                     | [90] Others                     |                                            |        |
| 109 |                     |                                 | [00] General                               | 069000 |
| 110 |                     |                                 | [90] Others                                | 069090 |
| 111 | [07] Inland vessels |                                 |                                            |        |
| 112 |                     | [00] General                    |                                            |        |
| 113 |                     |                                 | [00] General                               | 070000 |
| 114 |                     |                                 | [10] Terminology, Technical drawing, Plans | 070010 |
| 115 |                     |                                 | [90] Others                                | 070090 |
| 116 |                     | [10] Equipment and technology   |                                            |        |
| 117 |                     |                                 | [00] General                               | 071000 |
| 118 |                     |                                 | [90] Others                                | 071090 |
| 119 |                     | [20] Work ships                 |                                            |        |
| 120 |                     |                                 | [00] General                               | 072000 |
| 121 |                     |                                 | [90] Others                                | 072090 |
| 122 |                     | [90] Others                     |                                            |        |
| 123 |                     |                                 | [00] General                               | 079000 |
| 124 |                     |                                 | [90] Others                                | 079090 |
| 125 | [08] Structures     |                                 |                                            |        |
| 126 |                     | [00] General                    |                                            |        |
| 127 |                     |                                 | [00] General                               | 080000 |
| 128 |                     |                                 | [10] Terminology, Technical drawing, Plans | 080010 |
| 129 |                     |                                 | [90] Others                                | 080090 |
| 130 |                     | [10] Windows and scuttles       |                                            |        |
| 131 |                     |                                 | [00] General                               | 081000 |
| 132 |                     |                                 | [90] Others                                | 081090 |
| 133 |                     | [20] Doors and hatches          |                                            |        |

Table 2 (continued)

| ID  | Classification I           | Classification II | Classification III                         | Code   |
|-----|----------------------------|-------------------|--------------------------------------------|--------|
| 134 |                            |                   | [00] General                               | 082000 |
| 135 |                            |                   | [10]                                       | 082010 |
| 136 |                            |                   | [90]                                       | 082090 |
| 137 |                            | [30] Passageways  |                                            |        |
| 138 |                            |                   | [00] General                               | 083000 |
| 139 |                            |                   | [10] Stairs and ladders                    | 083010 |
| 140 |                            |                   | [20] Guardrails                            | 083020 |
| 141 |                            |                   | [90] Others                                | 083090 |
| 142 |                            | [90] Others       |                                            |        |
| 143 |                            |                   | [00] General                               | 089000 |
| 144 |                            |                   | [10]                                       | 089010 |
| 145 |                            |                   | [90] Others                                | 089090 |
| 146 | [09] General requirements  |                   |                                            |        |
| 147 |                            | [00] General      |                                            |        |
| 148 |                            |                   | [00] General                               | 090000 |
| 149 |                            |                   | [10] Terminology, Technical drawing, Plans | 090010 |
| 150 |                            |                   | [90] Others                                | 090090 |
| 151 |                            | [10] Sea trials   |                                            |        |
| 152 |                            |                   | [00] General                               | 091000 |
| 153 |                            |                   | [10] Speed trials                          | 091010 |
| 154 |                            |                   | [20] Sea trials                            | 091020 |
| 155 |                            |                   | [30] Manoeuvring                           | 091030 |
| 156 |                            |                   | [90] Others                                | 091090 |
| 157 |                            | [90] Others       |                                            |        |
| 158 |                            |                   | [00] General                               | 099000 |
| 159 |                            |                   | [10] Corrosion                             | 099010 |
| 160 |                            |                   | [90] Others                                | 099090 |
| 161 | [10] Computer applications |                   |                                            |        |
| 162 |                            | [00] General      |                                            |        |
| 163 |                            |                   | [00] General                               | 100000 |
| 164 |                            |                   | [10] Terminology, Technical drawing, Plans | 100010 |
| 165 |                            |                   | [90] Others                                | 100090 |
| 166 |                            | [90] Others       |                                            |        |

Table 2 (continued)

| ID  | Classification I                       | Classification II | Classification III                         | Code   |
|-----|----------------------------------------|-------------------|--------------------------------------------|--------|
| 167 |                                        |                   | [00] General                               | 109000 |
| 168 |                                        |                   | [90] Others                                | 109090 |
| 169 | [11] Intermodal and short sea shipping |                   |                                            |        |
| 170 |                                        | [00] General      |                                            |        |
| 171 |                                        |                   | [00] General                               | 110000 |
| 172 |                                        |                   | [10] Terminology, Technical drawing, Plans | 110010 |
| 173 |                                        |                   | [90] Others                                | 110090 |
| 174 |                                        | [90] Others       |                                            |        |
| 175 |                                        |                   | [00] General                               | 119000 |
| 176 |                                        |                   | [90] Others                                | 119090 |
| 177 | [90] Others                            |                   |                                            |        |
| 178 |                                        | [00] General      |                                            |        |
| 179 |                                        |                   | [00] General                               | 900000 |
| 180 |                                        |                   | [10] Terminology, Technical drawing, Plans | 900010 |
| 181 |                                        |                   | [90] Others                                | 900090 |
| 182 |                                        | [90] Others       |                                            |        |
| 183 |                                        |                   | [00] General                               | 909000 |
| 184 |                                        |                   | [90] Others                                | 909090 |

Table 3 — Reference number (HEAD and S\_NUMBER) and title of national standards

| CODE   | HEAD    | S_NUMBER   | TITLE OF STANDARD                                                                              | NATION |
|--------|---------|------------|------------------------------------------------------------------------------------------------|--------|
| 010000 | ASTM F  | 1270       | Standard Practice for Preparing and Locating Emergency Station Lists                           | US     |
| 010000 | ASTM F  | 1297       | Standard Guide for Location and Instruction Symbols for Evacuation and Lifesaving Equipment    | US     |
| 010000 | ASTM F  | 1994       | Standard Test Method for Shipboard Fixed Foam Firefighting Systems                             | US     |
| 010000 | JIS F   | 0090-99    | Ship's safety signs                                                                            | JP     |
| 010000 | KSV     | 0056       | Glossary of terms for pleasure boats (Class and operator)                                      | KR     |
| 010000 | PN-67/W | 46441      | Life rafts and buoyant apparatus in ships — Marking, inscriptions and colours                  | PL     |
| 010000 | PN-W-   | 50012:1997 | Ship's life saving appliances — Life saving signals board — Requirements and tests             | PL     |
| 010010 | ASTM F  | 1626       | Standard Practice for Preparing Shipboard Fire Control Plans                                   | US     |
| 010010 | IS      | 10548:1983 | Plans for fire control and life saving equipment — symbols                                     | IN     |
| 010010 | JIS F   | 0051-83    | Symbols for lifesaving appliance and fire-fighting of ships                                    | JP     |
| 010010 | KSV     | 0054       | Pleasure boat — Vocabulary — Hull                                                              | KR     |
| 010010 | KSV     | 0061       | Symbols for lifesaving appliance and fire fighting of ships                                    | KR     |
| 010090 | IS      | 6685:1972  | Life jackets                                                                                   | IN     |
| 010090 | KSV     | 0055       | Pleasure boat — Vocabulary — Rigs                                                              | KR     |
| 010090 | KSV     | 0934       | Buoyant apparatus for marine use                                                               | KR     |
| 011090 | ISO     | 15372-00   | Ships and marine technology — Inflatable rescue boats — Coated fabrics for inflatable chambers | B      |
| 011090 | KSVISO  | 15372      | Ships and marine technology — Inflatable rescue boats — Coated fabrics for inflatable chambers | KR     |
| 012000 | DIN ISO | 5489       | Shipbuilding; embarkation ladders; identical with ISO 5489, edition 1986                       | DE     |
| 012000 | DIN ISO | 799        | Shipbuilding; pilot ladders; identical with ISO 799, edition 1986                              | DE     |
| 012000 | ISO     | 799:2004   | Shipbuilding — Pilot ladders                                                                   | B      |
| 012000 | ISO     | 5488-79    | Shipbuilding — Accommodation ladders                                                           | B      |
| 012000 | ISO     | 5489:1986  | Shipbuilding — Embarkation ladders                                                             | B      |
| 012000 | ISO     | 7364:1983  | Shipbuilding and marine structures — Deck machinery — Accommodation ladder winches             | B      |
| 012000 | KSVISO  | 5489       | Shipbuilding — Embarkation ladders                                                             | KR     |
| 012000 | PN-83/W | 52501      | Shipbuilding — Rope ladders                                                                    | PL     |
| 012000 | PN-EN   | 29519:1996 | Shipbuilding and marine structures — Rungs for dog-step ladders                                | PL     |
| 012000 | PN-ISO  | 5488:1997  | Shipbuilding — Accommodation ladders                                                           | PL     |
| 012000 | PN-ISO  | 7061:1997  | Aluminium shore gangways for seagoing vessels                                                  | PL     |
| 012000 | PN-ISO  | 7364:1998  | Shipbuilding and marine structures — Deck machinery — Accommodation ladder winches             | PL     |
| 012000 | PN-W-   | 88032      | Stairs                                                                                         | PL     |
| 012090 | IS      | 4383:1983  | Pilot and embarkation ladders                                                                  | IN     |
| 012090 | ISO     | 7061:1983  | Shipbuilding — Aluminium shore gangways for seagoing vessels                                   | B      |

Table 3 (continued)

| CODE   | HEAD   | S_NUMBER        | TITLE OF STANDARD                                                                                            | NATION |
|--------|--------|-----------------|--------------------------------------------------------------------------------------------------------------|--------|
| 012090 | JIS F  | 2602-99         | Vertical steel ladders                                                                                       | JP     |
| 012090 | JIS F  | 2603-70         | Steel deck ladders                                                                                           | JP     |
| 012090 | JIS F  | 2605-99         | Small size steel accommodation ladders                                                                       | JP     |
| 012090 | JIS F  | 2612-95         | Steel wharf ladders                                                                                          | JP     |
| 012090 | JIS F  | 2614-67         | Bulwark ladders                                                                                              | JP     |
| 012090 | JIS F  | 2615-82         | Pilot ladders                                                                                                | JP     |
| 012090 | JIS F  | 2617-89         | Embarkation ladders                                                                                          | JP     |
| 012090 | JIS F  | 2621-95         | Accommodation ladders                                                                                        | JP     |
| 012090 | JIS F  | 2622-95         | Pilot accommodation ladders                                                                                  | JP     |
| 012090 | JIS F  | 2623-90         | Wharf ladders for small ships                                                                                | JP     |
| 012090 | JIS F  | 7502-99         | Shipbuilding — Steel ladders and steel handrails                                                             | JP     |
| 012090 | PN-W-  | 18057:1996      | Shipbuilding and marine structures — Vertical ladders                                                        | PL     |
| 013000 | IS     | 11641:1986      | General requirements and testing of marine inflatable liferafts                                              | IN     |
| 013000 | IS     | 3732:1966       | Rigid liferafts                                                                                              | IN     |
| 013000 | KSV    | 0933            | Life rafts for marine use                                                                                    | KR     |
| 013000 | KSVISO | 15734           | Ships and marine technology — Hydrostatic release units                                                      | KR     |
| 013090 | TR     | 6065-91         | Shipbuilding and marine structures — Inflatable liferafts — Materials                                        | B      |
| 014000 | GB     | 11573-89        | Specification for totally enclosed lifeboats                                                                 | CN     |
| 014000 | GB     | 14355-93        | Specifications for open lifeboats                                                                            | CN     |
| 014000 | GB     | 14651-93        | Partially enclosed lifeboats — Specification                                                                 | CN     |
| 014000 | GB     | 16302-96        | Technical requirement of free-fall lifeboats                                                                 | CN     |
| 014000 | IS     | 4568:1968       | Lifeboat oars (wood)                                                                                         | IN     |
| 014000 | KSV    | 2812            | LIFEBOATS                                                                                                    | KR     |
| 014090 | GB     | 16167-96        | Technical conditions of lifeboat glass fibre reinforced plastics laminate                                    | CN     |
| 014090 | IS     | 14270(Pt1):1995 | Shipbuilding — Pyrotechnic distress signals for ships — Part 1: General requirements                         | IN     |
| 014090 | IS     | 14270(Pt2):1997 | Shipbuilding — Pyrotechnic distress signals for ships — Part 2: Red flare parachute signal                   | IN     |
| 014090 | IS     | 14270(Pt3):1997 | Shipbuilding — Pyrotechnic distress signals for ships — Part 3: Red star rocket signal — Specification       | IN     |
| 014090 | IS     | 14270(Pt4):1997 | Shipbuilding — Pyrotechnic distress signals for ships — Part 4: White flare signal — Specification           | IN     |
| 014090 | IS     | 14270(Pt5):1997 | Shipbuilding — Pyrotechnic distress signals for ships — Part 5: White flare parachute signal — Specification | IN     |
| 014090 | IS     | 14270(Pt8):1997 | Shipbuilding — Pyrotechnic distress signals for ships — Part 8: Orange smoke signal — Specification          | IN     |
| 014090 | IS     | 3586:1966       | Recommendations for lifeboat equipment                                                                       | IN     |
| 014090 | IS     | 4551:1968       | Lifeboat crutch                                                                                              | IN     |

Table 3 (continued)

| CODE   | HEAD | S_NUMBER   | TITLE OF STANDARD                                                                                           | NATION |
|--------|------|------------|-------------------------------------------------------------------------------------------------------------|--------|
| 014090 | IS   | 4602:1968  | General requirements and testing of lifeboats for less than one hundred persons                             | IN     |
| 014090 | IS   | 5327:1969  | Rigid bailers for lifeboats                                                                                 | IN     |
| 014090 | IS   | 5385:1969  | Lifeboat accessories                                                                                        | IN     |
| 015010 | GOST | 22336-77   | Life-jackets. Technical specifications                                                                      | UZ     |
| 019000 | DIN  | 81230-1    | Ships and marine technology — Low-Location Lighting system (LLL) — Part 1: General information              | DE     |
| 019000 | DIN  | 81230-2    | Ships and marine technology — Low-Location Lighting system (LLL) — Part 2: Photoluminescent system (PL)     | DE     |
| 019000 | DIN  | 81230-3    | Ships and marine structures — Low-Location Lighting system (LLL) — Part 3: Electrically powered system (EP) | DE     |
| 019000 | DIN  | 83453      | Holders for lifebuoys                                                                                       | DE     |
| 019000 | DIN  | 83500      | Lifebuoys                                                                                                   | DE     |
| 019000 | GB   | 2031-94    | Marine fire connections                                                                                     | CN     |
| 019000 | GB   | 2032-93    | Marine flanged fire hydrants                                                                                | CN     |
| 019000 | GB   | 3107.01-91 | General specifications for Pyrotechnic distress signals for ships                                           | CN     |
| 019000 | GB   | 3107.02-91 | Red flare parachute signal for ships                                                                        | CN     |
| 019000 | GB   | 3107.03-91 | Red star rocket signal for ships                                                                            | CN     |
| 019000 | GB   | 3107.04-91 | White flare signal for ships                                                                                | CN     |
| 019000 | GB   | 3107.05-91 | White flare parachute signal for ships                                                                      | CN     |
| 019000 | GB   | 3107.06-91 | Explosive shell signal for ships                                                                            | CN     |
| 019000 | GB   | 3107.07-91 | Explosive rocket signal for ships                                                                           | CN     |
| 019000 | GB   | 3107.08-91 | Orange smoke signal for ships                                                                               | CN     |
| 019000 | GB   | 3107.09-91 | Red flare signal for ships                                                                                  | CN     |
| 019000 | GB   | 3107.10-91 | Self-igniting light and orange smoke signal for lifebuoys                                                   | CN     |
| 019000 | GB   | 4302-84    | Life buoys                                                                                                  | CN     |
| 019000 | GB   | 4303-84    | Lifejackets for ships                                                                                       | CN     |
| 019000 | GB   | 4541-91    | Self-ignition light for lifebuoys                                                                           | CN     |
| 019000 | GB   | 4542-91    | Green star signal rocket for ships                                                                          | CN     |
| 019000 | GB   | 4543-91    | Orange smoke signal for lifebuoys                                                                           | CN     |
| 019000 | GB   | 5869-86    | Lifejacket lights                                                                                           | CN     |
| 019000 | GB   | 9953-99    | Specifications for thermal insulation buoyant immersion suits                                               | CN     |
| 019000 | GB   | 12757-92   | Thermal protective aids for life-saving                                                                     | CN     |
| 019000 | GB   | 14088-93   | Marine halon fire extinguishing system — Technical specification                                            | CN     |
| 019000 | GB   | 14089-93   | Marine halon fire extinguishing units                                                                       | CN     |
| 019000 | IS   | 11608:1986 | Signalling whistle for life saving appliances for sea-going ships                                           | IN     |
| 019000 | IS   | 3573:1966  | Sea anchors for lifeboats and liferafts                                                                     | IN     |
| 019000 | IS   | 3580:1966  | General requirements for distress signals for lifeboats and liferafts                                       | IN     |
| 019000 | IS   | 3947:1994  | Shipbuilding — Testing, installation and maintenance of marine portable fire appliances — Code of practice  | IN     |

Table 3 (continued)

| CODE   | HEAD     | S_NUMBER   | TITLE OF STANDARD                                                                                                         | NATION |
|--------|----------|------------|---------------------------------------------------------------------------------------------------------------------------|--------|
| 019000 | IS       | 4562:1997  | Portable chemical fire extinguishers, foam type for marine use — Specification                                            | IN     |
| 019000 | IS       | 5314:1986  | Graduated drinking vessels for lifeboats and liferafts for sea going ships                                                | IN     |
| 019000 | IS       | 5326:1969  | Cork lifebuoys                                                                                                            | IN     |
| 019000 | IS       | 8150:1997  | 45-litre capacity chemical foam engine for marine use                                                                     | IN     |
| 019000 | ISO      | 14564:1995 | Shipbuilding and marine structures — Marking of escape routes                                                             | B      |
| 019000 | ISO      | 15370:2001 | Ships and marine technology — Low-location lighting on passenger ships                                                    | B      |
| 019000 | JIS F    | 2607-94    | Shipbuilding — Cargo ships — Guardrails                                                                                   | JP     |
| 019000 | JIS F    | 2613-99    | Shipbuilding — Aluminium shore gangways                                                                                   | JP     |
| 019000 | JIS F    | 3610-89    | Ships' fire axes                                                                                                          | JP     |
| 019000 | JIS F    | 8051       | Ships-Cable penetration of "A" Class fire protection divisions — Design                                                   | JP     |
| 019000 | JIS F    | 8052       | Basic design of Insulation Level Monitoring Device for Marine Use                                                         | JP     |
| 019000 | JIS F    | 8413       | Shipbuilding — Boat deck lights                                                                                           | JP     |
| 019000 | KSV      | 0820       | Fire resistance of hose assemblies — Test methods                                                                         | KR     |
| 019000 | KSV      | 0821       | Fire resistance of hose assemblies — Requirements for the test bench                                                      | KR     |
| 019000 | KSVISO   | 15370      | Ships and marine technology — Low-location lighting on passenger ships — Arrangement                                      | KR     |
| 019000 | NP       | 3575-97    | Shipbuilding — Quick release lifebuoy supports                                                                            | PT     |
| 019000 | NP       | 3576-97    | Shipbuilding — Lifebuoy supports                                                                                          | PT     |
| 019000 | PN-86/W  | 50000      | Lifebuoys                                                                                                                 | PL     |
| 019000 | PN-93/W- | 50011      | Ships' life-saving appliances — First-aid medicine chests                                                                 | PL     |
| 019000 | PN-94/W  | 50010      | Life jackets — Requirement and tests                                                                                      | PL     |
| 019090 | ASTM F   | 1003       | Standard Specification for Searchlights on Motor Lifeboats                                                                | US     |
| 019090 | ASTM F   | 1014       | Standard Specification for Flashlights on Vessels                                                                         | US     |
| 019090 | ASTM F   | 1018       | Standard Specification for Steel Emergency Gear Stowage Locker                                                            | US     |
| 019090 | ASTM F   | 1198       | Standard Guide for Shipboard Fire Detection Systems                                                                       | US     |
| 019090 | ASTM F   | 1384       | Standard Practice for Fire Tests of Marine Joiner Doors Assembly                                                          | US     |
| 019090 | ASTM F   | 1546/1546M | Standard Specification for Fire Hose Nozzles                                                                              | US     |
| 019090 | ISO      | 15371:2000 | Ships and marine technology — Fire extinguishing systems for protection of galley deep-fat cooking equipment — Fire tests | B      |
| 019090 | JIS F    | 8041-86    | Recommended levels of illumination and methods of illumination measurements for marine use                                | JP     |
| 019090 | JIS F    | 8414       | Watertight type lights for marine use — Pendant lights, Wall lights, Signalling lights and Hand lamps                     | JP     |
| 019090 | JIS F    | 8422       | Shipbuilding — Flameproof ceiling lights                                                                                  | JP     |
| 019090 | JIS F    | 8425       | Shipbuilding — Flameproof portable electric lamps — Dry cells and batteries type                                          | JP     |
| 019090 | JIS F    | 8431       | Marine ballasts for fluorescent lamps                                                                                     | JP     |

Table 3 (continued)

| CODE   | HEAD     | S_NUMBER        | TITLE OF STANDARD                                                                                                         | NATION |
|--------|----------|-----------------|---------------------------------------------------------------------------------------------------------------------------|--------|
| 019090 | JIS F    | 8456            | Shipbuilding — Portable daylight signalling lamps                                                                         | JP     |
| 019090 | JIS F    | 8459            | Marine searchlights                                                                                                       | JP     |
| 019090 | JIS F    | 8501            | Shipbuilding — Watertight electric bells                                                                                  | JP     |
| 019090 | JIS F    | 8502            | Shipbuilding — Electric buzzers                                                                                           | JP     |
| 019090 | KSV      | 0053            | Pleasure boat — Vocabulary — Fittings                                                                                     | KR     |
| 019090 | KSV      | 0928            | Method of non-combustibility test for marine use                                                                          | KR     |
| 019090 | KSV      | 0929            | Method of fire protection tests of fire door for marine use                                                               | KR     |
| 019090 | KSV      | 0930            | Method of fire resistance tests of fire door for marine use                                                               | KR     |
| 019090 | KSV      | 0931            | Method of fire resistance tests of fire damper for marine use                                                             | KR     |
| 019090 | KSV      | 3321            | Small craft — Anchor chains                                                                                               | KR     |
| 019090 | KSV      | 3620            | Ships' fire axes                                                                                                          | KR     |
| 019090 | PN-71/W- | 70001           | Lights used in sea and inland navigation — The rangers of the chromaticity                                                | PL     |
| 019090 | PN-89/W  | 49051           | Ship signalling equipment — Pneumatic whistles                                                                            | PL     |
| 019090 | PN-W-    | 21012:1996      | Day shapes for sea-going vessels                                                                                          | PL     |
| 019090 | PN-W-    | 50002:1998      | Ship signalling equipment — Ensigns, flags and jacks                                                                      | PL     |
| 019090 | PN-W-    | 50013:1997      | Ship life-saving equipment — Life-saving equipment marking boards — General requirements                                  | PL     |
| 020000 | ASTM F   | 1799            | Standard Guide for Shipboard Generated Waste Management Audits                                                            | US     |
| 020000 | KSV      | 0817            | General rules for environmental tests of control and instrumentation equipment for marine use                             | KR     |
| 020010 | IS       | 13161(Pt1):1991 | Shipbuilding — Noise levels on board ships — Part 1: Glossary of terms                                                    | IN     |
| 020010 | IS       | 14809:2000      | Shipbuilding — Conventional signs to be used on schemes for the installation of sanitary systems in ships                 | IN     |
| 020010 | ISO      | 16165:2001      | Ships and marine technology — Marine environment protection — Terminology relating to oil spill response                  | B      |
| 020010 | KSV      | 0027            | Shipbuilding — Machinery — Vibration, noise, environment and air pollution — Vocabulary                                   | KR     |
| 020010 | KSVISO   | 16165           | Ships and marine technology — Marine environment protection — Terminology relating to oil spill response                  | KR     |
| 021000 | GB       | 12918-91        | Specification for oil discharge monitoring and control systems for oil tankers                                            | CN     |
| 021000 | GB       | 12921-91        | Marine oil-water interface detector specifications                                                                        | CN     |
| 021000 | GB       | 17728-99        | Oil spill skimmer                                                                                                         | CN     |
| 021000 | KSV      | 0925            | Oil filtering equipment for marine use                                                                                    | KR     |
| 021090 | KSV      | 0923            | Oil content meter and bilge alarm for marine use                                                                          | KR     |
| 021090 | KSV      | 0924            | Oil-water interface detectors for marine use                                                                              | KR     |
| 021090 | KSV      | 0926            | Oil discharge monitoring and control system for marine use                                                                | KR     |
| 022000 | GB       | 10833-89        | Marine sewage treatment system — Specification                                                                            | CN     |
| 022090 | KSV      | 0816            | Methods of onboard test on automatic control of compressed air, bilge, fresh water and sanitary systems for smaller ships | KR     |

Table 3 (continued)

| CODE   | HEAD     | S_NUMBER        | TITLE OF STANDARD                                                                                                                                        | NATION |
|--------|----------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 022090 | KSV      | 0922            | Sewage treatment plant (electrolysis type) for marine use                                                                                                | KR     |
| 022090 | KSV      | 6612            | Methods of onboard test for oil purifier of sludge — Automatic discharge type for smaller ships                                                          | KR     |
| 029000 | EN       | 1305-99         | Inland navigation vessels — Connections for the discharge of oily mixture                                                                                | PT     |
| 029000 | EN       | 1306-99         | Inland navigation vessels — Connections for the discharge of waste water                                                                                 | PT     |
| 029000 | GB       | 12919-1991      | Cleaning equipments of controled air source for ships                                                                                                    | CN     |
| 029000 | IS       | 13161(Pt5):1991 | Shipbuilding — Noise levels on board ships — Part 5: Requirements for protection                                                                         | IN     |
| 029000 | IS       | 13161(Pt6):1991 | Shipbuilding — Noise levels on board ships — Part 6: Guidelines for controlling noise exposure                                                           | IN     |
| 029000 | IS       | 13290:1992      | Shipbuilding — Measurement and reporting of shipboard vibration data — Code of practice                                                                  | IN     |
| 029000 | IS       | 13633:1993      | Shipbuilding — Measurement and reporting of local vibration data of ships, structures and equipment — Code of practice                                   | IN     |
| 029000 | JIS F    | 0027-95         | Shipbuilding — Machinery — Vibration, noise, environment and air pollution — Vocabulary                                                                  | JP     |
| 029000 | JIS F    | 0906-99         | Allowable value of vibration for ships machinery                                                                                                         | JP     |
| 029000 | JIS F    | 0907-03         | Mechanical vibration — Guidelines for the measurement, reporting and evaluation of vibration with regard to habitability on passenger and merchant ships | JP     |
| 029000 | KSV      | 0818            | General rules for environmental test of marine electrical apparatus                                                                                      | KR     |
| 029000 | PN-92/W- | 1351            | Mechanical vibration and shock — Guidelines for the overall evaluation of vibration in merchant ships                                                    | PL     |
| 029000 | PN-92/W- | 1352            | Code for the measurement and reporting of shipboard vibration data                                                                                       | PL     |
| 029000 | PN-92/W- | 1353            | Code for the measurement and reporting of local vibration data of ship structures and equipment                                                          | PL     |
| 029000 | PN-92/W- | 33051           | Biological sewage treatment installation on the ships — Requirements and tests                                                                           | PL     |
| 029090 | ASTM F   | 1878            | Standard Guide for Escort Vessel Evaluation and Selection                                                                                                | US     |
| 029090 | IS       | 13121:1991      | Shipbuilding — Over all evaluation of vibration in ships — Guidelines                                                                                    | IN     |
| 029090 | IS       | 13161(Pt2):1992 | Shipbuilding — Noise levels on board ships — Part 2: Measurement                                                                                         | IN     |
| 029090 | IS       | 13161(Pt3):1991 | Shipbuilding — Noise levels on board ships — Part 3: Maximum noise levels — Code of practice                                                             | IN     |
| 029090 | IS       | 13161(Pt4):1991 | Shipbuilding — Noise levels on board ships — Part 4: Noise exposure limits                                                                               | IN     |
| 029090 | JIS F    | 0904-81         | Measurement of noise level on board vessels (Machinery part)                                                                                             | JP     |
| 029090 | JIS F    | 0905-98         | Measurement of noise level on board vessels (hull part)                                                                                                  | JP     |
| 029090 | KSVISO   | 8099            | Small craft — Toilet waste retention systems                                                                                                             | KR     |
| 029090 | PN-ISO   | 2923:2001       | Acoustics — Measurement of noise on board vessels                                                                                                        | PL     |
| 029090 | PN-W-    | 01350-1:1996    | Protection against noise on board sea-going ships — General                                                                                              | PL     |

Table 3 (continued)

| CODE   | HEAD   | S_NUMBER     | TITLE OF STANDARD                                                                                                                              | NATION |
|--------|--------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 029090 | PN-W-  | 01350-2:1996 | Protection against noise on board sea-going ships — Sound level measurement                                                                    | PL     |
| 029090 | PN-W-  | 01350-4:1996 | Protection against noise on board sea-going ships — Admissible sound levels in cargo ships                                                     | PL     |
| 029090 | PN-W-  | 01350-5:1996 | Protection against noise on board sea-going ships — Admissible sound levels in passenger ships                                                 | PL     |
| 029090 | PN-W-  | 01350-6:1996 | Protection against noise on board sea-going ships — Guidelines for reduction                                                                   | PL     |
| 029090 | PN-W-  | 01350-7:1996 | Protection against noise on board sea-going ships — Ear protection                                                                             | PL     |
| 029090 | PN-W-  | 01350-8:1996 | Protection against noise on board sea-going ships — Sound insulation                                                                           | PL     |
| 030000 | ISO    | 14726-1:1999 | Ships and marine technology — Identification colours for the contents of piping systems — Part 1: Main colours and media                       | B      |
| 030010 | ASTM F | 1000         | Standard Practice for Piping System Drawing Symbols                                                                                            | US     |
| 030010 | ASTM F | 856          | Standard Practice for Mechanical Symbols, Shipboard Heating, Ventilation, and Air Conditioning (HVAC)                                          | US     |
| 030010 | GB     | 3032-89      | Marks for marine piping valves and fittings                                                                                                    | CN     |
| 030010 | GB     | 3033-82      | Paint colours for marine pipes and their identification symbols                                                                                | CN     |
| 030010 | GB     | 4299-84      | Symbols for ships' ventilation systems                                                                                                         | CN     |
| 030010 | GB     | 4791-84      | Graphical symbols of pipeline accessory systems in ships                                                                                       | CN     |
| 030010 | IS     | 3733:2000    | Conventional signs and symbols for ship's ventilation system                                                                                   | IN     |
| 030010 | IS     | 8215:1976    | Glossary of terms for ship's propellers                                                                                                        | IN     |
| 030010 | IS     | 9423:1980    | Identification colours for schemes for ships' ventilation systems                                                                              | IN     |
| 030010 | IS     | 9752:1981    | Conventional signs for the installation of ships' ventilation and pipeline systems                                                             | IN     |
| 030010 | JIS F  | 0014-79      | Glossary of terms for shipbuilding (Hull Part — Piping)                                                                                        | JP     |
| 030010 | JIS F  | 0021-87      | Glossary of terms for shipbuilding (Machinery — General)                                                                                       | JP     |
| 030010 | JIS F  | 0022-85      | Glossary of terms for shipbuilding (Machinery Part — Propulsion machinery, boilers, generator engines and prime mover for auxiliary machinery) | JP     |
| 030010 | JIS F  | 0023-85      | Glossary of terms for shipbuilding (Machinery part — Auxiliary machinery and equipment)                                                        | JP     |
| 030010 | JIS F  | 0024-93      | Shipbuilding — Machinery — Shafting, propeller and water jet propulsion system — Vocabulary                                                    | JP     |
| 030010 | JIS F  | 0025-87      | Glossary of terms for shipbuilding (Machinery — Instrumentation)                                                                               | JP     |
| 030010 | JIS F  | 0026-02      | Shipbuilding — Glossary of terms — Machinery fittings                                                                                          | JP     |
| 030010 | JIS F  | 0028-89      | Glossary of terms for shipbuilding (Machinery — Testing, working practice, miscellaneous)                                                      | JP     |
| 030010 | JIS F  | 0062-94      | Shipbuilding — Voice synthesizer — Equivalent terms                                                                                            | JP     |
| 030010 | JIS F  | 0401-99      | Shipbuilding — Terminology and definition of output of internal combustion propulsion engines                                                  | JP     |
| 030010 | KSV    | 0031         | Glossary of terms for shipbuilding (Machinery — General)                                                                                       | KR     |

Table 3 (continued)

| CODE   | HEAD   | S_NUMBER | TITLE OF STANDARD                                                                                                                             | NATION |
|--------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 030010 | KSV    | 0032     | Glossary of terms for shipbuilding (Machinery part: Propulsion machinery, boilers, generator engines and prime mover for auxiliary machinery) | KR     |
| 030010 | KSV    | 0033     | Glossary of terms for shipbuilding (machinery part — Auxiliary machinery and equipment)                                                       | KR     |
| 030010 | KSV    | 0035     | Glossary of terms for shipbuilding (Machinery — Instrumentation)                                                                              | KR     |
| 030010 | KSV    | 0036     | Glossary of terms for shipbuilding (Machinery — Fittings)                                                                                     | KR     |
| 030010 | KSV    | 0038     | Glossary of terms for shipbuilding (machinery part — Testing, working practice, miscellaneous)                                                | KR     |
| 030010 | KSV    | 0411     | Terminology and definition of output of propulsion machinery installed in ships                                                               | KR     |
| 030010 | KSVISO | 3715-2   | Ships and marine technology — Propulsion plants for ships — Part 2: Vocabulary for controllable-pitch propeller plants                        | KR     |
| 030090 | ASTM F | 683      | Standard Practice for Selection and Application of Thermal Insulation for Piping and Machinery                                                | US     |
| 030090 | ASTM F | 707/707M | Standard Specification for Modular Gage Boards                                                                                                | US     |
| 030090 | GOST   | 21792-89 | Ships diesel installations. Acceptance and methods of onboard trials                                                                          | UZ     |
| 030090 | GOST   | 22161-76 | Marine machines, mechanisms, steam boilers, vessels and apparatuses. Normes and rules for hydraulic and air testing                           | UZ     |
| 030090 | GOST   | 29281-92 | Ships' machinery and seatings. Coupling dimensions                                                                                            | UZ     |
| 030090 | JIS F  | 0061-84  | Abbreviations in English for marine equipment                                                                                                 | JP     |
| 030090 | KSV    | 0421     | Outline dimensions of marine engine control consoles                                                                                          | KR     |
| 030090 | KSV    | 0424     | Internal wirings and pipings of marine engine control consoles                                                                                | KR     |
| 031000 | ASTM F | 1155     | Standard Practice for Selection and Application of Piping System Materials                                                                    | US     |
| 031000 | DIN    | 85003-1  | Technical specifications for valves for shipboard use — Part 1: General                                                                       | DE     |
| 031000 | DIN    | 85003-2  | Technical specifications for valves for shipboard use — Part 2: Survey of possible requirements and methods of test                           | DE     |
| 031000 | DIN    | 85003-3  | Technical specifications for valves for shipboard use — Part 3: Butterfly valves                                                              | DE     |
| 031000 | DIN    | 85003-4  | Technical specifications for valves for shipboard use — Part 4: Stop valves                                                                   | DE     |
| 031000 | DIN    | 85003-5  | Technical specifications for valves for shipboard use — Part 5: Cut off type non return valves                                                | DE     |
| 031000 | DIN    | 85003-6  | Technical specifications for valves for shipboard use — Part 6: Hand operated gate valves                                                     | DE     |
| 031000 | DIN    | 85003-7  | Technical specifications for valves for shipboard use — Part 7: Diaphragm valves                                                              | DE     |
| 031000 | DIN    | 85003-8  | Technical specifications for valves for shipboard use — Part 8: Ball valves                                                                   | DE     |
| 031000 | DIN    | 85004-4  | Pipelines made of copper-nickel-alloys — Part 4: Technical specification for tubes                                                            | DE     |
| 031000 | DIN    | 85004-2  | Pipelines of copper-nickel-alloys — Part 2: Basic principles for design and fabrication, tests                                                | DE     |

Table 3 (continued)

| CODE   | HEAD       | S_NUMBER           | TITLE OF STANDARD                                                                                                                                                                                      | NATION |
|--------|------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 031000 | DIN        | 85004-9            | Pipelines of copper-nickel-alloys — Part 9: General principles for radiographic testing                                                                                                                | DE     |
| 031000 | DIN        | 86283-1            | Pipework on ships and marine structures — Drinking water supply — Part 1: Planning and design                                                                                                          | DE     |
| 031000 | DIN        | 86283-2            | Pipework on ships and marine structures — Drinking water supply — Part 2: Method of calculation                                                                                                        | DE     |
| 031000 | DIN        | 86283-2 Beiblatt 1 | Pipework on ships and marine structures — Drinking water supply — Part 2: Method of calculation, example for calculation                                                                               | DE     |
| 031000 | DIN EN ISO | 15748-1            | Ships and marine technology — Potable water supply on ships and marine structures — Part 1: Planning and design (ISO 15748-1:2002); — Part 2: Method of calculation German version EN ISO 15748-1:2002 | DE     |
| 031000 | DIN EN ISO | 15748-2            | Ships and marine technology — Potable water supply on ships and marine structure German version EN ISO 15748-2:2002                                                                                    | DE     |
| 031000 | DIN V      | 86002              | Ships and marine technology — Comparison of copper alloys in accordance with DIN and DIN EN standards for pipeline equipment                                                                           | DE     |
| 031000 | JIS F      | 0802-89            | Shop test code for marine AC electric overhead travelling cranes in engine rooms                                                                                                                       | JP     |
| 031000 | JIS F      | 7601-90            | Spare parts for ships' machinery                                                                                                                                                                       | JP     |
| 031010 | ASTM F     | 1007               | Standard Specification for Pipe-Line Expansion Joints of the Packed Slip Type for Marine Application                                                                                                   | US     |
| 031010 | ASTM F     | 1076               | Standard Practice for Expanded Welded and Silver Brazed Socket Joints for Pipe and Tube                                                                                                                | US     |
| 031010 | ASTM F     | 1120               | Standard Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications                                                                                                     | US     |
| 031010 | ASTM F     | 1121               | Standard Specification for International Shore Connections for Marine Fire Applications                                                                                                                | US     |
| 031010 | ASTM F     | 1122               | Standard Specification for Quick Disconnect Couplings                                                                                                                                                  | US     |
| 031010 | ASTM F     | 1123               | Standard Specification for Non-Metallic Expansion Joints                                                                                                                                               | US     |
| 031010 | ASTM F     | 1173               | Standard Specification for Thermosetting Resin Fiberglass Pipe and Fittings to be Used for Marine Applications                                                                                         | US     |
| 031010 | ASTM F     | 1298               | Standard Specification for Flexible, Expansion-Type Ball Joints for Marine Applications                                                                                                                | US     |
| 031010 | ASTM F     | 1311               | Standard Specification for Large-Diameter Fabricated Carbon Steel Flanges                                                                                                                              | US     |
| 031010 | ASTM F     | 1387               | Standard Specification for Performance of Mechanically Attached Fittings                                                                                                                               | US     |
| 031010 | ASTM F     | 1476               | Standard Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications                                                                                                 | US     |
| 031010 | ASTM F     | 1548               | Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications                                                                          | US     |
| 031010 | ASTM F     | 2014               | Standard Specification for Non-Reinforced Extruded Tee Connections for Piping Applications                                                                                                             | US     |
| 031010 | ASTM F     | 2015               | Standard Specification for Lap Joint Flange Pipe End Applications                                                                                                                                      | US     |
| 031010 | ASTM F     | 681                | Standard Practice for Use of Branch Connections                                                                                                                                                        | US     |
| 031010 | ASTM F     | 682                | Standard Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings                                                                                                                             | US     |

Table 3 (continued)

| CODE   | HEAD   | S_NUMBER | TITLE OF STANDARD                                                                                                                                                                       | NATION |
|--------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 031010 | ASTM F | 704      | Standard Practice for Selecting Bolting Lengths for Piping System Flanged Joints                                                                                                        | US     |
| 031010 | ASTM F | 708      | Standard Practice for Design and Installation of Rigid Pipe Hangers                                                                                                                     | US     |
| 031010 | ASTM F | 721      | Standard Specification for Gage Piping Assemblies                                                                                                                                       | US     |
| 031010 | ASTM F | 722      | Standard Specification for Welded Joints for Shipboard Piping Systems                                                                                                                   | US     |
| 031010 | ASTM F | 994      | Standard Specification for Design and Installation of Overboard Discharge Hull Penetration Connections                                                                                  | US     |
| 031010 | DIN    | 85387-1  | Ships and marine technology — Loose flanges and welding necks extra light duty — Part 1: Loose flanges DN 32 to DN 50, PN up to 25, DN 65 to DN 125, PN up to 10                        | DE     |
| 031010 | DIN    | 85387-2  | Ships and marine technology — Loose flanges and welding necks extra light duty — Part 2: Welding necks made of CuNi10Fe1,6Mn, DN 32 to DN 50, PN up to 25, DN 65 to DN 125, PN up to 10 | DE     |
| 031010 | DIN    | 85389    | Ships and marine technology — Flanges on castings extra light duty — DN 32 to DN 50, PN up to 25, DN 65 to DN 125, PN up to 10 — Principles of design                                   | DE     |
| 031010 | DIN    | 86001    | Pipelines on ships — Pressure ratings, tests                                                                                                                                            | DE     |
| 031010 | DIN    | 86012    | Pipelines of unplasticized polyvinyl chloride (PVC-U) on ships, with cold-welded joints; requirements, dimensions for bonding, summary of components                                    | DE     |
| 031010 | DIN    | 86013    | Pipes of unplasticized polyvinyl chloride (PVC-U) for pipelines on ships                                                                                                                | DE     |
| 031010 | DIN    | 86014    | Bulkhead fittings for pipes of unplasticized polyvinyl chloride (PVC-U)                                                                                                                 | DE     |
| 031010 | DIN    | 86015    | Application and installation of unplasticized polyvinyl chloride (PVC-U) pipework with cemented joints on ships                                                                         | DE     |
| 031010 | DIN    | 86016    | Pipe brackets of steel for ships pipelines of unplasticized polyvinyl chloride (PVC-U)                                                                                                  | DE     |
| 031010 | DIN    | 86018    | Welded tubes of copper-alloys                                                                                                                                                           | DE     |
| 031010 | DIN    | 86019    | Seamless tubes made of CuNi10Fe1,6Mn for pipes — Dimensions                                                                                                                             | DE     |
| 031010 | DIN    | 86021    | Cast flanges of copper alloys, nominal pressures 10 up to 25                                                                                                                            | DE     |
| 031010 | DIN    | 86028    | Welding necks of CuNi10Fe1,6Mn — Technical specifications                                                                                                                               | DE     |
| 031010 | DIN    | 86029    | Hubbed slip-on flanges for welding; nominal pressure 10                                                                                                                                 | DE     |
| 031010 | DIN    | 86030    | Hubbed slip-on flanges for welding; nominal pressure 16                                                                                                                                 | DE     |
| 031010 | DIN    | 86033    | Soldered flanges for tubes of copper and copper alloys, nominal pressure 10                                                                                                             | DE     |
| 031010 | DIN    | 86036    | Lapped flanges and brazing collar for tubes of copper and copper alloys; nominal pressure 10                                                                                            | DE     |
| 031010 | DIN    | 86037-1  | Loose flanges and welding necks for pipes of copper-nickel-alloys — Part 1: Assembly                                                                                                    | DE     |
| 031010 | DIN    | 86037-2  | Loose flanges and welding necks for pipes of copper-nickel-alloys — Part 2: Welding necks                                                                                               | DE     |
| 031010 | DIN    | 86037-3  | Loose flanges and welding necks for pipes of copper-nickel-alloys — Part 3: Loose flanges                                                                                               | DE     |

Table 3 (continued)

| CODE   | HEAD | S_NUMBER | TITLE OF STANDARD                                                                                                                                                   | NATION |
|--------|------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 031010 | DIN  | 86038-1  | Ships and marine technology — Loose flanges and lapped pipe ends extra light duty — Part 1: Lapped pipe ends DN 32 to DN 125                                        | DE     |
| 031010 | DIN  | 86038-2  | Ships and marine technology — Loose flanges and lapped pipe ends extra light duty — Part 2: Loose flanges DN 32 to DN 50, up to PN 25, DN 65 to DN 125, up to PN 10 | DE     |
| 031010 | DIN  | 86038-3  | Ships and marine technology — Loose flanges and lapped pipe ends extra light duty — Part 3: Lapped pipe ends for butt welding DN 32 to DN 125                       | DE     |
| 031010 | DIN  | 86039    | Ships and marine technology — Flat gaskets for flange connections extra light duty DN 32 to DN 50, up to PN 25, DN 65 to DN 125, up to PN 10                        | DE     |
| 031010 | DIN  | 86040    | Ships and marine technology — Welding flanges extra light duty                                                                                                      | DE     |
| 031010 | DIN  | 86041-1  | Welding Flanges — Part 1: Tanks and sea boxes, nominal pressure 10 and 16                                                                                           | DE     |
| 031010 | DIN  | 86041-2  | Welding flanges — Part 2: Outboard connections, nominal pressure 10, 16, 40                                                                                         | DE     |
| 031010 | DIN  | 86042    | Dummy Hole Plates (Spectacle Flanges); Mating Dimensions according to Nominal Pressure 10 and 16                                                                    | DE     |
| 031010 | DIN  | 86056    | Conduits pipes with sleeve nut and gasket for steel tubes and tubes of copper or copper alloys                                                                      | DE     |
| 031010 | DIN  | 86057    | Welding on flanges (collars) for bulkhead fittings for pipes                                                                                                        | DE     |
| 031010 | DIN  | 86059    | Flanged bulkhead pieces with fixing collar, for steel tubes, nominal pressure 10                                                                                    | DE     |
| 031010 | DIN  | 86061    | Connecting sockets with pipe flange, for steel tubes, nominal pressure 10                                                                                           | DE     |
| 031010 | DIN  | 86064    | Connecting sockets with pipe flange and fixing collar, for steel tubes, nominal pressure 10                                                                         | DE     |
| 031010 | DIN  | 86066    | Cast steel welding elbows for storm valves, nominal diameter 50 to 150, mating dimensions for flange according to nominal pressure 10                               | DE     |
| 031010 | DIN  | 86071    | Full face gaskets for flanges; nominal pressures 6, 10, 16, 25                                                                                                      | DE     |
| 031010 | DIN  | 86072    | Elastomer sealing sheets, seawater resistant, oil resistant; dimensions, requirements, testing                                                                      | DE     |
| 031010 | DIN  | 86086    | Fittings for butt welding into copper-nickel-alloy pipelines — Technical specifications                                                                             | DE     |
| 031010 | DIN  | 86087    | Fittings for butt welding into copper-nickel-alloy pipelines — Saddle type connections                                                                              | DE     |
| 031010 | DIN  | 86088    | Fittings for butt welding into wrought copper alloy pipelines — Tees                                                                                                | DE     |
| 031010 | DIN  | 86089    | Fittings for butt welding into copper-nickel-alloy pipelines — Concentric reducers                                                                                  | DE     |
| 031010 | DIN  | 86090    | Fittings for butt welding into copper-nickel-alloy pipelines — Elbows                                                                                               | DE     |
| 031010 | DIN  | 86100    | Tube fittings and screw plugs; summary of types for shipbuilding                                                                                                    | DE     |
| 031010 | DIN  | 86103    | Sockets for screwed ends with metric fine thread and Whitworth pipe thread                                                                                          | DE     |
| 031010 | DIN  | 86110    | Ship service tank piping systems; filling and pressure equalizing equipment; sounding pipes                                                                         | DE     |

Table 3 (continued)

| CODE   | HEAD | S_NUMBER | TITLE OF STANDARD                                                                                                               | NATION |
|--------|------|----------|---------------------------------------------------------------------------------------------------------------------------------|--------|
| 031010 | DIN  | 86111    | Welded-in deck screw caps for filling and sounding pipes                                                                        | DE     |
| 031010 | DIN  | 86120    | Sounding plugs                                                                                                                  | DE     |
| 031010 | DIN  | 86121    | Screw caps; pipe thread G1 to G6                                                                                                | DE     |
| 031010 | DIN  | 86125    | Pipelines for shipboard use — Pipes and pipeline equipment — Synopsis                                                           | DE     |
| 031010 | DIN  | 86126    | Compression fittings for shipboard use — 24° fittings with metric thread — Types and dimensions                                 | DE     |
| 031010 | DIN  | 86127    | Compression fittings for shipboard use — 24° fittings with metric thread — Technical specification                              | DE     |
| 031010 | DIN  | 86128-1  | Pipe couplings — Part 1: Technical specifications                                                                               | DE     |
| 031010 | DIN  | 86128-2  | Pipe couplings — Part 2: Dimensions                                                                                             | DE     |
| 031010 | DIN  | 86129    | Plug screws and flat sealing rings for welded-in screw caps for filling and sounding pipes                                      | DE     |
| 031010 | DIN  | 86150    | Welding sockets for pipes                                                                                                       | DE     |
| 031010 | DIN  | 86151    | Ship operation tank pipework — Terms, definitions, symbols                                                                      | DE     |
| 031010 | DIN  | 86161    | Bulkhead pieces leading through type A, divisions for pipes of unplasticized polyvinyl chloride (PVC-U)                         | DE     |
| 031010 | DIN  | 86200    | Fire extinguishing and wash deck installation; hose couplings, armatures, hoses, accessories; summary of types for shipbuilding | DE     |
| 031010 | DIN  | 86201    | Fittings for international shore connection of fire extinguishing installations on ships — Nominal pressure 16                  | DE     |
| 031010 | DIN  | 86202    | Delivery fire hose coupling type C, PN 16; made of brass, for use on ships                                                      | DE     |
| 031010 | DIN  | 86203    | Delivery fire hose coupling type B, PN 16; made of brass, for use on ships                                                      | DE     |
| 031010 | DIN  | 86204    | Solid fire hose coupling type C, PN 16; made of brass, for use on ships                                                         | DE     |
| 031010 | DIN  | 86205    | Solid fire hose coupling type B, PN 16; made of brass for use on ships                                                          | DE     |
| 031010 | DIN  | 86206    | Cap fire hose coupling type C, PN 16, made of brass for use on board ships                                                      | DE     |
| 031010 | DIN  | 86207    | Cap fire hose coupling type B, PN 16, made of brass for use on board ships                                                      | DE     |
| 031010 | DIN  | 86211    | Fire valves for PN 16, with fire hose couplings type C or B and with flange connection                                          | DE     |
| 031010 | DIN  | 86280-1  | Pipework on ships and marine structures — Drainage systems — Part 1: Sanitary drainage; system design                           | DE     |
| 031010 | DIN  | 86280-2  | Pipework on ships and marine structures — Drainage systems — Part 2: Sanitary drainage; drain piping in gravity system          | DE     |
| 031010 | DIN  | 86280-3  | Pipework on ships and marine structures — Drainage systems — Part 3: Sanitary drainage; drain piping for vacuum system          | DE     |
| 031010 | DIN  | 86280-4  | Pipework on ships and marine structures — Drainage systems — Part 4: Sanitary drainage; sewage disposal pipes                   | DE     |
| 031010 | DIN  | 86280-5  | Pipework on ships and marine structures — Drainage systems — Part 5: Drainage of decks, cargo holds and swimming pools          | DE     |

Table 3 (continued)

| CODE   | HEAD | S_NUMBER   | TITLE OF STANDARD                                                                                                | NATION |
|--------|------|------------|------------------------------------------------------------------------------------------------------------------|--------|
| 031010 | DIN  | 86286      | Sanitary furnishing on ships — Positioning of sanitary objects and fittings                                      | DE     |
| 031010 | DIN  | 86287      | Pipework on ships and marine structures — Steel pipes and fittings with spigot and socket — Laying and treatment | DE     |
| 031010 | DIN  | 86288      | Pipework on ships and marine structures; socketed steel pipes and fittings; fittings for use in shipbuilding     | DE     |
| 031010 | GB   | 2501-89    | Marine pipe flanges — Connection dimensions and mating face                                                      | CN     |
| 031010 | GB   | 2502-89    | Marine pipe flanges — Soft gasket                                                                                | CN     |
| 031010 | GB   | 2503-89    | Marine cast iron pipe flanges                                                                                    | CN     |
| 031010 | GB   | 2504-89    | Marine cast steel pipe flanges                                                                                   | CN     |
| 031010 | GB   | 2505-89    | Marine cast brass pipe flanges                                                                                   | CN     |
| 031010 | GB   | 2506-89    | Marine steel pipe flanges, fillet weld-on                                                                        | CN     |
| 031010 | GB   | 2507-89    | Marine brass pipe flanges, braze-on                                                                              | CN     |
| 031010 | GB   | 2508-89    | Marine combination pipe flanges, slip-on steel outer flanges, fillet weld-on steel inner flanges                 | CN     |
| 031010 | GB   | 4450-95    | Marine blank steel flanges                                                                                       | CN     |
| 031010 | GB   | 10745-89   | Marine pipe flanges — Types                                                                                      | CN     |
| 031010 | GB   | 10746-89   | Marine steel pipe flanges, butt weld-on                                                                          | CN     |
| 031010 | GB   | 10747-89   | Marine combination pipe flanges, slip-on steel outer flanges, butt weld-on steel inner flanges                   | CN     |
| 031010 | GB   | 10748-89   | Marine combination pipe flanges, slip-on steel outer flanges, braze-on brass inner flanges                       | CN     |
| 031010 | GB   | 10749-89   | Marine slip-on steel pipe flanges for expanded end copper pipes                                                  | CN     |
| 031010 | GB   | 10750-89   | Marine oval-shaped cast iron and cast steel pipe flanges                                                         | CN     |
| 031010 | GB   | 10751-89   | Marine oval-shaped steel pipe flanges, weld-on                                                                   | CN     |
| 031010 | GB   | 10752-95   | Marine steel butt-welding fittings                                                                               | CN     |
| 031010 | GB   | 11618-99   | Copper tube joints                                                                                               | CN     |
| 031010 | GB   | 11693-94   | One-side welded bed plate for flanges in marine pipelines                                                        | CN     |
| 031010 | GB   | 11694-94   | Double face welded bed plate for flanges in marine pipelines                                                     | CN     |
| 031010 | GB   | 12465-2002 | Piping sleeve expansion joints                                                                                   | CN     |
| 031010 | GB   | 14414-93   | Sleeving pipe joints                                                                                             | CN     |
| 031010 | GB   | 16694-96   | Shipbuilding — Identification colours for schemes for ventilation systems                                        | CN     |
| 031010 | GB   | 17727-99   | Marine non-asbestos gaskets for flanges                                                                          | CN     |
| 031010 | GB   | 568-65     | Marine pipe flanges — Types                                                                                      | CN     |
| 031010 | GB   | 569-65     | Marine pipe flanges — Connection dimensions and mating                                                           | CN     |
| 031010 | GOST | 1536-76    | Flanges for ships pipelines. Coupling dimensions and sealing surfaces                                            | UZ     |
| 031010 | GOST | 16037-80   | Welded joints of steel pipelines. Main types, design elements and dimensions                                     | UZ     |
| 031010 | GOST | 16038-80   | Arc welding joints in pipelines of copper and copper-nickel alloys. Main types, design elements and dimensions   | UZ     |

Table 3 (continued)

| CODE   | HEAD  | S_NUMBER       | TITLE OF STANDARD                                                                                                               | NATION |
|--------|-------|----------------|---------------------------------------------------------------------------------------------------------------------------------|--------|
| 031010 | GOST  | 23691-79       | Joints of tubes to tube-plates and heat-exchanger collectors. Pressing-in of tubes by pulse pressure                            | UZ     |
| 031010 | GOST  | 23692-79       | Joints of tubes to tube-plates and heat-exchanger collectors. Type technology of fixing tubes by means of high explosives blast | UZ     |
| 031010 | GOST  | 23693-79       | Joints of tubes to tube-plates and heat-exchanger collectors. Type technology of fixing tubes by means of conductor explosions  | UZ     |
| 031010 | GOST  | 24723-81       | Zinc-plated steel sea-water pipes. Reliability determination while designing                                                    | UZ     |
| 031010 | GOST  | 25756-83       | Bellows expansion joints and bellows seals. Terms and definitions                                                               | UZ     |
| 031010 | GOST  | 27036-86       | Bellows expansion joints and bellows seals. Specifications                                                                      | UZ     |
| 031010 | GOST  | 2822-78        | Threaded ends of marine valves and fittings. Main parameters, dimensions and technical requirements                             | UZ     |
| 031010 | GOST  | 5890-78        | Pipe connections with screwed ends. Specifications                                                                              | UZ     |
| 031010 | IS    | 14140:1994     | Shipbuilding — Ships' fuel oil piping systems — Code of practice                                                                | IN     |
| 031010 | IS    | 7304(Pt1):1978 | Code of fabrication, installation and testing of salt water piping system for shipboard use — Part 1: General requirements      | IN     |
| 031010 | IS    | 7304(Pt2):1978 | Code of fabrication, installation and testing of salt water piping system for shipboard use — Part 2: Non-ferrous systems       | IN     |
| 031010 | IS    | 7304(Pt3):1978 | Code of fabrication, installation and testing of salt water piping system for shipboard use — Part 3: Ferrous systems           | IN     |
| 031010 | ISO   | 538:1967       | Conventional signs to be used in the schemes for the installations of pipeline systems in ships                                 | B      |
| 031010 | JIS F | 0301-90        | Schemes of thermal insulation of piping for small ships                                                                         | JP     |
| 031010 | JIS F | 0506-96        | Shipbuilding — Application of copper pipes                                                                                      | JP     |
| 031010 | JIS F | 0507-92        | Small ships — Steel pipes — Application                                                                                         | JP     |
| 031010 | JIS F | 3009-96        | Shipbuilding — 5K and 10K deck and bulkhead pieces for pipe connection                                                          | JP     |
| 031010 | JIS F | 3015-77        | Gratings of ships' scupper pipes                                                                                                | JP     |
| 031010 | JIS F | 3021-68        | Ships' steel pipe bands                                                                                                         | JP     |
| 031010 | JIS F | 3022-78        | Ships' steel pipe U-bolts                                                                                                       | JP     |
| 031010 | JIS F | 3027-72        | Ships' deck and bulkhead pieces for small size copper tubes                                                                     | JP     |
| 031010 | JIS F | 7005-92        | Identification of piping system on board ships                                                                                  | JP     |
| 031010 | JIS F | 7006-93        | Shipbuilding — Piping systems — Graphical symbols                                                                               | JP     |
| 031010 | JIS F | 7008-96        | Standard specification of thermal insulation for cocks piping                                                                   | JP     |
| 031010 | JIS F | 7101-93        | Pipes of ship's machinery — Standard velocity of flow                                                                           | JP     |
| 031010 | JIS F | 7102-97        | Shipbuilding — Piping system in machinery space — Application for gaskets and packings                                          | JP     |
| 031010 | KSV   | 0516           | Application of copper pipes for marine use                                                                                      | KR     |
| 031010 | KSV   | 0517           | Small ships — Steel pipes — application                                                                                         | KR     |
| 031010 | KSV   | 3026           | Ships' cast iron pipe sleeve type expansion joints                                                                              | KR     |
| 031010 | KSV   | 3027           | Ships' cast steel pipe sleeve type expansion joints                                                                             | KR     |
| 031010 | KSV   | 3983           | Discharge pipes for dredgers                                                                                                    | KR     |

Table 3 (continued)

| CODE   | HEAD     | S_NUMBER    | TITLE OF STANDARD                                                                                               | NATION |
|--------|----------|-------------|-----------------------------------------------------------------------------------------------------------------|--------|
| 031010 | KSV      | 3984        | Floaters of discharge pipes for dredgers                                                                        | KR     |
| 031010 | KSV      | 3985        | Shipbuilding — Welding sleeve type joints for steel pipe                                                        | KR     |
| 031010 | KSV      | 7015        | Identification of piping systems for marine use                                                                 | KR     |
| 031010 | KSV      | 7016        | Shipbuilding — Piping systems — Graphic symbols                                                                 | KR     |
| 031010 | KSV      | 7111        | Pipes of ships' machinery — Standard velocity of flow                                                           | KR     |
| 031010 | KSV      | 7226        | Marine self closing valves for oil level gauges                                                                 | KR     |
| 031010 | KSV      | 7445        | Marine brass 30K unions with bite joint(s)                                                                      | KR     |
| 031010 | KSV      | 7446        | Marine 10K brazed unions for copper tube                                                                        | KR     |
| 031010 | KSV      | 7447        | Marine 10 kgf/cm <sup>2</sup> screwed unions for copper tube                                                    | KR     |
| 031010 | KSV      | 7448        | Steel pipe 10K welding type unions for marine use                                                               | KR     |
| 031010 | KSV      | 7449        | Marine 10K screwed unions for steel pipe                                                                        | KR     |
| 031010 | KSV      | 7450        | Marine 20K brazed unions for copper pipe                                                                        | KR     |
| 031010 | KSV      | 7451        | Copper pipe 20K screwed unions for marine use                                                                   | KR     |
| 031010 | KSV      | 7452        | Steel pipe 40K welded unions for marine use                                                                     | KR     |
| 031010 | KSV      | 7453        | Marine 40 kgf/cm <sup>2</sup> screwed unions for steel pipe                                                     | KR     |
| 031010 | KSV      | 7454        | Marine 100 kgf/cm <sup>2</sup> welded unions for steel pipe                                                     | KR     |
| 031010 | KSV      | 7455        | Marine 100K screwed unions for steel pipe                                                                       | KR     |
| 031010 | KSV      | 7461        | Bevel gears for marine use                                                                                      | KR     |
| 031010 | KSVISO   | 5620-1      | Shipbuilding and marine structures — Filling connection for drinking water tanks — Part 1: General requirements | KR     |
| 031010 | KSVISO   | 5620-2      | Shipbuilding and marine structures — Filling connection for drinking water tanks — Part 2: Components           | KR     |
| 031010 | PN-88/W  | 74008       | Ship pipe fittings — Bilge mud boxes — Basic requirements                                                       | PL     |
| 031010 | PN-92/W- | 74054       | Pipe flanges and connecting details for sanitary water drain installations of water vessels                     | PL     |
| 031010 | PN-92/W- | 74055       | Pipe flanges and connecting details for bilge water installations of water vessels                              | PL     |
| 031010 | PN-ISO   | 5620-1:1996 | Shipbuilding and marine structures — Filling connection for drinking water tanks — Part 1: General requirements | PL     |
| 031010 | PN-ISO   | 5620-2:1996 | Shipbuilding and marine structures — Filling connections for drinking water tanks — Part 2: Components          | PL     |
| 031010 | PN-W-    | 74011:1996  | Ship pipe fittings — Sight-flow indicators for ships with nominal pressure up to 0,63 MPa                       | PL     |
| 031010 | PN-W-    | 74017:1998  | Ship pipe fittings — Requirements and tests                                                                     | PL     |
| 031010 | PN-W-    | 74018:1996  | International shore connections                                                                                 | PL     |
| 031020 | ASTM F   | 1510        | Standard Specification for Rotary Positive Displacement Pumps, Commercial Ships Use                             | US     |
| 031020 | ASTM F   | 1511        | Standard Specification for Mechanical Seals for Shipboard Pump Applications                                     | US     |
| 031020 | ASTM F   | 1718        | Standard Specification for Rotary Positive Displacement Fuel Pumps                                              | US     |

Table 3 (continued)

| CODE   | HEAD   | S_NUMBER  | TITLE OF STANDARD                                                                                                        | NATION |
|--------|--------|-----------|--------------------------------------------------------------------------------------------------------------------------|--------|
| 031020 | ASTM F | 998       | Standard Specification for Centrifugal Pumps, Shipboard Use                                                              | US     |
| 031020 | GB     | 8413-96   | Marine self-priming centrifugal oil pump of CZY Types                                                                    | CN     |
| 031020 | GB     | 10831-89  | Marine electric eccentric screw pump                                                                                     | CN     |
| 031020 | GB     | 10832-89  | Centrifugal and vortex pumps for marine use — General technical specifications                                           | CN     |
| 031020 | GB     | 11034-89  | Marine electric reciprocating pump                                                                                       | CN     |
| 031020 | GB     | 11035-89  | Marine electric two spindle screw pump                                                                                   | CN     |
| 031020 | GB     | 11705-89  | Testing methods for marine electric three-spindle screw pump                                                             | CN     |
| 031020 | IS     | 9464:1980 | Horizontal centrifugal pumps for marine use                                                                              | IN     |
| 031020 | JIS F  | 6721-95   | Shop test method for oil pressure pumps at hydraulic steering gears for ships                                            | JP     |
| 031020 | KSV    | 3211      | Ships' hand piston pumps                                                                                                 | KR     |
| 031020 | KSV    | 3213      | Bilge pump for marine use                                                                                                | KR     |
| 031020 | KSV    | 7243      | Marine steel plate cylindrical cargo oil strainers                                                                       | KR     |
| 031020 | KSV    | 7250      | Fuel oil transfer pump for marine use                                                                                    | KR     |
| 031020 | KSV    | 7251      | Lubricating oil pump for marine use                                                                                      | KR     |
| 031030 | ASTM F | 1020      | Standard Specification for Line-Blind Valves for Marine Applications                                                     | US     |
| 031030 | ASTM F | 1030      | Standard Practice for Selection of Valve Operators                                                                       | US     |
| 031030 | ASTM F | 1098      | Standard Specification for Envelope Dimensions for Butterfly Valves-NPS 2 to 24                                          | US     |
| 031030 | ASTM F | 1245      | Standard Specification for Faucets, Single and Double, Compression and Self-Closing Type, Shipboard                      | US     |
| 031030 | ASTM F | 1271      | Standard Specification for Spill Valves for Use in Marine Tank Liquid Overpressure Protections Applications              | US     |
| 031030 | ASTM F | 1370      | Standard Specification for Pressure-Reducing Valves for Water Systems, Shipboard                                         | US     |
| 031030 | ASTM F | 1508      | Standard Specification for Angle Style, Pressure Relief Valves for Steam, Gas and Liquid Services                        | US     |
| 031030 | ASTM F | 1565      | Standard Specification for Pressure-Reducing Valves for Steam Services                                                   | US     |
| 031030 | ASTM F | 1792      | Standard Specification for Special Requirements for Valves Used in Gaseous Oxygen Service                                | US     |
| 031030 | ASTM F | 1793      | Standard Specification for Automatic Shut-Off Valves (Also Known as Excess Flow Valves, EFV) for Air or Nitrogen Service | US     |
| 031030 | ASTM F | 1794      | Standard Specification for Hand-Operated, Globe-Style Valves for Gas (Except Oxygen Gas), and Hydraulic Systems          | US     |
| 031030 | ASTM F | 1795      | Standard Specification for Pressure-Reducing Valves for Air or Nitrogen Systems                                          | US     |
| 031030 | ASTM F | 1985      | Standard Specification for Pneumatic-Operated, Globe-Style, Control Valves                                               | US     |
| 031030 | ASTM F | 885       | Standard Specification for Envelope Dimensions for Bronze Globe Valves NPS 1/4 to 2                                      | US     |
| 031030 | ASTM F | 992       | Standard Specification for Valve Label Plates                                                                            | US     |

Table 3 (continued)

| CODE   | HEAD   | S_NUMBER | TITLE OF STANDARD                                                                                                                                                                            | NATION |
|--------|--------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 031030 | ASTM F | 993      | Standard Specification for Valve Locking Devices                                                                                                                                             | US     |
| 031030 | DIN    | 86251    | Shut off valves for shipboard use, of cast iron, with flanges, DN 15 to 500                                                                                                                  | DE     |
| 031030 | DIN    | 86252    | Non return valves for shipboard use, cut off type, of cast iron, with flanges, DN 15 to 500                                                                                                  | DE     |
| 031030 | DIN    | 86254    | Ships and marine technology — Shut off valves extra light duty DN 32 to DN 125, PN 10                                                                                                        | DE     |
| 031030 | DIN    | 86257    | Ships and marine technology — Non return valves cut off type extra light duty DN 32 to DN 125, PN 10                                                                                         | DE     |
| 031030 | DIN    | 86258    | Ships and marine technology — Non return valves non shut off type extra light duty DN 32 to DN 125, PN 10                                                                                    | DE     |
| 031030 | DIN    | 86259    | Ships and marine technology — Flanged gate valves extra light duty DN 32 to DN 125, PN 10                                                                                                    | DE     |
| 031030 | DIN    | 86260    | Shut off valves for shipboard use, of gun metal, with flanges, DN 15 to 500                                                                                                                  | DE     |
| 031030 | DIN    | 86261    | Non return valves for shipboard use, cut off type, of gun metal, with flanges, DN 15 to 500                                                                                                  | DE     |
| 031030 | DIN    | 86263    | Straight way valves for shipboard use — Y-patten, soft sealing, with socket connection — DN 15 to DN 50, PN 16                                                                               | DE     |
| 031030 | DIN    | 86264    | Straight way valves for shipboard use — Y-patten, soft sealing, short type with flanges — DN 15 to DN 200                                                                                    | DE     |
| 031030 | DIN    | 86265    | Straight way valves for shipboard use — Y-patten, soft sealing, normal type, with flanges — DN 15 to DN 200                                                                                  | DE     |
| 031030 | DIN    | 86341    | Ships and marine technology — Loose flanges and welding necks extra light duty — Welding necks made from steel and stainless steel DN 32 to DN 50, up to PN 25, DN 65 to DN 125, up to PN 10 | DE     |
| 031030 | DIN    | 86500    | Valves and Gate Valves with Screwed Connections; Survey of Types for Shipbuilding                                                                                                            | DE     |
| 031030 | DIN    | 86501    | Valves, screwed bonnet type of gun metal for 24°-connection with port end W according to DIN 3861                                                                                            | DE     |
| 031030 | DIN    | 86528    | Tab washers for screwed bonnet valves                                                                                                                                                        | DE     |
| 031030 | DIN    | 86552    | Valves, screwed bonnet type of steel for 24°-connection with port end W according to DIN 3861                                                                                                | DE     |
| 031030 | DIN    | 86720    | Bronze Wedge-type Flat-sided Gate Valves, with Screwed Bonnet and Flanges, ND 16, NW 20 to 200                                                                                               | DE     |
| 031030 | DIN    | 87101    | Non-return flaps (storm valves), self-closing, vertical type, nominal diameter 50 up to 150, nominal pressure 1; mating dimensions for flanges according to nominal pressure 10              | DE     |
| 031030 | DIN    | 87102    | Casings for Non-return Flaps in accordance with DIN 87101                                                                                                                                    | DE     |
| 031030 | DIN    | 87103    | Covers for Non-return Flaps in accordance with DIN 87101                                                                                                                                     | DE     |
| 031030 | DIN    | 87104    | Flap Inserts for Non-return Flaps in accordance with DIN 87101                                                                                                                               | DE     |
| 031030 | DIN    | 87105    | Screw Plugs with Cylindrical Extension for Non-return Flaps in accordance with DIN 87101                                                                                                     | DE     |
| 031030 | DIN    | 87106    | Locking Devices for Non-return Flaps in accordance with DIN 87101                                                                                                                            | DE     |
| 031030 | DIN    | 87107    | Gaskets for Non-return Flaps in accordance with DIN 87101                                                                                                                                    | DE     |

Table 3 (continued)

| CODE   | HEAD | S_NUMBER | TITLE OF STANDARD                                                                                                                                                                       | NATION |
|--------|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 031030 | DIN  | 87151-1  | Filters; grey cast-iron coarse filters, rated width 40 up to 200, rated pressure 2.5, with flange fitting dimensions according to rated pressure 10, compilation and fitting dimensions | DE     |
| 031030 | DIN  | 87151-2  | Filters; grey cast-iron coarse filters, rated width 40 up to 200, rated pressure 2.5, with flange fitting dimensions according to rated pressure 10, inventories                        | DE     |
| 031030 | DIN  | 87152-1  | Grey cast-iron coarse filters; enclosures, passage form                                                                                                                                 | DE     |
| 031030 | DIN  | 87152-2  | Grey cast-iron coarse filters; enclosures, corner form                                                                                                                                  | DE     |
| 031030 | DIN  | 87153    | Grey cast-iron coarse filters; lids                                                                                                                                                     | DE     |
| 031030 | DIN  | 87154    | Grey cast-iron coarse filters; strainer baskets                                                                                                                                         | DE     |
| 031030 | DIN  | 87155    | Grey cast-iron coarse filters; sealing rings                                                                                                                                            | DE     |
| 031030 | DIN  | 87160-1  | Metal strainers, DN 20 to 200; assembly                                                                                                                                                 | DE     |
| 031030 | DIN  | 87160-2  | Metal strainers, DN 20 to 200; components                                                                                                                                               | DE     |
| 031030 | DIN  | 87223    | Scupper with water trap, non shut-off type                                                                                                                                              | DE     |
| 031030 | DIN  | 87224    | Scupper with water trap, shut-off type                                                                                                                                                  | DE     |
| 031030 | DIN  | 87225    | Scuppers for free decks                                                                                                                                                                 | DE     |
| 031030 | DIN  | 87226    | Scupper — Side cuppers for free decks                                                                                                                                                   | DE     |
| 031030 | DIN  | 87303    | Squares with tapered and parallel sides for valves for shipboard use                                                                                                                    | DE     |
| 031030 | DIN  | 87308    | Operating devices for valves for shipboard use — Crank handles with square hole with tapered sides                                                                                      | DE     |
| 031030 | DIN  | 87310    | Multi-purpose keys with inner square and flat ends                                                                                                                                      | DE     |
| 031030 | DIN  | 87311    | Handwheel wrenches                                                                                                                                                                      | DE     |
| 031030 | DIN  | 87312    | Flat-ended keys for deck screw caps for filling and sounding pipes                                                                                                                      | DE     |
| 031030 | DIN  | 87314    | Male square wrenches for drain screws                                                                                                                                                   | DE     |
| 031030 | DIN  | 87340    | Remote control gear with transmission tubing for manual operating; nominal sizes, survey of component parts                                                                             | DE     |
| 031030 | DIN  | 87341    | Remote control gear with transmission tubing for manual operation; installation                                                                                                         | DE     |
| 031030 | DIN  | 87343    | Remote control gear with transmission tubing for manual operation; fork links for welding-in connection                                                                                 | DE     |
| 031030 | DIN  | 87344    | Remote control gear with transmission tubing for manual operation; fork links with square hole for setting-up connection                                                                | DE     |
| 031030 | DIN  | 87346    | Remote control gear with transmission tubing for manual operation; bearings                                                                                                             | DE     |
| 031030 | DIN  | 87349    | Remote control gear with transmission tubing for manual operation; bevel gear units                                                                                                     | DE     |
| 031030 | DIN  | 87350    | Remote control gear with transmission tubing for manual operation; crown gear units, slewable                                                                                           | DE     |
| 031030 | DIN  | 87351    | Remote control gear with transmission tubing for manual operation; lengthenings for spindles of armatures                                                                               | DE     |
| 031030 | DIN  | 87352    | Remote control gear with transmission tubing for manual operation; protecting hoods for crown gear units, slewable                                                                      | DE     |

Table 3 (continued)

| CODE   | HEAD | S_NUMBER | TITLE OF STANDARD                                                                                                                        | NATION |
|--------|------|----------|------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 031030 | DIN  | 87371    | Remote control gear with transmission tubing for manual operation; holder for transmission tubing                                        | DE     |
| 031030 | DIN  | 87373    | Remote control gear with transmission tubing for manual operation; leading-through bearings, watertight                                  | DE     |
| 031030 | DIN  | 87374    | Remote control gear with transmission tubing for manual operation; deck operating devices, welding-in type                               | DE     |
| 031030 | DIN  | 87375    | Remote control gear with transmission tubing for manual operation; deck operating devices with slewable crown gear unit, welding-in type | DE     |
| 031030 | DIN  | 87378    | Remote control gear with transmission tubing for manual operation; symbols for schematic drawings                                        | DE     |
| 031030 | DIN  | 87379    | Remote control gear with transmission tubing for manual operation; technical delivery specifications, details for construction           | DE     |
| 031030 | DIN  | 87380    | Remote control gear with transmission tubing for manual operation; fork links for uncoupling with square hole for setting-up connection  | DE     |
| 031030 | DIN  | 87381    | Remote control gear with transmission tubing for manual operation; lengthenings for spindles of armatures with straight square           | DE     |
| 031030 | DIN  | 87382    | Remote control gear with transmission tubing for manual operation; leading-trough bearings with crown gear units slewable, watertight    | DE     |
| 031030 | DIN  | 87383    | Remote control gear with transmission tubing for manual operation; intermediate operation device                                         | DE     |
| 031030 | DIN  | 87384    | Remote control gear with transmission tubing for manual operation; operating devices, hinged with indicator                              | DE     |
| 031030 | DIN  | 87721-1  | Drain screws — Part 1: Assembly, installation                                                                                            | DE     |
| 031030 | DIN  | 87721-2  | Drain screws — Part 2: Screws, welding plates                                                                                            | DE     |
| 031030 | DIN  | 87901    | Sniffle valves for pumps, size R3/8 to R3/4 16, up to 100 °C                                                                             | DE     |
| 031030 | GB   | 584-99   | Marine cast steel flanged stop valves                                                                                                    | CN     |
| 031030 | GB   | 585-99   | Marine cast steel flanged stop check valves                                                                                              | CN     |
| 031030 | GB   | 586-99   | Marine cast steel flanged check valves                                                                                                   | CN     |
| 031030 | GB   | 587-93   | Marine bronze flanged stop valves                                                                                                        | CN     |
| 031030 | GB   | 588-93   | Marine bronze flanged stop check valves                                                                                                  | CN     |
| 031030 | GB   | 589-93   | Marine bronze flanged check valves                                                                                                       | CN     |
| 031030 | GB   | 590-93   | Marine cast iron flanged stop valves                                                                                                     | CN     |
| 031030 | GB   | 591-93   | Marine cast iron flanged stop check valves                                                                                               | CN     |
| 031030 | GB   | 592-93   | Marine cast iron flanged check valves                                                                                                    | CN     |
| 031030 | GB   | 593-93   | Marine bronze and cast iron flanged gasket cocks                                                                                         | CN     |
| 031030 | GB   | 594-83   | Marine forged steel male thread stop valves                                                                                              | CN     |
| 031030 | GB   | 595-83   | Marine bronze male thread stop valves                                                                                                    | CN     |
| 031030 | GB   | 596-83   | Marine bronze male thread stop and check valves                                                                                          | CN     |
| 031030 | GB   | 597-83   | Marine bronze male thread lift check valves                                                                                              | CN     |

Table 3 (continued)

| CODE   | HEAD  | S_NUMBER   | TITLE OF STANDARD                                                                                | NATION |
|--------|-------|------------|--------------------------------------------------------------------------------------------------|--------|
| 031030 | GB    | 598-80     | Marine bronze male thread gasket cocks                                                           | CN     |
| 031030 | GB    | 599-96     | Marine bronze male thread draining gasket cocks                                                  | CN     |
| 031030 | GB    | 600-91     | General specifications for marine piping valves and fittings                                     | CN     |
| 031030 | GB    | 1241-83    | Marine forged steel male thread stop and check valves                                            | CN     |
| 031030 | GB    | 1850-84    | Marine male threaded weight quick-closing valves                                                 | CN     |
| 031030 | GB    | 1852-93    | Marine cast steel flanged steam pressure-reducing valves                                         | CN     |
| 031030 | GB    | 1853-94    | Marine flanged cast steel over board stop valves                                                 | CN     |
| 031030 | GB    | 1854-93    | Marine cast iron flanged one-row suction stop valve boxes                                        | CN     |
| 031030 | GB    | 1855-93    | Marine cast iron flanged one-row suction stop check valve boxes                                  | CN     |
| 031030 | GB    | 1856-93    | Marine cast iron flanged one-row discharge stop valve boxes                                      | CN     |
| 031030 | GB    | 1951-84    | Marine low pressure bronze male threaded stop valves                                             | CN     |
| 031030 | GB    | 1953-84    | Marine low pressure bronze male threaded stop check valves                                       | CN     |
| 031030 | GB    | 2029-80    | Cast steel suction sea valves                                                                    | CN     |
| 031030 | GB    | 2030-80    | Bronze suction sea valves                                                                        | CN     |
| 031030 | GB    | 2499-93    | Marine cast iron flanged double-row stop valve boxes                                             | CN     |
| 031030 | GB    | 3009-82    | Ships' corrosion-resistant plugs                                                                 | CN     |
| 031030 | GB    | 3036-94    | Marine centre-pivoted butterfly valves                                                           | CN     |
| 031030 | GB    | 3037-94    | Marine duo-eccentric-pivoted butterfly valves                                                    | CN     |
| 031030 | GB    | 5744-93    | Pneumatic quick shutting valves for marine use                                                   | CN     |
| 031030 | GB    | 11691-89   | Cast steel and bronze suction sea valves                                                         | CN     |
| 031030 | GB    | 11692-89   | Bronze suction sea valves                                                                        | CN     |
| 031030 | GB    | 11696-96   | Marine cast steel erect check valves                                                             | CN     |
| 031030 | GB    | 11698-89   | Metal valves for use in marine flanged pipe systems — Face-to-face and centre-to-face dimensions | CN     |
| 031030 | GB    | 1952-80    | Low pressure bronze male screw-threaded check valves for marine use                              | CN     |
| 031030 | GOST  | 25075-81   | Marine piping systems. Manually operated valves. Nominal pressures and diameters                 | UZ     |
| 031030 | GOST  | 4433-76    | Flanges for ships' valves, connecting pieces and pipelines. Types                                | UZ     |
| 031030 | IS    | 10924:1994 | Guidelines for selection of marine valves and cocks                                              | IN     |
| 031030 | IS    | 11323:1984 | Steel gate valves for use in marine pipe work system                                             | IN     |
| 031030 | IS    | 11335:1995 | Cast iron gate valves for use in marine pipe work system                                         | IN     |
| 031030 | ISO   | 15364:2000 | Ships and marine technology — Pressure/vacuum values for cargo tanks                             | B      |
| 031030 | JIS F | 0504-89    | Application and setting pressure of relief valves for ships' machinery                           | JP     |
| 031030 | JIS F | 3024-96    | Shipbuilding — Deck stands for controlling valves                                                | JP     |
| 031030 | JIS F | 3056-95    | Ships' foot valves                                                                               | JP     |
| 031030 | JIS F | 3057-96    | Bronze vertical storm valves                                                                     | JP     |
| 031030 | JIS F | 3058-96    | Cast steel vertical storm valves                                                                 | JP     |