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SUMINISTROS INDUSTRIALES Y NAVALES

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让您航行的海洋风平浪静
LET THE SEA YOU SAIL CALM





公寓楼
APARTMENT
BUILDING



生产车间
WORKSHOP



会议办公
CONFERENCE
OFFICE



样品展示
SAMPLE
DISPLAY ROOM

争创一流企业、追求卓越品牌、发展成为全球航运
与舰船领域提供海事装备的优质供应商

Striving for first-class enterprise, chasing excellent brand,
and developing to a superior marine equipment supplier in the
world's shipping and warship area.



质量就是生命 人品决定产品 让客户更加满意
QUALITY IS LIFE, PERSONALITY DECIDES PRODUCT, MAKE
CLIENTS MORE SATISFIED







公司文化标语

THE SLOGAN OF CORPORATE CULTURE

公司愿景

争创一流企业、追求卓越品牌、发展成为全球航运与舰船领域提供海事装备的优质供应商

公司使命

为社会创造财富
为职工谋求福利
为客户创造价值
为保护绿色海洋贡献力量

公司精神

敬业、拼搏、求实、创新

质量方针

质量就是生命 人品决定产品 让客户更加满意

销售口号

老市场寸土不让，新市场寸土必争
道尽千言万语，航行五湖四海
踏遍天涯海角，吃尽千辛万苦

广告语

海纳百川，星星相伴
一切为了舰船

Corporate Vision

Striving for first-class enterprise, chasing excellent brand, and developing to a superior marine equipment supplier in the worlds shipping and warship area.

Corporate mission

Creating wealth for society
Seeking benefits for employees
Creating value for clients
Make contribution for protecting green ocean.

Corporate Spirit

Dedication, Struggle, Realistic, Creative

Quality Policy

Quality is life, Personality decides product, Make clients more satisfied

Sales Slogan

The old market never to yield an inch of ground, the emerging market fight for every inch of ground.
Speak out thousands of words, sail all corners of the country.
Travel around the world , go through untold hardships

Advertising Slogan

All rivers run into sea, accompany with star.
All for warship.



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船用救生系列
MARINE LIFE-SAVING SERIES



HXY-A1船用救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC/ZY

国际编码: 33 01 31

面料材质: 涤纶

产品浮力: EPE泡沫

产品浮力: $\geq 150\text{N}$

适合身高: $> 155\text{cm}$

适合体重: $> 43\text{kg}$

HXY-A1 LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC/ZY

Impa code: 33 01 31

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 150\text{N}$

Fit for height: $> 155\text{cm}$

Fit for weight: $> 43\text{kg}$



HXY-A2船用救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC/ZY

国际编码: 33 01 31

面料材质: 涤纶

产品浮力: EPE泡沫

产品浮力: $\geq 150\text{N}$

适合身高: $> 155\text{cm}$

适合体重: $> 43\text{kg}$

HXY-A2 LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC/ZY

Impa code: 33 01 31

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 150\text{N}$

Fit for height: $> 155\text{cm}$

Fit for weight: $> 43\text{kg}$



救生衣系列 LIFE JACKET SERIES



HXY-A3船用救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC/ZY

国际编码: 33 01 31

面料材质: 涤纶

产品浮材: EPE泡沫

产品浮力: $\geq 150\text{N}$

适合身高: $> 155\text{cm}$

适合体重: $> 43\text{kg}$

HXY-A3 LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC/ZY

Impa code: 33 01 31

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 150\text{N}$

Fit for height: $> 155\text{cm}$

Fit for weight: $> 43\text{kg}$



HXY-A5船用救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC/ZY

国际编码: 33 01 31

面料材质: 涤纶

产品浮材: EPE泡沫

产品浮力: $\geq 150\text{N}$

适合身高: $> 155\text{cm}$

适合体重: $> 43\text{kg}$

HXY-A5 LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC/ZY

Impa code: 33 01 31

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 150\text{N}$

Fit for height: $> 155\text{cm}$

Fit for weight: $> 43\text{kg}$



HXY-A6船用救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC/ZY

国际编码: 33 01 31

面料材质: 涤纶

产品浮材: EPE泡沫

产品浮力: $\geq 150\text{N}$

适合身高: $> 155\text{cm}$

适合体重: $> 43\text{kg}$

HXY-A6 LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC/ZY

Impa code: 33 01 31

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 150\text{N}$

Fit for height: $> 155\text{cm}$

Fit for weight: $> 43\text{kg}$

救生衣系列 LIFE JACKET SERIES



HXY-A7 气胀式成人救生衣

符合标准: SOLAS 1974/96 及其最新修正案

产品认证: CCS/EC

形式: 双气室

充气时间: $\leq 5s$

使用环境温度: $-30^{\circ}C \sim +65^{\circ}C$

CO₂ 气瓶重量: 2*33g

产品浮力: $\geq 150N$

适用范围: 适用于体重达140KG, 胸围1750mm的人员穿着

HXY-A7 INFLATABLE LIFEJACKET (ADULT)

Standards compliant: SOLAS 1974 as amendment

Product Certification: CCS/EC

Type: Two independent compartments

Inflation time: $\leq 5s$

Usage environment temperature: $-30^{\circ}C \sim +65^{\circ}C$

CO₂ cylinders weight: 2*33g

Product floating: $\geq 150N$

Applicable scope: Fit persons weighing up to 140KG and with a chest girth of up to 1750mm



HXY-A9 气胀式成人救生衣

符合标准: SC/T 8149-2015 《渔业船舶用气胀式工作救生衣》

产品认证: CCS/EC

形式: 单气室

充气时间: $\leq 5s$

使用环境温度: $-30^{\circ}C \sim +65^{\circ}C$

CO₂ 气瓶重量: 33g

产品浮力: $\geq 150N$

适用范围: 适用于体重达140KG, 胸围1750mm的人员穿着

HXY-A9 INFLATABLE LIFEJACKET (ADULT)

Standards compliant: SC/T 8149-2015 《inflatable working lifejacket for fishing vessels》

Product Certification: ZY

Type: One independent compartments

Inflation time: $\leq 5s$

Usage environment temperature: $-30^{\circ}C \sim +65^{\circ}C$

CO₂ cylinders weight: 33g

Product floating: $\geq 150N$

Applicable scope: Fit persons weighing up to 140KG and with a chest girth of up to 1750mm



HXY-C1 儿童救生衣

符合标准: SOLAS 1974/96 及其修正案

产品认证: CCS/EC

国际编码: 330132

面料材质: 涤纶

产品浮材: EPE 泡沫

产品浮力: $\geq 100N$

适合身高: 100cm~155cm

适合体重: 15kg~43kg

HXY-C1 CHILDREN'S LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC

Impa code: 33 01 32

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 100N$

Fit for height: 100cm~155cm

Fit for weight: 15kg~43kg

救生衣系列 LIFE JACKET SERIES



HXY-C2儿童救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC

国际编码: 330132

面料材质: 涤纶

产品浮力: EPE泡沫

产品浮力: $\geq 100\text{N}$

适合身高: 100cm~155cm

适合体重: 15kg~43kg

HXY-C2 CHILDREN'S LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC

Impa code: 33 01 32

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 100\text{N}$

Fit for height: 100cm~155cm

Fit for weight: 15kg~43kg



HXY-C3气胀式儿童救生衣

符合标准: SOLAS 1974及其最新修正案

形式: 双气室

充气时间: $\leq 5\text{s}$

使用环境温度: -30°C ~ $+65^{\circ}\text{C}$

CO₂气瓶重量: 2*33g

适用者尺寸: 15 $\leq$ 体重<43Kg

100 $\leq$ 身高<155cm

产品浮力: $\geq 150\text{N}$

产品认证: CCS/EC

HXY-C3 INFLATABLE LIFEJACKET (CHILDREN)

Standards: SOLAS 1974, as amended

Type: Two independent compartments

Inflation time: $\leq 5\text{s}$

Usage environment temperature: -30°C ~ $+65^{\circ}\text{C}$

CO₂ cylinders weight: 2*33g gas cylinders

Size for wearer: 15 $\leq$ Weight<43Kg

100 $\leq$ Height<155cm

Buoyancy: $\geq 150\text{N}$

Product Certification: CCS/EC



HXY-C5儿童救生衣

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/EC

国际编码: 330132

面料材质: 涤纶

产品浮力: EPE泡沫

产品浮力: $\geq 100\text{N}$

适合身高: 100cm~155cm

适合体重: 15kg~43kg

HXY-C5 CHILDREN'S LIFE JACKET

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/EC

Impa code: 33 01 32

Fabric Material: Polyester

Product floating material: EPE

Product floating: $\geq 100\text{N}$

Fit for height: 100cm~155cm

Fit for weight: 15kg~43kg



HXY-B1 婴儿救生衣
符合标准: SOLAS 1974及其最新修正案
产品认证: CCS/EC
面料材质: 涤纶
产品浮材: EPE泡沫
产品浮力: $\geq 70\text{N}$
适合身高: $\leq 100\text{cm}$
适合体重: $\leq 15\text{kg}$
HXY-B1 INFANT LIFEJACKET
Standards: SOLAS 1974, as amended
Product Certification: CCS/EC
Fabric Material: Polyester
Product floating material: EPE
Product floating: $\geq 70\text{N}$
Fit for height: $\leq 100\text{cm}$
Fit for weight: $\leq 15\text{kg}$



HXY-D1 工作救生衣
符合标准: GB 32227-2015
产品认证: CCS/ZY
面料材质: 涤纶
产品浮材: EPE
产品浮力: $\geq 75\text{N}$
HXY-D1 WORKING LIFEJACKET
Standards compliant: GB 32227-2015
Product Certification: CCS/ZY
Fabric Material: Polyester
Product floating material: EPE
Product floating: $\geq 75\text{N}$



HXY-D2 船用保暖工作救生衣
符合标准: GB 32227-2015
产品认证: ZY
面料材质: 涤纶牛津布
产品浮材: EPE聚乙烯泡沫
产品浮力: $\geq 75\text{N}$
HXY-D2 THERMAL WORK VEST
Standards: GB 32227-2015
Product Certification: ZY
Fabric Material: polyester oxford
Product floating material: EPE polyethylene foam
Product floating: $\geq 75\text{N}$

救生衣系列 LIFE JACKET SERIES



HXY-D4 工作救生衣
面料材质: 涤纶
产品浮材: EPE
产品浮力: $\geq 75\text{N}$
HXY-D4 WORKING LIFE JACKET
Fabric Material : Polyester
Product floating material : EPE
Product floating : $\geq 75\text{N}$



HXY-E2 水上休闲救生衣
面料材质: 涤纶
产品浮材: EPE
产品浮力: $\geq 75\text{N}$
HXY-E2 LIFE JACKET
Fabric Material : Polyester
Product floating material : EPE
Product floating : $\geq 75\text{N}$



HXY-E1 水上休闲救生衣
面料材质: 涤纶
产品浮材: EPE
产品浮力: $\geq 75\text{N}$
HXY-E1 LIFE JACKET
Fabric Material : Polyester
Product floating material : EPE
Product floating : $\geq 75\text{N}$

救生衣系列 LIFE JACKET SERIES



HXYD-10B救生衣灯
符合标准: SOLAS 1974/96及其修正案
产品认证: CCS/ZY/EC
光源: LED
电源: 锂电池
开关: 触水开关
光强: $\geq 0.75\text{cd}$
持续时间: $\geq 8\text{H}$
HXYD-10 LIFE JACKET LIGHT
Standards compliant: SOLAS 1974/96 and amendment
Product Certification: CCS/ZY/EC
Light Source: LED
Power supply: Lithium battery
Switch: Touch water switch
Light intensity: $\geq 0.75\text{cd}$
Duration: $\geq 8\text{H}$



HXYD-12 救生衣灯
符合标准: SOLAS 1974/96及其修正案
产品认证: CCS/ZY/EC
光源: LED
电源: 锂电池
开关: 触水开关
光强: $\geq 0.75\text{cd}$
持续时间: $\geq 8\text{H}$
HXYD-12 LIFE JACKET LIGHT
Standards compliant: SOLAS 1974/96 and amendment
Product Certification: CCS/ZY/EC
Light Source: LED
Power supply: Lithium battery
Switch: Touch water switch
Light intensity: $\geq 0.75\text{cd}$
Duration: $\geq 8\text{H}$



HJY-1救生衣箱
规格: 925mm*515mm*505mm
材质: 玻璃钢
包装尺寸: 960mm*550mm*535mm
备注: 尺寸和印字可根据客户要求订做
HJY-1 LIFE JACKETS BOX
Specification: 925mm*515mm*505mm
Material: FRP
Packing: 960mm*550mm*535mm
Note: dimension and printing can be up to customer request



HJY-1T救生衣箱
规格: 700mm*500mm*300mm
材质: 不锈钢
备注: 尺寸和印字可根据客户要求订做
HJY-1T LIFE JACKETS BOX
Specification: 700mm*500mm*300mm
Material: stainless steel
Note: dimension and printing can be up to customer request

保温服系列

IMMERSION SUIT SERIES



HXF-1保温服
符合标准：SOLAS 1974/96及其修正案
产品认证：CCS/ZY/EC
国际编码：330169
面料材质：涤纶+TPU
产品浮材：PE聚乙烯泡沫
产品浮力：≥150N
保温性能：在0℃~+2℃平静水流中历史6小时，体温降低不超过2℃，配有救生衣灯、口哨、伙伴绳和提拉桿

HXF-1 IMMERSION SUIT
Standards compliant：SOLAS 1974/96 and amendment
Product Certification：CCS/ZY/EC
Impa code：330169
Fabric Material：Polyester + TPU
Product floating material：PE polyethylene foam
Product floating：≥150N
Insulation properties：At 0℃ ~ +2℃ History 6 hours in calm water, hypothermia does not exceed 2℃, with a life jacket lights, whistle, partners rope and pulling loop.

规格Specification	适合身高 Fir for height
M	150cm~170cm
L	170cm~190cm
XL	190cm~210cm



HXF-2 保温服
符合标准：SOLAS 1974/96及其修正案
产品认证：CCS/ZY/EC
国际编码：330169
面料材质：氯丁橡胶
产品浮力：≥150N
保温性能：在0℃~+2℃平静水流中历史6小时，体温降低不超过2℃，配有救生衣灯、口哨、伙伴绳和提拉桿

HXF-2 IMMERSION SUIT
Standards compliant：SOLAS 1974/96 and amendment
Product Certification：CCS/ZY/EC
Impa code：330169
Fabric Material：Neoprene
Product floating：≥150N
Insulation properties：At 0℃ ~ +2℃ History 6 hours in calmwater, hypothermia does not exceed 2℃, with a life jacket lights, whistles, partners rope and pulling loop.

规格Specification	适合身高 Fir for height
M	150cm~170cm
L	170cm~190cm
XL	190cm~210cm

保温服系列
IMMERSION SUIT SERIES



HXF-3 保温服
符合标准:
EN340(2003), EN471+A1
EN343+A1, EN14058(2004)
面料材质: 涤纶
里料: 摇粒绒
HXF-3 IMMERSION SUIT
Standards compliant :
EN340(2003), EN471+A1
EN343+A1, EN14058(2004)
Fabric Material : Polyester
Lining: polar fleece



HXF-3A 保温服
符合标准: EN340(2003), EN471+A1 (2007)
面料材质: 涤纶
里料: 210T
HXF-3 IMMERSION SUIT
Standards compliant :
EN340(2003), EN471+A1 (2007)
Fabric Material : Polyester
Lining : 210T



HXF-9 儿童保温服
面料材质: 氯丁橡胶
产品浮力: ≥90N
保温性能: 在0℃ - +2℃ 平静水流中历史6小时, 体温降低不超过2℃, 配有 救生衣灯、口哨、伙伴绳和提拉带
HXF-9 CHILDREN IMMERSION SUIT
Fabric Material: Neoprene
Product floating: ≥90N
Insulation properties: At 0℃ - +2℃ history 6 hours in calmwater , hypothermia does not exceed 2℃, with a life jacket lights, whistles , partners rope and pulling loop .

规格Specification	适合身高 Fir for height
S	90cm~100cm
M	100cm~130cm
L	130cm~150cm



HJY-2 保温服储存箱
规格: 700mm*550mm*300mm
材质: 玻璃钢
备注: 尺寸和印字可根据客户要求订做
HJY-2 IMMERSION SUIT BOX
Specification: 700mm*550mm*300mm
Material : FRP
Note: dimension and printing can be up to customer request



HJY-2T 保温服储存箱
规格: 700mm*500mm*300mm
材质: 不锈钢
备注: 尺寸和印字可根据客户要求订做
HJY-2T IMMERSION SUIT BOX
Specification: 700mm*500mm*300mm
Material : stainless steel
Note: dimension and printing can be up to customer request

救生圈系列

LIFE BUOY SERIES



HXQ-5555-1 儿童救生圈

外壳材质: 低压高密度聚乙烯
发泡材料: 闭孔型聚氨酯
产品内径: $\Phi 270\text{mm} \pm 5\text{mm}$
产品外径: $\Phi 500 \pm 5\text{mm}$
产品高度: $90\text{mm} \pm 5\text{mm}$
产品浮力: $\geq 100\text{N}$
产品重量: $\geq 1.5\text{kg}$

HXQ-5555-1 CHILDREN'S LIFE BUOY

Shell Material: Low pressure high-density polyethylene
Foam Material: Closed-cell polyurethane
Product Internal diameter: $\Phi 270\text{mm} \pm 5\text{mm}$
Product External diameter: $\Phi 500 \pm 5\text{mm}$
Product Height: $90\text{mm} \pm 5\text{mm}$
Product floating: $\geq 100\text{N}$
Product Weight: $> 1.5\text{kg}$



HXQ-5555救生圈

符合标准: SOLAS 74/96及其修正案
产品认证: CCS/ZY/EC
国际编码: 330151
外壳材质: 低压高密度聚乙烯
发泡材料: 闭孔型聚氨酯
产品内径: $\Phi 445 \pm 10$
产品外径: $\Phi 713 \pm 10$
产品高度: $90\text{mm} \sim 105\text{mm}$
产品浮力: $\geq 14.5\text{kg}$
产品重量: $> 2.5\text{kg}$

HXQ-5555 LIFE BUOY

Standards compliant: SOLAS 1974/96 and amendment
Product Certification: CCS/ZY/EC
Impa code: 330151
Shell Material: Low pressure high-density polyethylene
Foam Material: Closed-cell polyurethane
Product Internal diameter: $\Phi 445 \pm 10$
Product External diameter: $\Phi 713 \pm 10$
Product Height: $90\text{mm} \sim 105\text{mm}$
Product floating: $\geq 14.5\text{kg}$
Product Weight: $> 2.5\text{kg}$



HXQ-5555-4救生圈

符合标准: SOLAS 74/96及其修正案
产品认证: CCS/ZY/EC
国际编码: 330152
外壳材质: 低压高密度聚乙烯
发泡材料: 闭孔型聚氨酯
产品内径: $\Phi 468 \pm 10$
产品外径: $\Phi 750 \pm 10$
产品高度: $105\text{mm} \sim 120\text{mm}$
产品浮力: $\geq 14.5\text{kg}$
产品重量: $> 4.3\text{kg}$

HXQ-5555-4 LIFE BUOY

Standards compliant: SOLAS 1974/96 and amendment
Product Certification: CCS/ZY/EC
Impa code: 330152
Shell Material: Low pressure high-density polyethylene
Foam Material: Closed-cell polyurethane
Product Internal diameter: $\Phi 468 \pm 10$
Product External diameter: $\Phi 750 \pm 10$
Product Height: $105\text{mm} \sim 120\text{mm}$
Product floating: $\geq 14.5\text{kg}$
Product Weight: $> 4.3\text{kg}$



HXQ-5555-2充气式救生圈

适用于海事渔政、消防救援、防汛救灾、近海渔船和游泳溺渡等从事水上活动时使用。
浮力: $\geq 10\text{kg}$ (24小时后浮力损失 $\leq 5\%$)
气囊材料: 210D
重量: $< 0.6\text{kg}$
二氧化碳气瓶: 17g
工作环境: $-30^\circ\text{C} \sim +65^\circ\text{C}$
环境湿度: $< 80\%$
有效期: 3年

HXQ-5555-2 INFLATABLE LIFE BUOY

Applied to the water activities such as marine fishery, fire rescue, off-shore fishing boat and swim across and etc
Floating: $\geq 10\text{kg}$ (Buoyancy lost after 24h $\leq 5\%$)
Material of gasbag: 210D
Weight: $< 0.6\text{kg}$
CO2 cylinder: 17g
Ambient temperature: $-30^\circ\text{C} \sim +65^\circ\text{C}$ humidity: $\leq 80\%$
Period of validity: 3 years



HXQD-1救生圈灯

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/ZY/EC

光源: LED

电源: 锂电池

开关: 触水开关

光强: $\geq 2cd$

持续时间: $\geq 2h$

HXQD-1 LIFE BUOY LIGHT

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/ZY/EC

Light Source: LED

Power supply: Lithium battery

Switch: Touch water switch

Light intensity: $2cd$

Duration: $\geq 2h$



HXQD-2救生圈灯

符合标准: SOLAS 1974/96及其修正案

产品认证: CCS/ZY/EC

光源: LED

电源: 锂电池

开关: 触水开关

光强: $\geq 2cd$

持续时间: $\geq 2h$

HXQD-2 LIFE BUOY LIGHT

Standards compliant: SOLAS 1974/96 and amendment

Product Certification: CCS/ZY/EC

Light Source: LED

Power supply: Lithium battery

Switch: Touch water switch

Light intensity: $2cd$

Duration: $\geq 2h$



HXQD-4防爆救生圈灯

符合标准: SOLAS 74/96及其修正案IEC60079-0, IEC60079-11

产品认证: CCS/ZY/EC

国际代码: 330386

光源: LED

电源: 1R20碱性电池2只

防爆等级: Ex ia II CT4

防护等级: IP68

外形尺寸: $\Phi 100mm \times 295mm$

产品重量: 700g

HXQD-4 EXPLOSION PROOF

LIFE BUOY LIGHTS

Standards compliant: SOLAS 1974/96 and amendment

IEC60079-0, IEC60079-11

Product Certification: CCS/ZY/EC

Code: 330386

Light Source: LED

Power supply: 2PCS 1R20 alkaline batteries

Explosion-proof degree: Ex ia II CT4

Protection grade: IP68

Dimensions: $\Phi 100mm \times 295mm$

Product Weight: 700g



HXQD-5救生圈用自亮浮灯和自发光烟雾信号

采用标准: 符合SOLAS 1974及其最新修正案。

认证: CCS/EC/ZY

自亮灯发光强度: $2cd$

自亮灯发光时间: $\geq 2h$

烟雾发烟时间: $\geq 15mins$

烟雾颜色: 橙色

有效期: 3年

HXQD-5 LIFE BUOY SELF-IGNITING LIGHT

AND SELF-ACTIVATING SMOKE SIGNAL

Standard: In accordance with SOLAS 1974 and the latest amendment

Approvals: CCS/EC/ZY

Luminous intensity: $2cd$

Duration time of lighten: $\geq 2h$

Smoke duration: $\geq 15min$

Color of Smoke: Orange

Validity period: 3 years

救生圈系列

LIFE BUOY SERIES



救生圈架 LIFE BUOY BRACKET

型号 Type	产品材质 Product Material	表面处理 Surface treatment	备注 Remarks
HJQ-5A	不锈钢 Stainless steel	喷塑 Spray powder	HXQ-5555
HJQ-5L	铝Aluminum		
HJQ-5	铁Iron		HXQ-5555-4
HJQ-2	不锈钢 Stainless steel		
HJQ-1A	铝Aluminum		
HJQ-1	铁Iron		



HJQ-3 快速释放盒
产品材质: 玻璃钢
配件材质: 不锈钢
产品规格: 一套两个, 左右舷
HJQ-3 QUICK RELEASE BOX FOR LIFEBOUY
Product Material: FRP
Fitting Material: Stainless steel
Specifications: A set of two, left and right side



HJQ-3T快速释放架
产品材质: 不锈钢
表面处理: 喷塑
HJQ-3T QUICK RELEASE BOX FOR LIFEBOUY
Product Material: Stainless steel
Surface treatment: Spray powder



HJQ-4 浮索
产品材质: 聚丙烯
产品直径: 8mm
产品长度: ≥30m
HJQ-4 BUOYANT LIFELINE
Product Material: Polypropylene
Product Diameter: 8mm
Product Length: ≥30m

救生筏系列

LIFE RAFT SERIES



自扶正抛投式气胀救生筏
适用范围: 适用于国内、国际航行船舶上使用
符合标准: 符合SOLAS1974/96, LSA, MSC81(70), MSC226(82)
产品认证: CCS/ZY
SELF-RIGHTING INFLATABLE LIFERAFTS
Application: It is suitable for installing ships on international & domestic voyages.
Standards compliant : SOLAS1974/96, LSA, MSC81(70), MSC226(82) and amendment
Product Certification : CCS/ZY

型号 Type	乘员 Carrying capacity	包装尺寸 (mm) Packing Dimension(mm)	重量(Kg) Weight(Kg)
HXJF-AZ6	6	φ615*1095	≤ 85
HXJF-AZ10	10	φ670*1135	≤ 120
HXJF-AZ15	15	φ690*1285	≤ 140
HXJF-AZ20	20	φ720*1450	≤ 140
HXJF-AZ25	25	φ735*1495	≤ 175
HXJF-AZ50	50	φ895*2095	≤ 190



自扶正可吊式救生筏
适用范围: 适用于国内、国际航行船舶上使用
符合标准: 符合SOLAS1974/96, LSA, MSC81(70), MSC226(82)
产品认证: CCS/ZY
SELF-RIGHTING DAVIT-LAUNCHED INFLATABLE LIFERAFTS
Application: It is suitable for installing ships on international & domestic voyages.
Standards compliant : SOLAS1974/96, LSA, MSC81(70), MSC226(82) and amendment
Product Certification : CCS/ZY

型号 Type	乘员 Carrying capacity	包装尺寸 (mm) Packing Dimension(mm)	重量(Kg) Weight(Kg)
HXJF-DZ25	25	φ845*1510	≤ 230
HXJF-DZ37	37	φ850*1875	≤ 310



带顶篷两面可用气胀救生筏
适用范围: 适用于国内、国际航行船舶上使用
符合标准: 符合SOLAS1974/96, LSA, MSC81(70), MSC226(82)
产品认证: CCS/ZY
BOTH SIDES OF A CANOPIED REVERSIBLE INFLATABLE LIFERAFTS
Application: It is suitable for installing ships on international & domestic voyages.
Standards compliant : SOLAS1974/96, LSA, MSC81(70), MSC226(82) and amendment
Product Certification : CCS/ZY

型号 Type	乘员 Carrying capacity	包装尺寸 (mm) Packing Dimension(mm)	重量(Kg) Weight(Kg)
HXJF-KHR6	6	φ615*1095	≤ 80
HXJF-KHR10	10	φ670*1135	≤ 100
HXJF-KHR25	25	φ735*1495	≤ 190
HXJF-KHR30	30	φ775*1495	≤ 205
HXJF-KHR 50	50	φ805*1895	≤ 320

救生筏系列

LIFE RAFT SERIES



A型抛投式/气胀救生筏
适用范围: 适用于国内、国际航行船舶上使用
符合标准: 符合SOLAS 1974/96, LSA, MSC81(70), MSC226(82)
产品认证: CCS/ZY/EC
最大存放高度: 18~30m
A TYPE THROWING INFLATABLE LIFE RAFT
Application: It is suitable for installing ships on international & domestic voyages.
Standards compliant : SOLAS 1974/96, LSA, MSC81(70), MSC226(82) and amendment
Product Certification : CCS/ZY/EC
Maximum storage altitude: 18~30m

型号 Type	乘员 Carrying capacity	筏体外形 Body shape	外形尺寸(mm) dimension(mm)	重量(Kg) Weight(Kg)
HXJF-A6	6	正八边形 regular octagon	2160*2160*1350	≤85
HXJF-A10	10	正八边形 regular octagon	2730*2730*1450	≤120
HXJF-A15	15	正十二边形 regular dodecagon	3405*3405*1500	≤140
HXJF-A16	16	正十二边形 regular dodecagon	3405*3405*1500	≤140
HXJF-A20	20	正八边形 regular octagon	4280*3080*1650	≤175
HXJF-A25	25	正八边形 regular octagon	4700*3450*1800	≤190



D型可吊式/气胀救生筏
适用范围: 适用于国内、国际航行船舶上使用
符合标准: 符合SOLAS 1974/96, LSA, MSC81(70), MSC226(82)
产品认证: CCS/EC
最大存放高度: 18~30m
D TYPE DAVIT-LAUNCHED INFLATABLE LIFE RAFT
Application: It is suitable for installing ships on international & domestic voyages.
Standards compliant : SOLAS 1974/96, LSA, MSC81(70), MSC226(82) and amendment
Product Certification : CCS/EC
Maximum storage altitude: 18~30m

型号 Type	乘员 Carrying capacity	筏体外形 Body shape	外形尺寸(mm) dimension(mm)	重量(Kg) Weight(Kg)
HXJF-D15	15	正十边形regular decagon	3400*3400*1750	≤170
HXJF-D16	16	正十边形regular decagon	3400*3400*1750	≤170
HXJF-D20	20	正十二边形regular dodecagon	3825*3825*1700	≤185
HXJF-D25	25	正十二边形regular dodecagon	4530*3730*1800	≤200



K型开敞式双面可用气胀救生筏
适用范围: 适用于国内、国际航行船舶上使用
符合标准: 符合SOLAS 1974/96, LSA, MSC81(70), MSC226(82)
产品认证: CCS
最大存放高度: 10m
K-TYPE OPEN-SIDED INFLATABLE LIFERAFT
Application: It is suitable for installing ships on international & domestic voyages.
Standards compliant : SOLAS 1974/96, LSA, MSC81(70), MSC226(82) and amendment
Product Certification : CCS
Maximum storage altitude: 10m

型号 Type	乘员 Carrying capacity	筏体外形 Body shape	外形尺寸(mm) dimension(mm)	重量(Kg) Weight(Kg)
HXJF-K50	20	正十二边形 regular dodecagon	5900*860	≤180
HXJF-K65	25	正十二边形regular dodecagon	6520*920	≤210

救生筏系列 LIFE RAFT SERIES



HJF-1 平吊式救生筏架

适用范围: 用于存放可吊式救生筏

材料: Q235

HJF-1 FLAT TYPE LIFE RAFT BRACKET

Application: Used for storing hanging life raft store

Material: Q235



HJF-2 抛投式救生筏架

适用范围: 用于存放抛投式救生筏

材料: Q235/不锈钢

HJF-2 THROWING TYPE LIFE RAFT BRACKET

Application: Used for storing throwing type life raft

Material: Q235/Stainless steel



HJF-3 静水压力释放器

采用标准: 符合1974/1996, LSA, MSC.81(70)

产品特点: 船舶遇险时安全快速释放气胀式救生筏, 它能在2-4米水深使气胀式救生筏与沉船自动分离

产品认证: CCS/ZY

HJF-3 HYDROSTATIC RELEASE UNITS

Standard: SOLAS 1974/1996, LSA, MSC.81(70)

Characteristics: To release the inflatable life raft safety quickly when the ships in distress, it can separate the inflatable life raft and shipwreck automatically under a depth of 2-4 meters

Product Certification: CCS/EC/ZY



HJF-4 静水压力释放器

采用标准: 符合1974/1996, LSA, MSC.81(70)

产品特点: 船舶遇险时安全快速释放气胀式救生筏, 它能在2-4米水深使气胀式救生筏与沉船自动分离

产品认证: EC

HJF-4 HYDROSTATIC RELEASE UNITS

Standard: SOLAS 1974/1996, LSA, MSC.81(70)

Characteristics: To release the inflatable life raft safety quickly when the ships in distress, it can separate the inflatable life raft and shipwreck automatically under a depth of 2-4 meters

Product Certification: EC



HJF-9 口粮

一般配置在救生艇、救生筏上, 供遇险人员食用, 主要成分为精白面粉、精炼植物油、葡萄糖等。

重量: ≥500g

含水量: ≤5%

盐分: <0.2%

碳水化合物: 60-70%

脂肪: 18-23%

蛋白质: 6-10%

总热量: ≥10MJ

HJF-9 FOOD RATION

Stored in the life boat and life raft when personal on trapped on the sea. Main content is fine flour, vegetable oil, glucose etc.

Weight: ≥500g

Water: ≤5%

Salt: <0.2%

Carbon hydrate: 60-70%

Fat: 18-23%

Protein: 6-10%

Total calorie: ≥10MJ



HJF-28 急救药品

装有急救或常用药品及消毒药的药棉、绷带的药包, 供国际国内航行船舶所配备的救生艇、救生筏使用。

HJF-28 EMERGENCY MEDICINE

Includes the first aid or normal used drugs, sterile cotton wool, bandages kits for life boat and life raft of international and domestic sailing ships

软梯系列

LADDER SERIES



HXRT-1引航员软梯(木踏板)
采用标准：符合SOLAS 1974及其修正案
认证：CCS/EC
踏板间距：330±20mm
踏板材料：硬木
最下四级：钢衬橡胶踏板
最多踏板数：30级
HXRT-1 PILOT ROPE LADDER (wood step)
Standard: Conform to SOLAS 1974 and its amendment.
Product Certification: CCS/EC
Pedal spacing: 330±20mm
Pedal Material: Hardwood
Lowest four steps: Lined rubber pedal
Maximum number of pedal: 30



HXRT-2登乘梯(木踏)
采用标准：符合SOLAS 1974及其修正案
认证：CCS/EC
踏板间距：330±20mm
踏板材料：硬木
最下四级：钢衬橡胶踏板
HXRT-2 MBARKATION LADDER (wood step)
Standard: Conform to SOLAS 1974 and its amendment.
Product Certification: CCS/EC
Pedal spacing: 330±20mm
Pedal Material: Hardwood
Lowest four steps: Lined rubber pedal



HXRT-3登乘梯(铝合金踏)
采用标准：符合SOLAS 1974及其修正案
认证：CCS/EC
踏板间距：330±20mm
踏板材料：LF5高镁合金
最下四级：钢衬橡胶踏板
HXRT-3 MBARKATION LADDER (aluminum)
Standard: Conform to SOLAS 1974 and its amendment.
Product Certification: CCS/EC
Pedal spacing: 330±20mm
Pedal Material: LF5 High magnesium alloys
Lowest four steps: Lined rubber pedal



橡胶板
适用范围：适用于登乘梯和引航员软梯的最下四级踏板
采用标准：符合CB/T 428-93标准
产品材质：橡胶
产品尺寸：530X110X50
RUBBER STEP
Application: For the bottomed 4 steps of the embarkation ladder and pilot ladder.
Standdard: In accordance with the CB/T 428-93 standard.
Product Material: Rubber
Product Dimensions: 530X110X50



木踏板
适用范围：适用于登乘梯和引航员软梯
采用标准：符合CB/T 428-93标准
产品材质：硬木
产品尺寸：木踏板(短板): 525X110X30
木踏板(长板): 1800X110X30
WOOD STEP
Application: For embarkation ladder and pilot ladder.
Standdard: In accordance with the CB/T 428-93 standard.
Product Material: hard wood
Product Dimensions: Wood step(short): 525X110X30, Wood step(long): 1800X110X30.



铝合踏板
适用范围：适用于登乘梯和引航员软梯
采用标准：符合CB/T 428-93标准
产品材质：铝合金
产品尺寸：铝合金短板: 525X110X20
铝合金长板: 1800X110X20
ALUMINUM ALLOY STEP
Application: For embarkation ladder and pilot ladder.
Standdard: In accordance with the CB/T 428-93 standard.
Product Material: aluminum alloy
Product Dimensions: Aluminum short step: 525X110X20, Aluminum long step: 1800X110X20

船用消防系列
MARINE FIRE-FIGHTING SERIES



消防员装备 FIREMAN'S OUTFIT



HXXF-0 消防员装备

采用标准: 符合SOLAS 1974及其最新修正案

产品特点: 整套消防员装备包括消防员隔热服、消防员装备箱、消防员安全腰带、手提式防爆灯、30米耐火绳、腰斧、5L空气呼吸器

认证: EC

HXXF-0 FIREMAN'S OUTFIT

Standard: Conform to SOLAS 1974 and the latest amendment.

Characteristic: Fireman's outfit includes Fireman's Protective Suit, Fireman's Outfit Box, Fireman Safety Belt, Portable Explosion-proof Light, 30M Fire Proof Safeline, Waist Axe and 5L Air Rebreathing Apparatus.

Certificate: EC



HXXF 消防员装备

采用标准: 符合SOLAS 1974及其最新修正案

产品特点: 整套消防员装备包括消防员隔热服、消防员装备箱、消防头盔、消防手套、消防胶靴、消防员安全腰带、手提式防爆灯、30米耐火绳、腰斧、5L空气呼吸器

认证: CCS/ZY

HXXF FIREMAN'S OUTFIT

Standard: Conform to SOLAS 1974 and the latest amendment.

Characteristic: Fireman's outfit includes Fireman's Protective Suit, Fireman's Outfit Box, Fire Helmet, Fireman Glove, Fire Rubber Boots, Fireman Safety Belt, Portable Explosion-proof Light, 30M Fire Proof Safeline, Waist Axe and 5L Air Rebreathing Apparatus.

Certificate: CCS/ZY



消防员装备 FIREMAN'S OUTFIT



HXF-5 消防员隔热服

采用标准: 符合SOLAS 1974及其最新修正案

产品特点: 整套消防员隔热服包括消防上衣、消防裤、头罩、靴盖、消防头盔、消防手套、消防胶靴

主体面料: 反射型隔热服面料

认证: CCS/ZY

HXF-5 FIREMAN PROTECTIVE SUIT

Standard: Conform to SOLAS 1974 and the latest amendment.

Characteristic: A full set Firman's Protective Suit includes Fire Tops, Fire Pants, Helmet, Boots Cover, Helmet, Fireman's Gloves and Fireman's Rubber Boots.

Main Material: Reflective insulated clothing fabrics.

Certificate: CCS/ZY



HXF-5 消防员隔热服

采用标准: 符合SOLAS 1974及其最新修正案

产品特点: 整套消防员隔热服包括消防上衣、消防裤、头罩、靴盖;

主体面料: 涤纶织物+涂层铝箔

认证: EC

抗热辐射率: $\geq 90\%$

撕破强力: 经 ≥ 100 , 纬 ≥ 100

阻燃性能: 氧指数 ≥ 30 , 续燃时间 $\leq 2S$, 损毁时间 ≤ 30

耐静水压性能: > 17

HXF-5 FIREMAN PROTECTIVE SUIT

Standard: Conform to SOLAS 1974 and the latest amendment.

Characteristic: A full set Firman's Protective Suit includes Fire Tops, Fire Pants.

Main Material: Aramid fabric and coated aluminum foil

Certificate: EC

Thermal radiation rate: $\geq 90\%$

Tear strength: Longitude ≥ 100 , Latitude ≥ 100

Flame retardant: oxygen index ≥ 30
continued burning time $\leq 2S$
corrupted time ≤ 30

Hydrostatic performance: > 17



消防员装备 FIREMAN'S OUTFIT



HXF-6 轻型防化服

适用范围: 供消防、抢险队员、工厂或实验室的工作人员使用

采用标准: 符合EN14605

产品特点: 采用聚酰胺材料, PVC涂层配有手套和连体安全靴
不含面罩

国际编码: 33 09 81

认证: CCS

HXF-6 LIGHT-DUTY CHEMICAL PROTECTIVE SUIT

Application: For firefighting, rescue team members, factory or laboratory worker using

Standard: In accordance with EN14605

Characteristic: Adopt polyamide material, PVC coated with gloves and safety boots Siamese, not include mask

code: 33 09 81

Certificate: CCS



HXF-7 重型防化服

适用范围: 用于有危险性化学物品或腐蚀性物品的现场作业

采用标准: 符合EN 943-1/2

国际编码: 33 09 81

认证: CCS

HXF-7 HEAVY-DUTY CHEMICAL PROTECTIVE SUIT

Application: Used for on-site operation on dangerous chemicals or corrosive materials.

Standard: In accordance with EN 943-1/2

IMPA code: 33 09 81

Certificate: CCS



HXF-8 消防员灭火防护服

符合标准: GA10-2004 《消防员灭火防护服》

阻燃性能: 损毁长度 $\leq$ 100mm

撕裂强度: $\geq$ 100N

接缝断裂强力: $\geq$ 650N

表面抗湿性能: 沾水性能不低于3级

产品认证: CCS

**HXF-8 FIREMAN'S PROTECTIVE CLOTHING
FOR FIREFIGHTING**

Standards: GA10-2004

Flame retardant property: damaged length $\leq$ 100mm.

Fracture strength: 100N

Seam breaking strength: $\geq$ 650N

Product Certification: CCS



HXF-10 液密性防化服

符合标准: SOLAS 1974及其最新修正案、符合
EN14605: 2005

适用范围: 供消防人员进入酸碱性化学物品和
腐蚀性物质的场所进行抢险, 救援工作时穿着
的一种个人防护服装。全套产品含防化服、防
化靴、防化手套

产品认证: EC

**HXF-10 SPRAY TIGHT TYPE CHEMICAL
PROTECTIVE SUIT**

Standards: SOLAS 1974, as amended, In accordance
with EN14605: 2005

Application: Used to protect fire fighting personnel
from harmful chemicals and corrosiveSubstances in a
fire or accident. Complete set including chemical
resistance suit,Boot , glove.

Product Certification: EC

消防员装备 FIREMAN'S OUTFIT



HXF-11气密性防化服

符合标准：SOLAS 1974 及其最新修正案、符合
DIN EN943-1: 2002

使用范围：用于危险性化学物品或腐蚀性物品的
现场作业

产品认证：EC

HXF-11 AIRTIGHT CHEMICAL PROTECTIVE CLOTHING

Standards: SOLAS 1974, as amended, In accordance
with DIN EN943-1: 2002

Application: Used for on-site operation on dangerous
chemicals or corrosive materials.

Product Certification: EC



HXXF-1 正压式消防空气呼吸器

采用标准：符合SOLAS 1974 及其最新修正案

认证：CCS/EC

气瓶工作压力：30Mpa

报警压力：4-6Mpa

包装尺寸：770mm*300*430

HXXF-1 SELF-CONTAINED POSITIVE AIR R EBREATHING APPARATUS

Standard: Conform to SOLAS 1974 and the latest amendment.

Certificate: CCS/EC

Cylinder working pressure: 30Mpa

Alarm Pressure: 4-6Mpa

Packing size: 770mm * 300 * 430

气瓶材质 Cylinder Material	气瓶容积 Cylinder Capacity	储气量 Server Volume (L)	使用时间 Usage Time	重量 Weight
钢质Steel	5	1500	40-50	≤16
钢质Steel	6	1800	40-50	≤18
碳纤维 Carbon Fiber	6.8	2040	60-65	≤12



HXXF-1-2 6L备用气瓶

采用标准：符合SOLAS 1974 及其最新修正案

气瓶容积：6L

额定储气量：1800L

报警压力：50-60Bar

认证：CCS/EC

产品材质：钢

HXXF-1-2 6L SPARE CYLINDERS

Standard: Conform to SOLAS 1974 and the latest amendment.

Air cylinder volume: 6L

Air storage capacity: 1800L

Alarm pressure: 50-60Bar

Certificate: CCS/EC

Material: Steel



HXXF-2-1呼吸空气充填压缩机(国产)
额定电压下自由空气输量: 100L/min
最大工作压力: 30Mpa
电机功率: 3KW
电机电压: 220/380V 50Hz/60Hz
噪音: <78dB
BREATHING AIR COMPRESSOR (Made in China)
Rated voltage Output Free Air Delivery: 100L/min
Maximum working pressure: 30Mpa
Motor power: 3KW
Motor Voltage: 220/380V 50Hz/60Hz
Noise: <78dB



HXXF-2呼吸空气充填压缩机(进口)
额定电压下自由空气输量: 100L/min
最大工作压力: 30Mpa
电机功率: 3KW
电机电压: 220/380V 50Hz/60Hz
噪音: <78dB
BREATHING AIR COMPRESSOR (Imported)
Rated voltage Output Free Air Delivery: 100L/min
Maximum working pressure: 30Mpa
Motor power: 3KW
Motor Voltage: 220/380V 50Hz/60Hz
Noise: <78dB

HXXF-8手持防爆灯
HXXF-8 PORTABLE EXPLOSION-PROOF LIGHTS



适用范围 The scope of application	适用于船舶、港口等行业；具有易燃易爆气体的1区或2区场所巡查检修工作。 Applied to ships and ports; illumination in explosive gas area Zone 1 or Zone 2.
型号 Type	CFS2
额定电压 Rated voltage	3.7 V
额定容量 Rated capacity	4.4 Ah
防爆标志 Explosion-proof mark	Ex ib IIC T4 Gb
额定功率 Rated power	3 W
额定工作电压 Rated working voltage	3.7 V
强光光通量 Strong light flux	330 lm
弱光光通量 Weak light flux	110 lm
光源使用寿命 Light source life	>100000 h
强光放电时间 Strong light discharge time	4 h
弱光放电时间 Low light discharge time	15 h
充电时间 Charging time	≤10 h
电池使用寿命 Battery life span	循环500次 500 circulations
使用环境温度 Working environment temperature	-20~40℃
外形尺寸 Overall dimension	186*118*70 mm
材质 Material	铝 Aluminum
重量 Weight	0.65 Kg
防护等级 Protection class	IP66

消防员装备 FIREMAN'S OUTFIT



HXXF-9耐火救生绳

材质：棉绳
长度：≥30m
直径：8mm
抗拉强度：≥3.5KN
认证：CCS

HXXF-9 FIRE PROOF LIFELINE

Material: Cotton
Length: ≥30m
Diameter: 8mm
Tensile strength: ≥3.5KN
Certificate: CCS



HXXF-11耐火救生绳

材质：钢绳
长度：≥30m
直径：5mm
抗拉强度：≥3.5KN
认证：CCS

HXXF-11 FIRE PROOF LIFELINE

Material: Steel
Length: ≥30m
Diameter: 5mm
Tensile strength: ≥3.5KN
Certificate: CCS



HXXF-13 太平斧

规格：900mm
HXXF-13 PACIFIC AXE
size: 900mm



HXXF-14 消防桶

材质：不锈钢
规格：19.5cm*13cm*21cm
HXXF-14 FIRE BUCKET
Material: Stainless steel
size: 19.5cm*13cm*21cm



HXXF-15 防火毯

规格：1200mm*1800mm
HXXF-15 FIRE BLANKET
size: 1200mm*1800mm



HXXF-16安全图筒

用于存放船用航海图，带安装脚
材质：不锈钢
HXXF-16 SAFETY DRAWING CANISTER
Applied for storing of marine navigation chart, with mounting feet.
Material: Stainless steel.



HXXF-17紧急逃生呼吸装置

采用标准：符合SOLAS 1974及其最新修正案

报警压力：4-6Mpa

认证：CCS/EC/ZY

HXXF-17 EMERGENCY ESCAPE

BREATHING DEVICE

Standard: Conform to SOLAS 1974 and the latest amendment

Alarm pressure: 4-6Mpa

Certificate : CCS/EC

型号Type	气瓶容积 Serve volume	使用时间 Usage time	重量Weight
TH10	2	10	≤6
HT15	3	15	≤7



HXXF-17B EEBD存放箱
尺寸：265mm*180mm*600mm
材料：玻璃钢
HXXF-17B EEBD BOX
size: 265mm*180mm*600mm
Material: FRP



HXXF-17T EEBD存放箱
尺寸：265mm*180mm*600mm
材料：不锈钢
HXXF-17T EEBD BOX
size: 265mm*180mm*600mm
Material: Stainless steel



HXXF-17-L EEBD存放箱
尺寸：265mm*160mm*590mm
材料：铝合金
HXXF-17-L EEBD BOX
size: 265mm*160mm*590mm
Material: Aluminium alloy



**HXXF-17-Z EEBD
存放箱支架**
尺寸：290mm*180mm*395mm
材料：不锈钢
**HXXF-17-Z
EEBD BOX BRACKET**
size: 290mm*180mm*395mm
Material: Stainless steel

消防员装备 FIREMAN'S OUTFIT

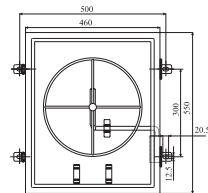


HXXF-18消防水带
采用标准: 符合SOLAS 1974及其最新修正案,
 符合GB6246
外层材料: 涤纶长纤
衬里材料: 丁腈橡胶
压力: 1.0Mpa/1.3Mpa/1.5Mpa
认证: CCS/EC
规格: DN40/DN50/DN65

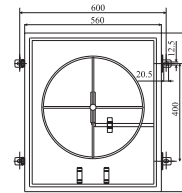
HXXF-18 FIRE HOSE
Standard: Conform to SOLAS 1974 and the
 latest amendment, also conform to GB6246.
Out Material: Polyester filament
Lining material: NBR
Pressure: 1.0Mpa/1.3Mpa/1.5Mpa
Certificate: CCS/EC
Specification : DN40/DN50/DN65



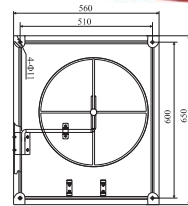
HXXF-19-1 水龙带箱
尺寸: 550mm*460mm*190mm
材料: 不锈钢
HXXF-19-1 HOSE BOX
size: 550mm*460mm*190mm
Material: Stainless steel



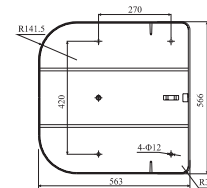
HXXF-19-2 水龙带箱
尺寸: 650mm*560mm*190mm
材料: 不锈钢
HXXF-19-2 HOSE BOX
size: 650mm*560mm*190mm
Material: Stainless steel



HXXF-19-3 水龙带箱
尺寸: 650mm*560mm*190mm
材料: 玻璃钢
HXXF-19-3 HOSE BOX
size: 650mm*560mm*190mm
Material: FRP



HXXF-19-4 水龙带箱
尺寸: 578mm*579mm*143mm
材料: 玻璃钢
HXXF-19-4 HOSE BOX
size: 578mm*579mm*143mm
Material: FRP





HXXF-20消防栓
材质：黄铜
认证：CCS /ZY
规格：DN40/DN50/DN65
HXXF-20 HYDRANT
Material: Brass
Certificate: CCS/ZY
Specification: DN40/DN50/DN65



HXXF-21国际通岸接头
材质：黄铜
工作压力：0.1Mpa
螺栓和螺母：M16*50mm*4根
接口规格：DN50/DN65
认证：CCS/ZY
HXXF-21 INTERNATIONAL SHORE CONNECTION
Material: Brass
Working pressure: 0.1Mpa
Bolts and nuts: M16 * 50mm * 4
Specification: DN50/DN65
Certificate: CCS/ZY



HXXF-21-B国际通岸接头箱
尺寸：260mm*240mm*210mm
材质：玻璃钢
HXXF-21-B INTERNATIONAL SHORE CONNECTION BOX
size: 260mm*240mm*210mm
Material: FRP



HXXF-21-T国际通岸接头箱
尺寸：265mm*245mm*235mm
材质：不锈钢
HXXF-21-T INTERNATIONAL SHORE CONNECTION BOX
size: 265mm*245mm*235mm
Material: Stainless steel



HXXF-21-U国际通岸接头箱
尺寸：265mm*245mm*235mm
材质：铁
HXXF-21-U INTERNATIONAL SHORE CONNECTION BOX
size: 265mm*245mm*235mm
Material: Iron

消防员装备

FIREMAN'S OUTFIT



CCS

EC

HXXF-22水雾/水柱两用水枪WATER FOG/WATER COLUMN DUAL-USE NOZZLE
适用范围: 主要用于扑灭油类火灾, 可按与火焰的距离, 方便调节为水雾和喷水两种, 更好的达到灭火效果
采用标准: 符合GB8181-2005标准和《1974年国际海上人命安全公约》
Application: Mainly used for extinguishing an oil fire, according to the distance from the flame, easy to adjust for the two kinds of mist and water spray, so that faster extinguishing effect.
Standard: Conform to GB8181-2005 standard and 1974 International Convention for the Safety of Life at Sea.

规格 Specification	国际编码 IMPA code	工作压力 Working Pressure	混合液流量 Flow range	喷射距离 Injection range	可携容器容积 Portable containers volume	备用容器容积 Standby vessel volume	认证 Certificate
DN40	33 08	2-16bar	(8±10%)L/S	20m	≥20L	≥20L	CCS/EC
DN50							
DN65							



HXXF-23中式水带接口CHINESE TYPE HOSE COUPLINGS
适用范围: 用于连接水带
Application: Used to connect hoses

规格Specification	标准Standard	材质Material	认证Certificate
DN40	GB 12514.2-2006	黄铜Brass	CCS
DN50			
DN65			



HXXF-24中式闷盖CHINESE TYPE BLANKING CAPS
适用范围: 适用介质为海水
Application: Suitable for use in seawater.

规格Specification	标准Standard	材质Material
DN40	GB 12514.2-2006	黄铜Brass
DN50		
DN65		



HXXF-25中式水带接口扳手 CHINESE TYPE SPANNERFOR HOSE COUPLING
适用范围: 用于连接水带与水枪
Application: Used to connect hose and nozzle.

规格Specification	标准Standard	材质Material
DN40	GB 12514.2-2006	黄铜Brass
DN50		
DN65		



HXXF-26 德式消防水带接头 STORZ HOSE COUPLINGS

适用范围: 用于连接水带与水枪, 适用介质为海水

Application: used to connect hose and nozzle, Suitable for use in seawater

规格 Specification	尺寸Size			标准Standard	材质Material	认证Certificate
	φA=mm	φB=mm	L=mm			
DN50	66	52	55	DIN	黄铜Brass	CCS
DN65	81	65	58			



HXXF-27 德式适配器接头 STORZ ADAPTER JOINT

适用范围: 适用介质为海水

Application: Suitable for use in seawater

规格 Specification	尺寸Size		标准Standard	材质Material	认证Certificate
	φA=mm	G=英寸			
DN50	66	2"	DIN	黄铜Brass	CCS
DN65	81	1 1/2"			



HXXF-28 德式闷盖 STORZ BLANKING CAPS

适用范围: 适用介质为海水

Application: Suitable for use in seawater

规格 Specification	尺寸Size	标准Standard	材质Material	认证Certificate
	φA=mm			
DN40	66	DIN	黄铜Brass	CCS
DN50	81			



HXXF-29 英式水带接扣 JOHN MORRIS TYPE HOSE COUPLINGS

适用范围: 用于连接水带

Application: Used to connect hoses

国际编码 IMPA code	规格 Specification	尺寸Size	标准Standard	材质Material
		φA=mm		
33 08 39	DN40	1 1/2"	BS 336	黄铜brass 铝合金aluminum alloy
33 08 60	DN50	2"		
33 08 61	DN65	2 1/2"		



HXXF-30 英式闷盖 JOHN MORRIS CAP

适用范围: 适用介质为海水

Application: Suitable for use in seawater

规格 Specification	尺寸Size	标准Standard	材质Material
	φA=mm		
DN40	1 1/2"	BS 336	黄铜brass
DN50	2"		
DN65	2 1/2"		

消防员装备 FIREMAN'S OUTFIT



HXXF-31町野式水带接扣 MACHINO TYPE HOSE COUPLINGS

适用范围: 用于连接水带与水枪

Application: used to connect hose and nozzle.

国际编码 IMPA code	规格 Specification	尺寸Size	标准Standard	材质Material
		φA=mm		
33 08 55	DN40	1 $\frac{1}{2}$ "	JIS B-9911	黄铜brass 铝合金aluminum alloy
33 08 56	DN50	2"		
33 08 57	DN65	2 $\frac{1}{2}$ "		



HXXF-32町野式盖 MACHINO TYPE CAP

适用范围: 适用介质为海水

Application: Suitable for use in seawater

规格Specification	尺寸Size	标准Standard	材质Material
DN40	1 $\frac{1}{2}$ "	JIS B-9911	黄铜brass
DN50	2"		
DN65	2 $\frac{1}{2}$ "		



HXXF-33美式水带接扣 ANSI HOSE COUPLINGS

适用范围: 用于连接水带与水枪

Application: used to connect hose and nozzle.

规格 Specification	尺寸Size φA=mm	标准Standard	材质Material
DN40	1 $\frac{1}{2}$ "	NH(NSTT)	黄铜brass
DN50	2"		
DN65	2 $\frac{1}{2}$ "		



HXXF-34美式闷盖 ANSI CAP

适用范围: 适用介质为海水

Application: Suitable for use in seawater

规格Specification	尺寸Size	标准Standard	材质Material
DN40	1 $\frac{1}{2}$ "	NH(NSTT)	黄铜brass
DN50	2"		
DN65	2 $\frac{1}{2}$ "		



HXXF-35美式水带接口扳手 SPANNER FOR ANSI HOSE COUPLING

适用范围: 用于连接水带与水枪

Application: Used to connect hose and nozzle.

规格Specification	标准Standard	材质Material
DN40	NH(NSTT)	黄铜Brass
DN50		
DN65		



HXXF-36中岛式消防水带接头 NAKAJIMA HOSE COUPLINGS

适用范围：用于连接水带与水枪，适用介质为海水

Application: used to connect hose and nozzle, Suitable for use in seawater

国际编码 IMPA code	规格 Specification	尺寸Size			材质Material	认证Approvals
		φA=mm	φB=mm	L=mm		
330851		61	38	45	黄铜Brass	CCS
330852		74	52	55		
330853		92	64	58		



HXXF-37中岛式适配器接头 NAKAJIMA ADAPTER JOINT

适用范围：适用介质为海水

Application: Suitable for use in seawater

国际编码 IMPA code	规格 Specification	尺寸Size		材质Material
		φA=mm	G=英寸	
330851	DN40	61	1 1/2"	黄铜Brass
330852	DN50	74	2"	
330853	DN65	92	2 1/2"	



HXXF-38中岛式闷盖NAKAJIMA SPANNER BLANKING CAPS

适用范围：适用介质为海水

Application: Suitable for use in seawater

国际编码 IMPA code	规格 Specification	尺寸Size		材质Material
		φA=mm		
330851	DN40	61		黄铜Brass
330852	DN50	74		
330853	DN65	92		



HXXF-39中岛式水带接口扳手 SPANNER FOR NAKAJIMA HOSE COUPLING

适用范围：用于连接水带与水枪

Application: used to connect hose and nozzle.

规格 Specification	尺寸Size			材质Material
	φA=mm	φB=mm	L=mm	
DN40	61	38	45	黄铜Brass
DN50	74	52	55	
DN65	92	64	58	

消防员装备

FIREMAN'S OUTFIT



HXXF-40 手提式泡沫装置
产品特点：手提式泡沫枪装置包括一具能以消防水带连接消防总管的自吸式泡沫枪，连同一只能盛20L泡沫液的可携式容器和一只能盛相同容量泡沫液的备用容器。
采用标准：符合SOLAS 1974及其最新修正案；符合CB/T 3571
水和泡沫混合液比例：3.00%-3.90%
混合液流量：(8±10%)L/S
喷射距离：≥20m
认证：CCS/EC
HXXF-40 PORTABLE FOAM APPLICATOR
Characteristic: Portable foam includes a fire hose can be connected to consumer Anti-Explorer self-priming foam gun, along with a can filled 20L portable foam liquid Containing only the same container and a liquid capacity of the foam in a spare container.
Standard: Conform to SOLAS1974 and its latest amendment, conform to CB/T3571.
The proportion of water and foam mixture: 3.00%-3.90%
Mixed liquid flow: (80%)L/S
Spray distance: ≥20m
Approvals: CCS/EC



HXXF-41泡沫枪玻璃钢箱子
材质：玻璃钢
外形尺寸：610mm*470mm*600mm
HXXF-41 PORTABLE FOAM APPLICATOR BOX
Material: FRP
Size: 610mm*470mm*600mm



HXXF-44水雾枪
WATER FOG APPLICATOR

规格 Specification	国际编码 IMPA code	工作压力 Working Pressure	流量 Flow	认证 Certificate
DN40	33 08	3.5bar	≥210L/min	CCS/EC
DN50				
DN65				



HXXF-47直升机安全装备
红色应急信号灯、大斧、撬棒、可调扳手、防火毯、60CM螺栓刀具、抢救钩、高负荷钢锯(配有6把备用锯条)、人字梯、5MM直径起重绳、侧剪钳子、全套分类螺丝刀、带有可配挂鞘的工具刀、急救箱
HXXF-47 HELICOPTER SAFETY EQUIPMENT
Red Emergency Signal Lamp, Large Axe, Crowbar, Adjustable Wrench, Fire Resistant Blanket, 60cm Bolt/Wire Cutters, Grad or salcing Hook, Heavy Duty Hacksaw(Complete with 6 spare blades) ,Ladder, Life line, Side cutting pilers, Set of assorted screwdrivers, Harness knife complete with Sheath, First aid kit.





HXXF-48集装箱喷雾水枪
符合标准：MSC.365(93)修正案
材质：冲击锤：45#钢（表面镀镍）；
喷雾水枪：316不锈钢
公称压力：0.6Mpa
喷射流量：≥50L/min ±8%
射程：≥6m ±8%
冲击锤长度：480±5mm
喷雾枪长度：520±5mm
HXXF-48 WATER MIST LANCE FOR CONTAINER
Standards: conform to MSC.365(93) as amendment
Material: Hammer-carbon steel (nickel-plated)
Water Mist Lance: SS316
Nominated pressure: 0.6Mpa
Jetting flow rate: ≥50L/min ±8%
Range: ≥6m ±8%
Hammer: 480±5mm
Water Mist Lance: 520±5mm



PSYC17/04移动式消防水炮
适用范围：
此消防炮用于对露天甲板或其上方载运五层或五层以上集装箱的甲板载货区域进行保护。
产品特点：
该消防炮主体材料全部采用316不锈钢和铜合金耐海水腐蚀的材料，且性能符合MSC.1/Circ1472决议案的要求。
产品认证：
1. 通过欧共体CE认证；
2. 通过中国船级社“CCS”认证。
PSYC17/04 MOBILE WATER MONITER
Scope of application:
The mobile water monitor is used to protect open deck or deck cargo areas where stow five layers or more of containers and ensure water barrier can be formed in between the neighbor containers in fire accident.
Product characteristics :
The main materials of the water monitor are made of SS316 stainless steel and anti-corrosion copper alloy. Its performance meets the requirements of resolution MSC.1 / Circ1472.
Production authentication:
1. Approved by CE.
2. Approved by CCS (China Classification Society).

喷射介质 Spray medium	海水/淡水 Sea water/ fresh water
流量 Flow	≥ 1000L/min
射程 Jetting range	≥ 40m
额定工作压力Rating pressure	0.4 MPa
旋转范围 rotation range	水平：270°/垂直0~+90° Horizontal:270°/Vertical 0~+90°
控制方式 Control mode	手动 /Manual operation
喷射型式 Jetting type	直流/喷雾 Jet/Spray
入口规格 Inlet type	DN40; DN50; DN65
油漆颜色 painting color	消防红 RED RAL3000

消防员装备 FIREMAN'S OUTFIT



HXXF-46A 灭火器存放箱
尺寸: 755mm*305mm*225mm
材料: 玻璃钢
HXXF-46A EXTINGUISHER BOX
Size: 755mm*305mm*225mm
Material: FRP



HJF-47 黄沙箱
尺寸: 500mm*300mm*300mm
材料: 玻璃钢
HJF-47 STAND BOX
size: 500mm*300mm*300mm
Material: FRP



HJF-47T 黄沙箱
尺寸: 460mm*300mm*300mm
材料: 不锈钢
HJF-47T STAND BOX
size: 460mm*300mm*300mm
Material: Stainless steel



MT/5 CO₂ 灭火器5kg
外径: 155mm
最大工作压力: 17Mpa
测试压力: 25Mpa
最小壁厚: ≥3.0mm
材质: 合金钢
灭火等级: 34B
采用标准: CCS/ZY/EC
MT/5 CO₂ FIRE EXTINGUISHER 5kg
Diameter: 155mm
Maximum working pressure: 17Mpa
Test pressure: 25Mpa
Minimum wall thickness: ≥ 3.0mm
Material: Steel
Fire Rating: 34B
Standard: CCS / ZY / EC



MT/7 CO₂ 灭火器7kg
外径: 155mm
最大工作压力: 17Mpa
测试压力: 25Mpa
最小壁厚: ≥3.4mm
材质: 合金钢
灭火等级: 55B
采用标准: CCS/ZY/EC
MT/7 CO₂ FIRE EXTINGUISHER 7kg
Diameter: 155mm
Maximum working pressure: 17Mpa
Test pressure: 25Mpa
Minimum wall thickness: ≥ 3.4mm
Material: Alloy Steel
Fire Rating: 55B
Standard: CCS / ZY / EC



MFZ/ABC 5kg 干粉灭火器
外径: 150mm
最大工作压力: 1.2Mpa
环境温度: -20℃~+55℃
测试压力: 2.1Mpa
最小壁厚: ≥1.3mm
材质: 碳钢
灭火等级: 3A89B
采用标准: CCS/ZY/EC
**MFZ/ABC 5kg POWDER
FIRE EXTINGUISHER**
Diameter: 150mm
Maximum working pressure: 1.2Mpa
Ambient temperature: -20℃~+55℃
Test pressure: 2.1Mpa
Minimum wall thickness: ≥1.3mm
Material: Carbon Steel
Fire Rating: 3A89B
Standard: CCS / ZY / EC



MFZ/ABC 6kg 干粉灭火器
 外径: 150mm
 最大工作压力: 1.2Mpa
 环境温度: -20℃~+55℃
 测试压力: 2.1Mpa
 最小壁厚: ≥1.4mm
 材质: 碳钢
 灭火等级: 3A89B
 采用标准: CCS/ZY/EC
MFZ/ABC 6kg POWDER FIRE EXTINGUISHER
 Diameter: 150mm
 Maximum working pressure: 1.2Mpa
 Ambient temperature: -20℃~+55℃
 Test pressure: 2.1Mpa
 Minimum wall thickness: ≥1.3mm
 Material: Carbon Steel
 Fire Rating: 3A89B
 Standard: CCS / ZY / EC



MFZ/ABC 35kg 推车式干粉灭火器
 外径: 325mm
 最大工作压力: 1.2Mpa
 环境温度: -20℃~+55℃
 测试压力: 2.1Mpa
 最小壁厚: ≥3.8mm
 材质: 碳钢
 灭火等级: 6A183B
 采用标准: CCS/ZY/EC
**MFZ/ABC 35kg WHEELED POWDER
 FIRE EXTINGUISHER**
 Diameter: 325mm
 Maximum working pressure: 1.2Mpa
 Ambient temperature: -20℃~+55℃
 Test pressure: 2.1Mpa
 Minimum wall thickness: ≥3.8mm
 Material: Carbon Steel
 Fire Rating: 6A183B
 Standard: CCS / ZY / EC



MFZ/ABC 8kg 干粉灭火器
 外径: 164mm
 最大工作压力: 1.2Mpa
 环境温度: -20℃~+55℃
 测试压力: 2.1Mpa
 最小壁厚: ≥2.5mm
 材质: 碳钢
 灭火等级: 4A144B
 采用标准: CCS/ZY/EC
MFZ/ABC 8kg POWDER FIRE EXTINGUISHER
 Diameter: 164mm
 Maximum working pressure: 1.2Mpa
 Ambient temperature: -20℃~+55℃
 Test pressure: 2.1Mpa
 Minimum wall thickness: ≥2.5mm
 Material: Carbon Steel
 Fire Rating: 4A144B
 Standard: CCS / ZY / EC

消防员装备 FIREMAN'S OUTFIT



MFZ/ABC 50kg 推车式干粉灭火器
外径: 406mm
最大工作压力: 1.2Mpa
环境温度: -20℃ ~ +55℃
测试压力: 2.1Mpa
最小壁厚: ≥ 1.3mm
材质: 碳钢
灭火等级: 10A233B
采用标准: CCS/ZY/EC
**MFZ/ABC 50kg WHEELED POWDER
FIRE EXTINGUISHER**
Diameter: 406mm
Maximum working pressure: 1.2Mpa
Ambient temperature: -20℃ ~ +55℃
Test pressure: 2.1Mpa
Minimum wall thickness: ≥ 1.3mm
Material: Carbon Steel
Fire Rating: 10A233B
Standard: CCS / ZY / EC



MSZ/6 6L 泡沫灭火器
外径: 150mm
最大工作压力: 2.1Mpa
环境温度: 5℃ ~ +55℃
测试压力: 2.1Mpa
最小壁厚: ≥ 1.4mm
材质: 碳钢
灭火等级: 1A55B
采用标准: CCS/ZY/EC
MSZ/6 6L FOAM EXTINGUISHER
Diameter: 150mm
Maximum working pressure: 2.1Mpa
Ambient temperature: 5℃ ~ +55℃
Test pressure: 2.1Mpa
Minimum wall thickness: ≥ 1.4mm
Material: Carbon Steel
Fire Rating: 1A55B
Standard: CCS / ZY / EC



MSZ/9 9L 泡沫灭火器
外径: 180mm
最大工作压力: 1.2Mpa
环境温度: 5℃ ~ +55℃
测试压力: 2.1Mpa
最小壁厚: ≥ 2.5mm
材质: 碳钢
灭火等级: 2A89B
采用标准: CCS/ZY/EC
MSZ/9 9L FOAM EXTINGUISHER
Diameter: 180mm
Maximum working pressure: 1.2Mpa
Ambient temperature: 5℃ ~ +55℃
Test pressure: 2.1Mpa
Minimum wall thickness: ≥ 2.5mm
Material: Carbon Steel
Fire Rating: 2A89B
Standard: CCS / ZY / EC



MSZ/45 45L推车式泡沫灭火器

外径: 325mm

最大工作压力: 1.2Mpa

环境温度: 5℃~+55℃

测试压力: 2.1Mpa

最小壁厚: ≥2.8mm

材质: 碳钢

灭火等级: 4A183B

采用标准: CCS/ZY/EC

MSZ/45 45L WHEELED FOAM
EXTINGUISHER

Diameter: 325mm

Maximum working pressure: 1.2Mpa

Ambient temperature: 5℃~+55℃

Test pressure: 2.1Mpa

Minimum wall thickness: ≥2.8mm

Material: Carbon Steel

Fire Rating: 4A183B

Standard: CCS / ZY / EC



MSZ/65 65L推车式泡沫灭火器

外径: 406mm

最大工作压力: 1.2Mpa

环境温度: 5℃~+55℃

测试压力: 2.1Mpa

最小壁厚: ≥2.8mm

材质: 碳钢

灭火等级: 6A233B

采用标准: CCS/ZY/EC

MSZ/65 65L WHEELED FOAM
EXTINGUISHER

Diameter: 406mm

Maximum working pressure: 1.2Mpa

Ambient temperature: 5℃~+55℃

Test pressure: 2.1Mpa

Minimum wall thickness: ≥2.8mm

Material: Carbon Steel

Fire Rating: 6A233B

Standard: CCS / ZY / EC

消防员装备

FIREMAN'S OUTFIT



MSZ/135 135L推车式泡沫灭火器
外径：406mm
最大工作压力：1.2Mpa
环境温度：5℃~+55℃
测试压力：2.1Mpa
最小壁厚：≥2.8mm
材质：碳钢
灭火等级：10A297B
采用标准：CCS/ZY/EC
MSZ/135 135L WHEELED FOAM
EXTINGUISHER
Diameter: 406mm
Maximum working pressure: 1.2Mpa
Ambient temperature: 5℃~+55℃
Test pressure: 2.1Mpa
Minimum wall thickness: ≥2.8mm
Material: Carbon Steel
Fire Rating: 10A297B
Standard: CCS / ZY / EC



HXXF-42 5kg/6kg 灭火器支架
HXXF-42 5kg/6kg FIRE EXTINGUISHER BRACKET

型号Type	材质Material	表面处理Surface treatment
HXXF-42	铁Steel	喷塑spray powder
HXXF-42A	不锈钢Stainless Steel	
HXXF-42L	铝Aluminum	



HXXF-43 9L 灭火器支架
HXXF-43 9L FIRE EXTINGUISHER BRACKET

型号Type	材质Material	表面处理Surface treatment
HXXF-43	铁Steel	喷塑spray powder
HXXF-43A	不锈钢Stainless Steel	
HXXF-43L	铝Aluminum	

船用信号系列
MARINE SIGNAL SERIES



救生信号 LIFE-SAVING SIGNAL



HXH-1火箭降落伞火焰信号

采用标准：符合SOLAS 1974及其最新修正案。

认证：CCS/EC/ZY

发光强度：30000cd

燃烧颜色：红色

发射高度：≥300m

燃烧时间：≥40s

有效期：3年

HXH-1 ROCKET PARACHUTE SIGNAL

Standard: In accordance with SOLAS 1974 and the latest amendment

Approvals: CCS/EC/ZY

Luminous intensity: 30000cd

Color of Flare: Red

Launching height: ≥300m

Flare duration: ≥40s

Validity period: 3 years



HJF-5雾钟

直径：200MM/300MM

声级：≥110dB

材质：黄铜

HJF-5 FOG BELL

Diameter: 200MM/300MM

Audio grade: ≥110dB

Material: Brass



HXH-2漂浮烟雾信号

采用标准：符合SOLAS 1974及其最新修正案。

认证：CCS/EC/ZY

吸烟时间：≥3min

烟雾颜色：橙色

有效期：3年

HXH-2 BUOYANT SMOKE SIGNAL

Standard: In accordance with SOLAS 1974 and the latest amendment

Approvals: CCS/EC/ZY

Smoke duration: ≥3min

Color of Smoke: Orange

Validity period: 3 years



HXH-3 手持火焰信号

采用标准：符合SOLAS 1974最新修正案。

认证：CCS/EC/ZY

发光强度：15000cd

燃烧颜色：红色

燃烧时间：≥60smin

有效期：3年

HXH-3 HAND FLARE SIGNAL

Standard: In accordance with SOLAS 1974 and the latest amendment

Approvals: CCS/EC/ZY

Luminous intensity: 15000cd

Color of Flare: Red

Flare duration: ≥60smin

Validity period: 3 years



HJF-6铜锣

直径：Φ400/Φ460/Φ600

声级：≥110dB

材质：黄铜

HJF-6 BRASS GONG

Diameter: Φ400/Φ460/Φ600

Audio grade: ≥110dB

Material: Brass

抛绳装置 LINE-THROWING APPLIANCE

HXH-4 抛绳器

产品特点： 装在防水壳内的由手枪发射的火箭和抛绳绳组成整体的组件。
采用标准： 符合SOLAS 1974及其最新修正案。

认证： CCS/EC/ZY

抛射距离： $\geq 230\text{m}$

抛绳长度： 270m

抛绳破断强度： $\geq 2.0\text{KN}$

HXH-4 LINE-THROWING UNIT

Product feature: Each unit is composed of rocket and throwing line ,which are contained in a watertight case

Standard: In accordance with SOLAS 1974 and the latest amendment

Approvals: CCS/EC

Project distance: $\geq 230\text{m}$

Length of throwing line: 270m

Line-throwing intensity: $> 2.0\text{KN}$



HXH-5 抛绳枪

产品特点： 一个抛绳枪不少于4个抛绳体和4根抛绳绳。

采用标准： 符合SOLAS 1974及其最新修正案。

认证： CCS/EC

抛射距离： $\geq 230\text{m}$

抛绳长度： 270m

抛绳破断强度： $\geq 2.0\text{KN}$

HXH-5 LINE-THROWING APPLIANCE

Application: Each line-throwing appliance is including not less than 4pcs projectile and 4 lines

Standard: In accordance with SOLAS 1974 and the latest amendment

Approvals: CCS/EC

Project distance: $\geq 230\text{m}$

Length of throwing line: 270m

Line-throwing intensity: $\geq 2.0\text{KN}$

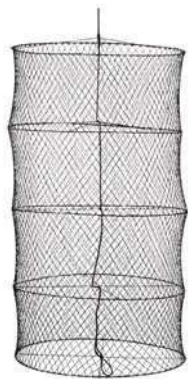
白昼信号 DAYLIGHT SIGNAL

采用标准: 符合1972年国际海上避碰规则2003综合文本

产品特点: 用黑绳编结而成。

Standard: According with 1972 the International Regulations for Preventing Collision at Sea 2003 Version.

Product feature: knited with black rope.



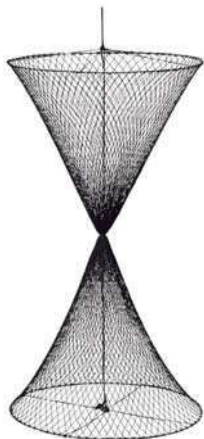
HXH-6 圆柱体信号CYLINDER SIGNAL
Φ600X1200



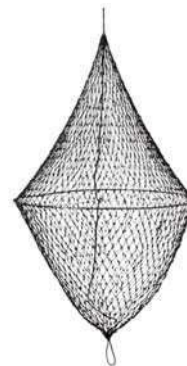
HXH-8 球体信号BALL SIGNAL
Φ600



HXH-9 圆锥体信号CONE SIGNAL
Φ600



HXH-7 双圆锥体信号DOUBLE CONE SIGNAL
Φ600X1200



HXH-10 菱形信号DIAMOND SIGNAL
Φ600X1200

HJF-37 六分仪

用途：航海六分仪是一种反射式光学测角仪器。

测量范围： $-5^{\circ} \sim +130^{\circ}$

测量误差： $\pm 20''$

最小读数： $12''$

使用温度范围： $-30 \sim 50^{\circ}\text{C}$

望远镜：3.5X 40

照明电压：3V

HJF-37 SEXTANT

Application: marine sextant is a reflective optical angle measuring instrument.

Range of measurement: $-5^{\circ} \sim +130^{\circ}$

Measuring error: $\pm 20''$

Least count: $12''$

Ambient temperature: $-30 \sim 50^{\circ}\text{C}$

Telescope: 3.5X 40

Lighting voltage: 3V



HJF-62 三杆分度仪

用途：在海图上进行三标两角法定位。

度盘直径：126.85mm

最小读数：1角分

标杆长度：630mm

HJF-62 THREE-BAR DIAGRAPH

Application: applied for three point problem on the chart

Diameter of circle: 126.85mm

Least count: 1 minute of arc

Length of pole: 630mm



HJF-65 船钟

石英谐振器：4.194304MHZ。

集成电路：脉宽46.87 5ms, 输出频率0.5Hz。

换能器：一对极偏心式步进电机，分针输出力矩大于 $8 \times 10^{-3} \text{Nm}$ 。

走时精度： $+23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 误差小于 $\pm 0.5\text{s/d}$ 。

使用温度范围： $-10^{\circ}\text{C} \sim +5^{\circ}\text{C}$

抗振动、性能：80 HZ, 2g

抗冲击性能：5g, 30分钟, 能正常工作。

防磁性能：不低于7奥斯特。

规格： $\Phi 228 \times 60\text{mm}$, 1kg

钟面直径： $\Phi 170\text{mm}$

HJF-65 SHIP'S CLOCK

Quartz resonator: 4.194304MHZ

IC: pulse width: 46.87 5ms, output frequency: 0.5Hz

Transducer: a pair of pole eccentric stepper motor, output torque of minute hand not less than $8 \times 10^{-3} \text{Nm}$

Travel time precision: $+23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ error $\pm 0.5\text{s/d}$

Ambient temperature: $-10^{\circ}\text{C} \sim +5^{\circ}\text{C}$

Anti-vibration: 80 HZ, 2g

Shock resistance: 5g, 30mins, proper functioning

Specification: $\Phi 228 \times 60\text{mm}$, 1kg

diagrameter: $\Phi 170\text{mm}$



国旗和国际信号旗

NATIONAL FLAG AND INTERNATIONAL SIGNAL FLAG

HXH-11国旗NATIONAL FLAG



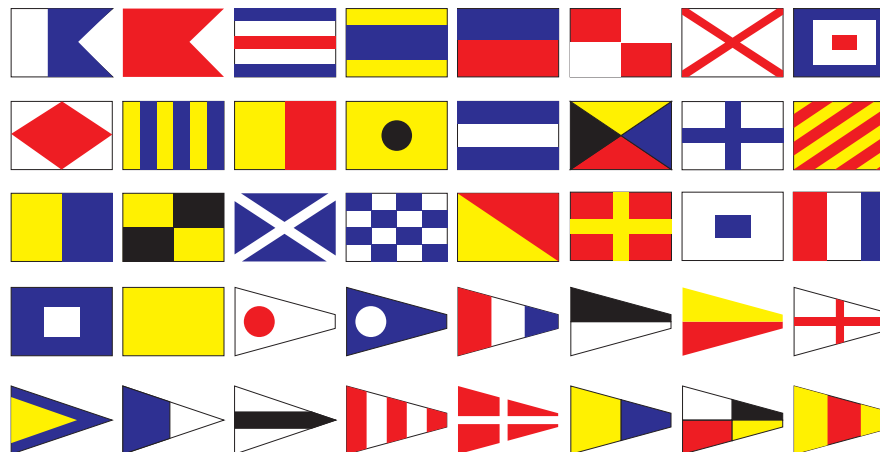
HXH-12 国际信号旗INTERNATIONAL SIGNAL FLAG

适用范围：适用于航海上表达各种信号的旗帜。

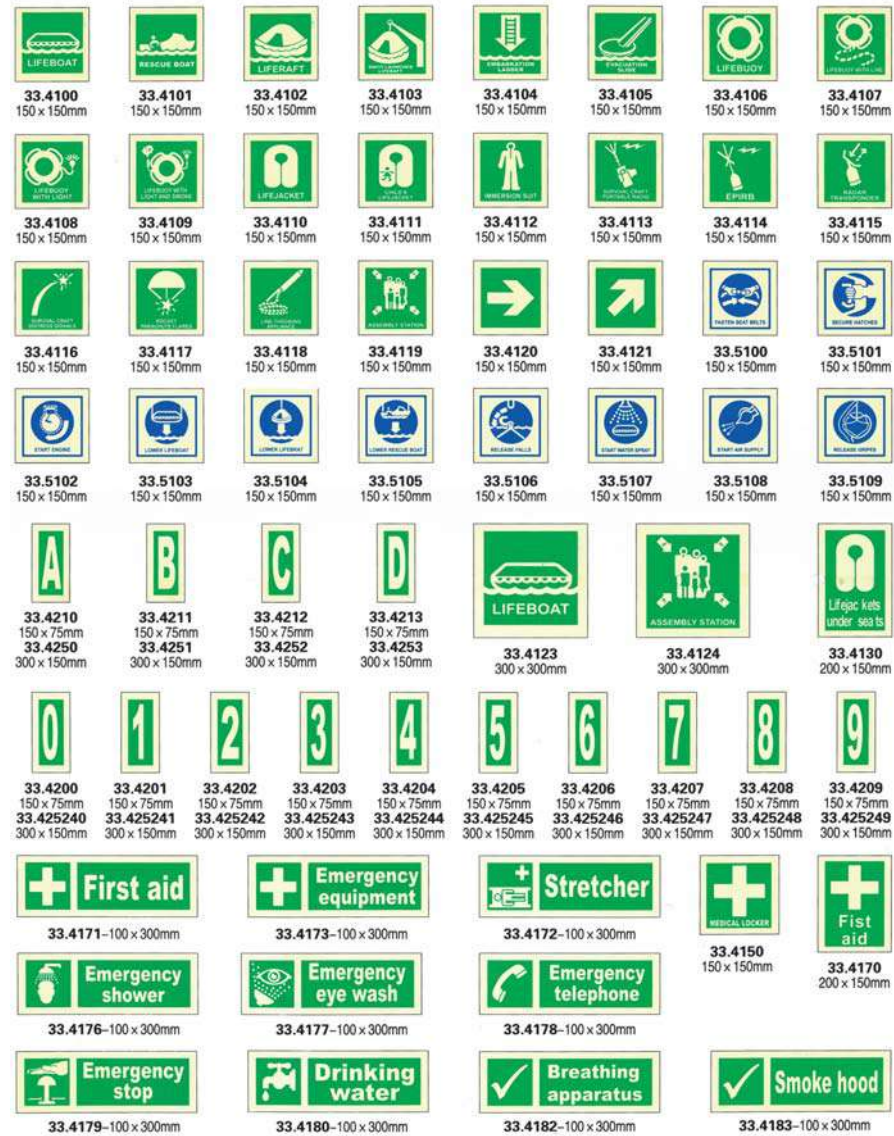
产品特点：旗帜面料为春秋汀；旗腰：白棉布；旗绳：腊棉绳。

Application: for semaphore in vessels

Product feature: Outside cloth: Cotton silk, middle of the flag: calico, flag Rope: cere cotton rope



Photoluminescent IMO Symbols & safety Signs



Photoluminescent Direction Signs



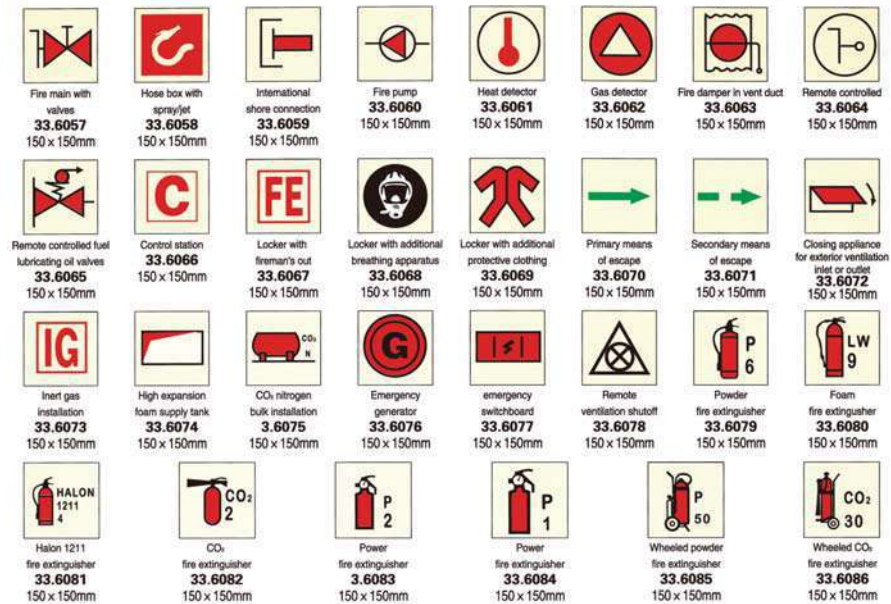
Photoluminescent Fire Equipment Signs



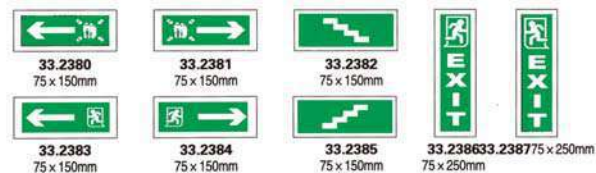
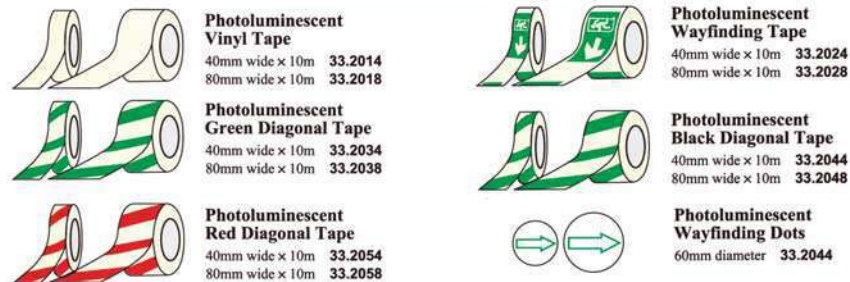
Photoluminescent IMO Fire Control Symbols

 Fire control plan 33.6001 150 x 150mm	 sh-button/Switch for fire alarm 33.6002 150 x 150mm	 Horn fire alarm 33.6003 150 x 150mm	 Bell fire alarm 33.6004 150 x 150mm	 Manually operated call point 33.6005 150 x 150mm	 Space protected by automatic fire alarm 33.6006 150 x 150mm	 Space protected by CO ₂ 33.6007 150 x 150mm	 CO ₂ horn 33.6008 150 x 150mm
 CO ₂ release station 33.6009 150 x 150mm	 Halon 1301 battery 33.6010 150 x 150mm	 Space protected by Halon 1301 33.6011 150 x 150mm	 Halon horn 33.6012 150 x 150mm	 Foam installation 33.6013 150 x 150mm	 Foam monitor (gun) 33.6014 150 x 150mm	 Foam nozzle 33.6015 150 x 150mm	 Space protected by foam 33.6016 150 x 150mm
 Foam valve 33.6017 150 x 150mm	 Foam release station 33.6018 150 x 150mm	 Emergency fire pump 33.6019 150 x 150mm	 Remote controlled fire pumps or emergency switches 33.6020 150 x 150mm	 Bilge pump 33.6021 150 x 150mm	 Emergency bilge pump 33.6022 150 x 150mm	 Water monitor (gun) 33.6023 150 x 150mm	 Water fog applicator 33.6024 150 x 150mm
 Emergency telephone station 33.6025 150 x 150mm	 Fire axe 33.6026 150 x 150mm	 Drenching installation 33.6027 150 x 150mm	 Space protected by drenching system 33.6028 150 x 150mm	 Section valves drenching 33.6029 150 x 150mm	 Fire station 33.6030 150 x 150mm	 'A' class division 33.6031 150 x 150mm	 'A' class fire door 33.6032 150 x 150mm
 'A' class fire door self-closing 33.6033 150 x 150mm	 'A' class fire door self-closing 33.6034 150 x 150mm	 'A' class fire door self-closing 33.6035 150 x 150mm	 Portable foam applicator 33.6036 150 x 150mm	 'B' class division 33.6037 150 x 150mm	 'B' class fire door self-closing 33.6038 150 x 150mm	 'B' class fire door self-closing 33.6039 150 x 150mm	 'B' class fire door self-closing 33.6040 150 x 150mm
 'B' class fire door self-closing 33.6041 150 x 150mm	 Main vertical zone 33.6042 150 x 150mm	 Fire alarm panel 33.6043 150 x 150mm	 Sprinkler installation 33.6044 150 x 150mm	 Space protected by sprinkler 33.6045 150 x 150mm	 Sprinkler horn 33.6046 150 x 150mm	 Sprinkler section valve 33.6047 150 x 150mm	 CO ₂ battery 33.6048 150 x 150mm
 Halon release station 33.6049 150 x 150mm	 Halon 1301 bottles in protected area 33.6050 150 x 150mm	 Powder installation 33.6051 150 x 150mm	 Powder monitor (gun) 33.6052 150 x 150mm	 Powder hose and hand gun 33.6053 150 x 150mm	 Powder release station 33.6054 150 x 150mm	 Flame detector 33.6055 150 x 150mm	 Smoke detector 33.6056 150 x 150mm

Photoluminescent IMO fire Control Symbols



Photoluminescent Tape



Low Location Lighting Signs

A range of signs sized to fit 75mm wide L.L.L. strips.
The signs are printed on clear, heavy duty vinyl which allows the photoluminescent L.L.L. strip to shine through, highlighting the printed symbol.

Offered in packs of ten.

Special and Combination white Vinyl Signs



Self Adhesive White Vinyl Signs



Self Adhesive Whit Vinyl Signs



荧光标识 FLUORESCENT MARK



510.01-332054
40MM×10M



510.02-332058
80MM×10M



510.03(L)-332024
40MM×10M



510.03(R)-332028
40MM×10M



510.04(L)-332028
80MM×10M



510.04(R)-332028
80MM×10M



510.05-332034
40MM×10M



506.06-332038
80MM×10M



510.07-332044
40MM×10M



510.08-332048
80MM×10M



510.09-332014
40MM×10M



510.10-332018
80MM×10M



510.13(L)-332028
40MM×10M



510.13(R)-332028
40MM×10M



510.14(L)-332028
80MM×10M



510.14(R)-332028
80MM×10M



510.15-332028
40MM×10M



510.16-332028
80MM×10M

船舶导航系列 SHIP NAVIGATION SERIES





CGF-180反射磁罗经

CGF-180 Reflector Magnetic Compass

我公司全新开发的反射磁罗经，样式美观大方，反射度盘清楚明亮。性能完全符合ISO 449和IMO等相关导航设备的标准和要求。磁罗经采用新一代的指向磁钢和校正磁钢，能大幅度提高磁罗经和传感器的精度。

Our company has developed entirely reflector magnetic compass. The product has the advantages of beautiful outline, clear and bright reflector dial, its performance are completely in accordance with the ISO 449 and IMO standard and requirement related to navigation equipment. The magnetic compass adopts new generational directional alnico and correctional alnico, it can raise the precision of magnetic compass and transducer by a large margin.



主要技术数据

项 目	数 据
刻度盘直径	Φ180毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃ ~ +60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤0.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥8.62 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤0.09°
主半圆自差校正能量	1° ~ 45°
次半圆自差校正能量	1° ~ 6° (磁倾角Q=45°)
象限自差校正能量	0.5° ~ 10°
倾斜自差校正能量	-75 ~ +75 μ T
镜筒伸缩范围	±100mm
度盘映像放大率	≈2倍(原度盘分度)
照明电源	AC 220V, DC 24V
外形尺寸	750 × 500 × 1380mm (镜筒长度不算)
安装孔尺寸	孔距442 孔径Φ24
总重量	82kg

Main technical parameters

Project	Data
Dial Diameter	Φ180mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃ ~ +60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤0.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥8.62 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤0.09°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Secondary semicircle self heterodyne correcting energy	1° ~ 6° (magnetic inclination Q=45°)
Quadrant self heterodyne correcting energy	0.5° ~ 10°
Inclining self heterodyne correcting energy	-75 ~ +75 μ T
Lens barrel flexing range	±100mm
Dial image expanding rate	≈2times (original dial graduation)
Lighting power supply	AC 220V, DC 24V
Outline Dimension	750 × 500 × 1380mm (Excluding the length of lens barrel)
Diameter of mounting holes	Pitch 442 Aperture Φ24
weight	82kg

CGT-165投影磁罗经
Type CGT-165 Projection Magnetic Compass

CGT-165投影磁罗经是根据国家标准GB/T 14108-2011《船用A级磁罗经通用技术条件》所设计和制造的一种性能优良、工作可靠的立式液体磁罗经，完全符合ISO 449和IMO相关导航设备的要求和标准。该产品具有高精度、性能稳定的特点，可以在船舶恶劣状态下长时间使用。并具有以下特点：

- 1、既是标准磁罗经，同时又兼做操舵磁罗经，克服了驾驶室内部面积缺乏难安装和在钢铁舱室中校正难的困难，并更有利于集控台的布置。
- 2、投影镜筒改为直接由驾驶室伸入到罗经底部，安装简单，维护方便，可随时拆卸清洁成像玻璃。

CGT-165 Projection Magnetic Compass is a sort of vertical liquid magnetic compass with excellent performance and reliable working. It is designed and manufactured in accordance with the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A) and completely accord with the demand and standard of the relevant navigation equipment regulated by ISO449 and IMO. The product has the characteristics of high precision and steady performance and can be used for long time under inclement weather at ship sailing. It has the following characteristics:

- 1、It is the standard magnetic compass as well as concurrently acting as steering magnetic compass and overcome the difficulties that the wheelhouse is lack of area for mounting and it is difficult correcting in the steel cabin. It is useful for the arrangement of console.
- 2、The projective tube is changed directly inserting in the bottom of the compass from the wheelhouse. The advantages of it are simple installation, convenient maintenance and may disassemble the clean imaging glass at any moment.



主要技术数据

项 目	数 据
刻度盘直径	Φ165毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃~+60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤ 0.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥ 8.62 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤ 0.09°
主半圆自差校正能量	1° ~ 45°
次半圆自差校正能量	1° ~ 6° (磁倾角Q=45°)
象限自差校正能量	0.5° ~ 10°
倾斜自差校正能量	- 75 ~ + 75 μ T
镜筒伸缩范围	± 10mm
度盘映像放大率	≈ 2倍 (原度盘分度)
照明电源	AC 220V, DC 24V
外形尺寸	720 × 430 × 1300mm(镜筒长度不算)
安装孔尺寸	孔距420 孔径Φ16
总重量	70kg

Main technical parameters

Project	Data
Dial Diameter	Φ165mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃~+60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤ 0.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥ 8.62 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤ 0.09°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Secondary semicircle self heterodyne correcting energy	1° ~ 6° (magnetic inclination Q=45°)
Quadrant self heterodyne correcting energy	0.5° ~ 10°
Inclining self heterodyne correcting energy	- 75 ~ + 75 μ T
Lens barrel flexing range	± 10mm
Dial image expanding rate	≈ 2times (original dial graduation)
Lighting power supply	AC 220V, DC 24V
Outline Dimension	720 × 430 × 1300mm (Excluding the length of lens barrel)
Diameter of mounting holes	Pitchrow 420 Aperture Φ16
weight	70kg



CPL-190立式磁罗经

Type CPL-190 Vertical Magnetic Compass

CPL-190立式磁罗经是根据国家标准GB/T 14108-2011《船用A级磁罗经通用技术条件》设计和制造的一种A级透明液体磁罗经。适用于大、中型船舶作标准罗经或操舵罗经用，用于测定方位，指示航向。具有精度高、校差方便、性能稳定、照明清晰等优点。

CPL-190 vertical Magnetic Compass is a sort of class A transparent liquid magnetic compass. It is designed and manufactured in accordance with the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A). The magnetic compass is suitable for the large and middle vessels acting as standard compass or steering compass and is used for measuring azimuth and indicating course heading. The product has the advantages of high precision, convenient correcting difference, steady performance and legible lighting etc.



主要技术数据

项 目	数 据
刻度盘直径	Φ190毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃ ~ +60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤ 0.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥ 8.62 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤ 0.09°
主半圆自差校正能量	1° ~ 45°
次半圆自差校正能量	1° ~ 6° (磁倾角Q=45°)
象限自差校正能量	0.5° ~ 10°
倾斜自差校正能量	- 75 ~ + 75 μ T
照明电源	AC 220V, DC 24V
外形尺寸	720 × 430 × 1300mm
安装孔尺寸	孔距420 孔径Φ16
总重量	40kg

Main technical parameters

Project	Data
Dial Diameter	Φ190mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃ ~ +60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤ 0.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥ 8.62 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤ 0.09°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Secondary semicircle self heterodyne correcting energy	1° ~ 6° (magnetic inclination Q=45°)
Quadrant self heterodyne correcting energy	0.5° ~ 10°
Inclining self heterodyne correcting energy	- 75 ~ + 75 μ T
Lighting power supply	AC 220V, DC 24V
Outline Dimension	720 × 430 × 1300mm
Diameter of mounting holes	Pitchrow 420 Aperture Φ16
weight	40kg

CPT-190台式磁罗经

Type CPT-190 Table Model Magnetic Compass

CPT-190磁罗经是一种台式液体磁罗经。它可供中、小型船舶作操舵罗经用。其技术性能指标完全是根据国家标准GB/T 14108-2011《船用A级磁罗经通用技术条件》所设计制造的A级磁罗经。它具有外形美观、精度高、校差方便、性能稳定、照明清晰等优点。它是中、小型船舶必备的助航仪器。

CPT-190 Magnetic Compass is a sort of table model liquid magnetic compass. It is used for the middle and small vessels acting as steering compass. The compass is a magnetic compass class A and it is designed and manufactured on the basis of the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A), its technical performance index are completely in accordance with the national standard. The product has the advantages of beautiful outline, high precision, convenient correcting difference, steady performance and legible lighting etc. It is the essential navigation instrument for the middle and small vessels.



主要技术数据

项 目	数 据
刻度盘直径	Φ190毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃~60℃
指向误差(H=35 μ T, T=20±3℃)	≤0.5°
半周期(H=35 μ T, T=20±3℃)	≥8.62 S
摩擦误差(H=35 μ T, T=20±3℃)	≤0.09°
主半圆自差校正能量	1° ~ 45°
象限自差校正能量	0.5° ~ 10°
倾斜自差校正能量	-75 ~ +75 μ T
照明电源	AC 220V, DC 24V
外形尺寸	750 × 346 × 570mm
安装孔尺寸	孔距275 孔径Φ12
总重量	27kg

Main technical parameters

Project	Data
Dial Diameter	Φ190mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃~60℃
Indicating deviation (H=35 μ T, T=20±3℃)	≤0.5°
Half period (H=35 μ T, T=20±3℃)	≥8.62 S
Friction deviation (H=35 μ T, T=20±3℃)	≤0.09°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Quadrant self heterodyne correcting energy	0.5° ~ 10°
Inclining self heterodyne correcting energy	-75 ~ +75 μ T
Lighting power supply	AC 220V, DC 24V
Outline Dimension	750 × 346 × 570mm
Diameter of mounting holes	Pitch 275 Aperture Φ12
weight	27kg



CPL-165立式磁罗经

Type CPL-165 Vertical Magnetic Compass

CPL-165立式磁罗经是根据国家标准GB/T 14108-2011《船用A级磁罗经通用技术条件》设计和制造的一种A级透明液体磁罗经。适用于大、中型船舶作标准罗经或操舵罗经用，用于测定方位，指示航向。具有精度高、校差方便、性能稳定、照明清晰等优点。

CPL-165vertical Magnetic Compass is a sort of class A transparent liquid magnetic compass. It is designed and manufactured in accordance with the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A). The magnetic compass is suitable for the large and middle vessels acting as standard compass or steering compass and is used for measuring azimuth and indicating course heading. The product has the advantages of high precision、convenient correcting difference、steady performance and legible lighting etc.



主要技术数据

项 目	数 据
刻度盘直径	Φ165毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃~+60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤0.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥8.62 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤0.09°
主半圆自差校正能量	1° ~ 45°
次半圆自差校正能量	1° ~ 6° (磁倾角Q=45°)
象限自差校正能量	0.5° ~ 10°
倾斜自差校正能量	-75 ~ +75 μ T
照明电源	AC 220V, DC 24V
外形尺寸	720 × 430 × 1200mm
安装孔尺寸	孔距420 孔径Φ16
总重量	33kg

Main technical parameters

Project	Data
Dial Diameter	Φ165mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃~+60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤0.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥8.62 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤0.09°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Secondary semicircle self heterodyne correcting energy	1° ~ 6° (magnetic inclination Q=45°)
Quadrant self heterodyne correcting energy	0.5° ~ 10°
Inclining self heterodyne correcting energy	-75 ~ +75 μ T
Lighting power supply	AC 220V, DC 24V
Outline Dimension	720 × 430 × 1200mm
Diameter of mounting holes	Pitchrow 420 Aperture Φ16
weight	33kg

CPT – 130A台式磁罗经

Type CPT-130A Table Model Magnetic Compass

CPT – 130A磁罗经是一种台式液体磁罗经。
是我公司依据国家标准 GB/T 14108 – 2011《船用A级磁罗经通用技术条件》所设计制造的A级磁罗经。其结构简单、功能齐全、校差方便、指向准确、稳定可靠，适用于大中型机帆船和小型钢质船舶作操舵罗经用。

CPT-130A Magnetic Compass is a sort of table model liquid magnetic compass. The compass is a magnetic compass class A and it is designed and manufactured in accordance with the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A), The product has the advantages of simple structure、complete function、convenient correcting difference、accurate direction、stabilization and reliable. The magnetic compass is suitable for the large and middle motorized fishing boats and small steel vessels acting as steering compass.



主要技术数据

项 目	数 据
刻度盘直径	Φ130毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃~60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤1.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥5.59 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤0.26°
主半圆自差校正能量	1° ~ 45°
象限自差校正能量	0.5° ~ 7°
倾斜自差校正能量	- 75 ~ + 75 μ T
照明电源	DC 24V
外形尺寸	390 x 240 x 370mm
安装孔尺寸	孔距214 孔径Φ12
总重量	7.5kg

Main technical parameters

Project	Data
Dial Diameter	Φ130mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃~60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤1.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥5.59 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤0.26°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Quadrant self heterodyne correcting energy	0.5° ~ 7°
Inclining self heterodyne correcting energy	- 75 ~ + 75 μ T
Lighting power supply	DC 24V
Outline Dimension	390 x 240 x 370mm
Diameter of mounting holes	Pitchrow 214 Aperture Φ12
weight	7.5kg

CPT-165A台式磁罗经

Type CPT-165A Table Model Magnetic Compass



CPT-165A磁罗经是一种台式液体磁罗经。它可供中、小型船舶作操舵罗经用。其技术性能指标完全是根据国家标准GB/T 14108-2011《船用A级磁罗经通用技术条件》所设计制造的A级磁罗经。它具有外形美观、精度高、校差方便、性能稳定、照明清晰等优点。它是中、小型船舶必备的助航仪器。

CPT-165A Magnetic Compass is a sort of table model liquid magnetic compass. It is used for the middle and small vessels acting as steering compass. The compass is a magnetic compass class A and it is designed and manufactured on the basis of the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A), its technical performance index are completely in accordance with the national standard. The product has the advantages of beautiful outline, high precision, convenient correcting difference, steady performance and legible lighting etc. It is the essential navigation instrument for the middle and small vessels.

主要技术数据

项 目	数 据
刻度盘直径	Φ165毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃~60℃
指向误差(H=35 μ T, T=20±3℃)	≤0.5°
半周期(H=35 μ T, T=20±3℃)	≥8.62 S
摩擦误差(H=35 μ T, T=20±3℃)	≤0.09°
主半圆自差校正能量	1° ~ 45°
象限自差校正能量	0.5° ~ 10°
倾斜自差校正能量	-75 ~ +75 μ T
照明电源	AC 220V, DC 24V
外形尺寸	730 × 326 × 570mm
安装孔尺寸	孔距270 孔径Φ12
总重量	23kg

Main technical parameters

Project	Data
Dial Diameter	Φ165mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃~60℃
Indicating deviation (H=35 μ T, T=20±3℃)	≤0.5°
Half period (H=35 μ T, T=20±3℃)	≥8.62 S
Friction deviation (H=35 μ T, T=20±3℃)	≤0.09°
Main semicircle self heterodyne correcting energy	1° ~ 45°
Quadrant self heterodyne correcting energy	0.5° ~ 10°
Inclining self heterodyne correcting energy	-75 ~ +75 μ T
Lighting power supply	AC 220V, DC 24V
Outline Dimension	730 × 326 × 570mm
Diameter of mounting holes	Pitchrow 270 ApertureΦ12
weight	23kg

CPT – 130B台式磁罗经

Type CPT-130B Table Model Magnetic Compass

CPT – 130B磁罗经是一种台式液体磁罗经。是我公司依据国家标准 GB/T 14108 – 2011《船用A级磁罗经通用技术条件》所设计制造的A级磁罗经。其结构简单、功能齐全、校差方便、指向准确、稳定可靠，适用于大中型机帆船渔船和小型钢质船舶作操舵罗经用。

CPT-130B Magnetic Compass is a sort of table model liquid magnetic compass. The compass is a magnetic compass class A and it is designed and manufactured in accordance with the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A). The product has the advantages of simple structure, complete function, convenient correcting difference, accurate direction, stabilization and reliable. The magnetic compass is suitable for the large and middle motorized fishing boats and small steel vessels acting as steering compass.



主要技术数据

项 目	数 据
刻度盘直径	Φ 130毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-25℃ ~ 60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤ 1.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥ 5.59 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤ 0.26°
主半圆自差校正能量	1° ~ 40°
象限自差校正能量	1° ~ 5°
照明电源	DC 24V
外形尺寸	380 × 240 × 330mm
安装孔尺寸	孔距155 孔径Φ 10
总重量	5.5kg

Main technical parameters

Project	Data
Dial Diameter	Φ 130mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-25℃ ~ 60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤ 1.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥ 5.59 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤ 0.26°
Main semicircle self heterodyne correcting energy	1° ~ 40°
Quadrant self heterodyne correcting energy	1° ~ 5°
Lighting power supply	DC 24V
Outline Dimension	380 × 240 × 330mm
Diameter of mounting holes	Pitch 155 Aperture Φ 10
weight	5.5kg

CPT-130D台式磁罗经

Type CPT-130D Table Model Magnetic Compass



CPT-130D磁罗经是一种台式液体磁罗经。是我公司依据国家标准 GB/T 14108-2011《船用A级磁罗经通用技术条件》所设计制造的A级磁罗经。其结构简单、功能齐全、校差方便、指向准确、稳定可靠，适用于小型机帆船和小型钢质船舶作操舵罗经用。

CPT-130D Magnetic Compass is a sort of table model liquid magnetic compass. The compass is a magnetic compass class A and it is designed and manufactured in accordance with the national standard GB/T 14108-2011 (General Technical Terms of Marine Magnetic Compass Class A). The product has the advantages of simple structure、complete function、convenient correcting difference、accurate direction、stabilization and reliable. The magnetic compass is suitable for the steel motorized fishing boats and small steel vessels acting as steering compass.

主要技术数据

项 目	数 据
刻度盘直径	Φ130毫米
刻度盘分度	0° ~ 360° 每格1°
使用温度	-20℃ ~ 60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤1.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥5.59 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤0.26°
主半圆自差校正能量	1° ~ 40°
象限自差校正能量	1° ~ 5°
照明电源	DC 24V
外形尺寸	330 × 200 × 270mm
安装孔尺寸	孔距118 孔径Φ6.5
总重量	3kg

Main technical parameters

Project	Data
Dial Diameter	Φ130mm
Dial graduation	0° ~ 360° 1° for each grid
Using temperature	-20℃ ~ 60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤1.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥5.59 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤0.26°
Main semicircle self heterodyne correcting energy	1° ~ 40°
Quadrant self heterodyne correcting energy	1° ~ 5°
Lighting power supply	DC 24V
Outline Dimension	330 × 200 × 270mm
Diameter of mounting holes	Pitch 118 Aperture Φ6.5
weight	3kg

CX-65小艇磁罗经

CX-65 Small Boat Magnetic Compass

CX-65小艇磁罗经是我公司依据ISO 14227-2001《小艇磁罗经》标准所设计的优良液体磁罗经。它的实际度盘直径为65mm，但特有的球形罩能将其放大到85mm。其结构简单、使用方便、指向准确、灵敏度高、度盘清晰等优点，适用于游艇、救生艇、封闭艇等作指示航向或辨别方位用。

CX-65 small boat magnetic compass is a good liquid magnetic compass. The compass is designed and manufactured in accordance with ISO 14227-2001《Small Boat Magnetic Compass》standard. Its actual dial diameter is 65mm, but the special spherical cover magnifies it to 85mm. The product has the advantages of simple structure, convenient using, accurate direction, high sensitivity legible dial etc. It is suitable for yachts, lifesaving boats, enclosed boats indicating course heading or distinguishing azimuth.



CX-65磁罗经
CX-65 Magnetic Compass

主要技术数据

项 目	数 据	
	CX-65磁罗经	CX-65A磁罗经
刻度盘直径	Φ 65mm, 放大后为 Φ 85mm	Φ 65mm, 放大后为 Φ 85mm
刻度盘分度	0° ~ 360° 每格5°	0° ~ 360° 每格5°
使用温度	- 20℃ ~ 60℃	- 20℃ ~ 60℃
指向误差(H=35 μ T, T=20 ± 3℃)	≤ 1.5°	≤ 1.5°
半周期(H=35 μ T, T=20 ± 3℃)	≥ 3 S	≥ 3 S
摩擦误差(H=35 μ T, T=20 ± 3℃)	≤ 1°	≤ 1°
主半圆自差校正能量	0° ~ 30°	0° ~ 30°
照明电源	DC 24V(12V)	DC 24V(12V)
外形尺寸	135 × 135 × 135mm	130 × 130 × 150mm
安装孔尺寸	孔距124 孔径Φ 6	孔距115 孔径Φ 5
总重量	1kg	0.8kg



CX-65A磁罗经
CX-65A Magnetic Compass

Main technical parameters

Project	Data	
	CX-65 Magnetic Compass	CX-65A Magnetic Compass
Dial Diameter	Φ 65mm, magnifies Φ 85mm	Φ 65mm, magnifies Φ 85mm
Dial graduation	0° ~ 360° 5° for each grid	0° ~ 360° 5° for each grid
Using temperature	- 20℃ ~ 60℃	- 20℃ ~ 60℃
Indicating deviation (H=35 μ T, T=20 ± 3℃)	≤ 1.5°	≤ 1.5°
Half period (H=35 μ T, T=20 ± 3℃)	≥ 3 S	≥ 3 S
Friction deviation (H=35 μ T, T=20 ± 3℃)	≤ 1°	≤ 1°
Main semicircle self heterodyne correcting energy	0° ~ 30°	0° ~ 30°
Lighting power supply	DC 24V(12V)	DC 24V(12V)
Outline Dimension	135 × 135 × 135mm	130 × 130 × 150mm
Diameter of mounting holes	Pitchrow 124 Aperture Φ 6	Pitchrow 115 Aperture Φ 5
weight	1kg	0.8kg

TMC-D/U磁罗经传感器

TMC-D/U Magnetic Compass Sensor



TMC-D/U磁罗经传感器以485接口半双工方式与上位机进行通信。转换器把磁罗经的航向信息转换为数字信号，为磁罗经复示器、AIS和自动舵以及其他需要船首信息的船用设备提供磁罗经的航向信息，便于自动控制和驾驶，主要用于航海领域，比如轮船自动舵等。

通信符合IEC 61162 HDM HDT输出格式，运行稳定。能够准确的读出磁罗经的方位角，其输出波特率支持4800bp/s。具有体积小、重量轻、功耗低等特点。

TMC-D/U magnetic compass sensor serves the purpose of communicating with the upper machine through a 485 interface half-duplex mode. The converter shifts course information into digital signals, which provides magnetic compass heading of information for the magnetic compass repeater, AIS and automatic helm and other marine equipments. It is used mainly in the nautical field, such as the ship automatic helm.

It complies with IEC 61162 HDM HDT output format, with steady operation. It can give the accurate reading of magnetic compass azimuth Angle, the output baud rate support 4800 bp/s, Its has a small size, light weight and low power consumption.

机械参数

分辨率	0.025°
读数精度	0.5°

电气参数

电压	24V DC
消耗功率	约6W
航向串行接口	RS422或RS232（NMEA）

Mechanical parameters

distinguishability	0.025°
Reading precision	0.5°

Electric parameters

Voltage	24V DC
Consumption power	about 6W
Course heading serial interface	RS422 or RS232（NMEA）

RAI900数字舵角指示器系统 RAI900 Rudder Angle Indicating System

RAI900舵角指示器系统是用于将船舶的舵角角度信息准确实时地在驾驶台、驾驶室等需要显示舵角信息的场所进行显示的一套装置。整套装置应完成舵角角度的采集、数字化处理、数字化传输、显示（数字式和模拟光带显示）、控制（如显示器的亮度）等功能。

RAI900 rudder angle indicating system is utilized to accurately and opportunely exhibit the rudder angle signals at the specified locations, such as the navigating bridge and wheelhouse. The system can perform the following functions: collection, digitization, transmission, display (digital display and light-bar analog display) and control (for example, control of display brightness) of rudder angle signals.



RAI900-2C单面防水式指示器
RAI900-2C Single waterproof indicator



RAI900-2B单面舵角指示器
RAI900-2A Single rudder angle indicator



RAI900-3舵角发信器
RAI900-3 Rudder angle signal transmitter



RAI900-4信号分配器
RAI900-4 Signal distributor

基本参数

项 目	数 据
系统舵角	显示误差不大于1°（相对于舵叶实际舵角）
电源	DC24V
舵角测量范围	- 50° ~ + 50°
舵角采样分辨率	0.1°（12位AD）
舵角数据发送速率	5次/s
默认线性校正采样点步长	5°
数据输出接口	RS-422标准
输出数据格式	符合IEC-61162标准
环境温度	- 15℃ ~ + 55℃
湿度	93% ± 2%（环境温度为25℃ ~ 40℃）



RAI900-1三面舵角指示器
RAI900-1 Three-face rudder angle indicator

Main Parameters

Project	Data
System rudder Angle display error	not more than 1° (relative to the actual rudder Angle)
Power supply	DC24V
Measurement range of rudder angle	-50° ~ +50°
Rudder angle sampling resolution	0.1° (12-digit A/D converter)
Rudder angle data transmission frequency	5 times/s
Default sampling step for linear compensation	5°
Input data port	RS-422 standard
Format of input data	in compliance with IEC-61162
ambient temperature	- 15℃ ~ + 55℃
Humidity	93% ± 2% (ambient temperature 25℃ ~ 40℃)

磁罗经方位圈

Azimuth Circle of Magnetic Compass



GFC系列磁罗经方位圈用于船用A级标准各种规格的磁罗经上。
GFC系列方位圈按照船舶行业标准GB/T 335-2005《船用罗经方位圈》设计、制造生产的。

GFC serial azimuth circles of magnetic compass are used for all specification of marine class A magnetic compass. GFC serial azimuth circles are designed and manufactured in accordance with shipbuilding industry standard GB/T 335-2005 《Marine Compass Azimuth Circle》.

产品规格

型 号	内径尺寸	外径尺寸	净 重
GFC-165	Φ226mm	Φ239mm	1.5kg
GFC-190	Φ247mm	Φ260mm	1.7kg
GFC-165A	Φ247mm	Φ260mm	1.7kg

Specification

Type	Inside diameter	Outside diameter	Net weight
GFC-165	Φ226mm	Φ239mm	1.5kg
GFC-190	Φ247mm	Φ260mm	1.7kg
GFC-165A	Φ247mm	Φ260mm	1.7kg



GFC-180磁罗经方位仪

GFC-180 Azimuth Circle of Magnetic Compass

GFC-180方位仪能用于CGF-180反射磁罗经和国外大多数的磁罗经上，采用中心孔定位的固定方式，内孔的尺寸为8mm。该方位仪具有结构简单，操作方便等优点。

GFC-180 azimuth circle can be used for CGF-180 reflector magnetic compass and most of the foreign magnetic compasses. It adopts fixed mode by using positioning centre hole, the diameter of inner hole is 8mm. The azimuth circle has the advantages of simple structure and convenient operation etc.

19-F方位分罗经

19-F Bearing Repeater Compass

19-F型是最新设计开发的一款方位分罗经，本机内部采用了最新的电子技术与计算机技术，可以直接输入符合NMEA2.0(IEC 61162-1)语句的数字航向信号，经计算转换并驱动类似于机械分罗经的度盘转动而实时指示船舶航向，同时具有航向的数字显示。因此本机直接适用于各种数字式主罗经，如ANSCHUTZ STD22、TKC、SPERRY、YOKOGAWA等。

如果主罗经是模拟式的，也可通过我司的电罗经模数转换器，将模拟信号转换成数字信号，再配接本机构成完整的传向系统。

19-F bearing repeater compass is a newly designed and developed bearing repeater compass, it adopts latest electronic technology and computer technology and the digital course heading signal which accords with NMEA2.0(IEC 61162-1) sentences can be directly inputted, through computing relay and drive the dial which is similar to mechanical repeater compass running thereby indicating course heading of the vessel and simultaneously possessing digital display of course heading. Therefore the repeater compass is directly suitable for various digital main compass, such as Anschutz STD22、TKC、SPERRY、YOKOGAWA etc.

If the main compass is analog model, customer may use analog-to-digital converter of gyro compass to convert analog signal into digital signal and then matched with 19-F bearing repeater compass to form complete directional system.



机械参数

分辨率	0.025°
读数精度	0.5°

电气参数

电压	24V DC
消耗功率	约6W
航向串行接口	RS422或RS232 (NMEA)

NMEA接口

RS422□:	4800波特
	1起始位, 1停止位, 没有极性校验
循环时间	120 ms
(所发送的信息符合NMEA-0183标准2.00版)	
语句符合NMEA2.0(IEC 61162-1):	

\$xxHDT,xxx.x,T*cc<CR><LF>
\$xxHDM,xxx.x,M*cc<CR><LF>
\$xxHDG,xxx.x,,,*cc<CR><LF>

Mechanical parameters

distinguishability	0.025°
Reading precision	0.5°

Electric parameters

Voltage	24V DC
Consumption power	about 6W
Course heading serial interface	Rs422 or RS232 (NMEA)

NMEA interface

Rs422 interface	4800 baud
1 starting position, 1 stopping position, without polarity checkout	
cycle time	120 ms
(sending information accords with NMEA-0183 standard 2.00 edition)	
Sentences accord with NMEA2.0(IEC 61162-1):	

\$xxHDT,xxx.x,T*cc<CR><LF>
\$xxHDM,xxx.x,M*cc<CR><LF>
\$xxHDG,xxx.x,,,*cc<CR><LF>

CF-3航向分罗经

CF-3 Heading Repeater Compass



我公司生产的CF-3航向分罗经是一种新型分罗经，体积小巧可以使用嵌入式、壁挂式或台式进行安装。本机能将电罗经所指示的船舶航向传送到船上任何需要船舶航向的地方，内部采用了最新的电子技术与计算机技术。如果电罗经信号是模拟的，可选用我司的模数转换器，将模拟信号转换成数字信号后再连入本机。

CF-3 heading repeater compass made by our company is a new type repeater compass, it has small volume and can be used for flush mounting, wall mounting or desk mounting. It can transmit the course heading indicated by the gyro compass to any places of the vessel where the course heading are needed, it adopts latest electronic technology and computer technology. If the signal of gyro compass is analog signal, you can use our modulus transducer to convert analog signal into digital signal and then inputted to the repeater compass.

机械参数

分辨率	0.025°
读数精度	0.5°

电气参数

电压	24V DC
消耗功率	约6W
航向串行接口	RS422或RS232 (NMEA)

Mechanical parameters

distinguishability	0.025°
Reading precision	0.5°

Electric parameters

Voltage	24V DC
Consumption power	about 6W
Course heading serial interface	RS422 or RS232 (NMEA)

ZP-1 旁通管

ZP-1 By-pass



当舵手的位置没有刚好在罗经下方时，用光学旁通反射系统就可以很容易的将位置调整到便于操舵手观测的位置。一个光学旁通反射系统主要由导入管、水平旁通管、反射镜筒组成。

方位分罗经支架 Bearing Repeater Support

方位分罗经支架分为立式、壁挂式和固定壁挂式三种，是我厂参照国外最新款所设计制造的一种支架。零部件基本上采用模具一次成型等先进工艺，避免了以往用翻沙工艺制造所容易形成的沙孔、气洞，尺寸不稳定等影响。分罗经支架结构合理、外形美观大方、牢固耐用、价格合理，是取代国内外方位分罗经支架的新一代产品。
(可定制TKC、SPERRY、YOKOGAWA等支架)

bearing repeater support has two kinds: vertical and wall-hanging. It is the latest support designed and manufactured by our factory in light of the international style. Its spare parts are basically moulded in a one-off manner, which is an advanced technology. Hence the sand or air hole or unstable size which may easily occur in the former sand-cast process can be avoided. The compass repeater is rational in structure, good-looking in appearance, firm and durable, reasonable in price, hence a substitute of new generation for the bearing repeater support at home and abroad.

(According to customer's request to do bracket for TKC\SPERRY\YOKOGAWA and so on.)



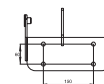
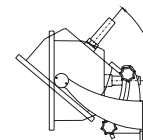
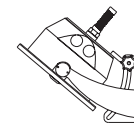
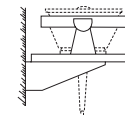
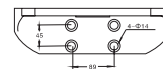
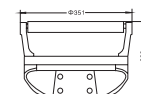
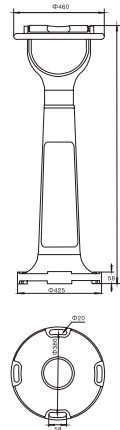
立式方位分罗经支架
Vertical Type Bearing Repeater Support



壁挂式方位分罗经支架
Hang Type Bearing Repeater Support



固定壁挂式支架
Fixed hang type bearing repeater support



CF-5数字分罗经

CF-5 Digital Repeater Compass



CF-5 数字分罗经具有体积小、安装灵活多样等优点。机器内部采用最新的电子技术与计算机技术，可直接输入符合IEC61162-1标准的数字航向信号，信号经计算、转换、驱动，最终以方位角度盘和4位数码管双显示方式实时指示船舶航向。

CF-5 digital repeater compass is compact sized and characterized by a flexible installation. It adopts the latest electronic and computer technology, in which standard digital heading signal in accord with IEC61162-1 can be directly input, and the signal through calculation, conversion, drive, eventually in the double-display forms of azimuth angle plate and four digital tube indicates the real-time ship course.

NMEA接口

RS422口:	4800波特
	1起始位, 1停止位, 没有极性校验
循环时间	120 ms
(所发送的信息符合NMEA-0183标准2.00版)	
语句符合NMEA2.0(IEC 61162-1):	

\$xxHDT,xxx.x,T*cc<CR><LF>

\$xxHDM,xxx.x,M*cc<CR><LF>

\$xxHDG,xxx.x,,,*cc<CR><LF>

NMEA interface

Rs422 interface	4800 baud
	1 starting position, 1 stopping position, without polarity checkout
cycle time	120 ms
(sending information accords with NMEA-0183 standard 2.00 edition)	
Sentences accord with NMEA2.0(IEC 61162-1):	

\$xxHDT,xxx.x,T*cc<CR><LF>

\$xxHDM,xxx.x,M*cc<CR><LF>

\$xxHDG,xxx.x,,,*cc<CR><LF>



SD-8信号分配器

SD-8 Signal Distributor

SD-8多路信号分配器的主要功能，是将1路异步串口输入信号扩展成8路相同的输出信号，以满足现代化船舶上众多通导、记录、自控等设备对同一信号源信号分配的需求。

SD-8 Multiplex Signal Distributor distribute 1 channels asynchronous serial signal into 8 channels output equably, which have signal amplification function. order to satisfy the requirement, which assign the same signal source signal to modern ship's Navigation equipment, registering equipment, and automatic control equipment and so on

LQ-200型摆锤式倾斜仪

LQ-200 Balance Weight Model Clinometer

LQ-200型摆锤式倾斜仪是根据GB3376-91《船用摆锤式倾斜仪技术条件》生产的倾斜仪，是船舶配套不可缺少的仪器，具有高灵敏度和指示精度。能符合钢质海船规范所规定的环境温度、振动、温热及盐雾等要求。

LQ-200 Balance Weight Model Clinometer is manufactured in accordance with GB3376-91《Marine Balance Weight Model Clinometer Technical Terms》and is the indispensable instrument for the ship's support. It has the advantages of high sensitivity and indication accuracy. It is in concordance with the requirement of environment temperature, vibration, warm hot and salt mist etc. regulated by steel seagoing vessel standard.



主要技术数据

项 目	数 据
指示范围	55° ~ 0° ~ 55°
分度值	1°
指示精度	≤ ± 0.4°
灵敏度	≤ 0.4°
重量	0.9kg
外形尺寸	370 × 35 × 240mm

Main technical parameters

Project	Data
Indicating range	55° ~ 0° ~ 55°
Graduation value	1°
Indication accuracy	≤ ± 0.4°
Sensitivity	≤ 0.4°
Weight	0.9kg
Outline Dimension	370 × 35 × 240mm

19-FY方位分罗经方位仪

19-FY Azimuth Circle of Bearing Repeater Compass

采用合金铝及抗磁性黄铜，精度高，能匹配我公司的19-F方位分罗经和其它国内外的方位分罗经。

It adopts aluminium alloy and diamagnetic brass and it has high precision. It can be matched with 19-F bearing repeater compass made by our company and other bearing repeater compasses made by the manufacturers at home and abroad.

