

			Version	0
			Signature	Pan qiu liang
			Date	
<div>120KN 重力倒臂式吊艇架</div> <div>120KN GRAVITY LUFFING ARM TYPE DAVIT</div>				
设绘 Designed		120KN 重力倒臂式吊艇架 120KN GRAVITY LUFFING ARM TYPE DAVIT	215NM006-00GG	
校对 Checked				
审核 Checked Of Sat		规格书 Technical specification	页码 Page	1/7
标检 Verified				
批准 Approved			宁波新海业救生设备有限公司 Ningbo New Marine Lifesaving Equipment Co., Ltd.	
日期 Date				

1.概况

General

1-1 “1974 国际海上人命安全公约修正案” ---MSC.47(66)以及国际救生设备规则--- SOLAS 修正案，国际救生设备规则(LSA)、MSC.218(82)修正案和MSC.81(70)决议、MSC.226(82)修正案。

SOLAS,1974. and the rules of International Life-saving Equipment MSC. 48(66) and the International Life Saving Equipment Testing--- SOLAS amendment, Adoption Of The International Life-Saving Appliance(LSA)Code, amendment of MSC.218(82) and MSC.81(70) resolution、amendment of MSC.226(82).

1-2 The davit is a gravity type davit and it lowers the boat on the water by its own weight.

吊艇架是一种重力式吊架，它能借自身的重力将艇下放到水里

1-3 The davit is designed for boarding the boat in stowed position. The boat could be lowered to the surface continuously and without stopping at the short time.

吊艇架的设计是刚好在登船的装载位置。这艘艇停止的时间很短暂，将不断的被降低到水面。

1-4 The boat is lowered by the remote control . The crew can release and stop the hand brake of the winch from inside of the boat via wire connection to the brake arm and wire spoil on the small drum. Alternatively the crew can operate the hand brake on the deck.

艇下降过程是通过遥控控制。船员可以在艇里面通过连接在制动器的线缆接头和小滚筒上的线缆去释放或者停止，除非船员在甲板上操纵制动器。

1-5 There is the fastening unit at the head and end of the lifeboat for fastening the boat and avoiding the lifeboat swaging on the wave.

在救生艇的首尾外都有一个固定装置, 是为了艇在受到水的冲击时避免挤压, 起到固定扣紧作用

1-6 The inspection and test of appliance is according to the MSC81 (70) and test by Classification.

设备检验要根据 MSC81 (70) 和进行分类检验

2.型号

Models

型号 Davit type		120KN
S P E C	最大工作负荷 Max.working load	120KN
	最小倒出负荷 Min. Throwing Load:	42KN
	轻载复位负荷 Recovering Load:	60KN
	模拟工况 Simulated condition	List20 ⁰ +Trim10 ⁰
	吊艇重量 Davit weight	Approx.6500kg
	Boat type	NM85F/C
艇 Boat size(LxBxH)		8.5×3.2×1.25 m
吊钩 Hook span		8100 mm
人员 Persons		63
空载 Weight of empty boat		4655 kg
满载 Weight of full boat		11007.5kg

3.喷漆方式

Paint method

	表面材料 Material of top surface	底漆 Shop primer	表面处理 Surface preparation
吊艇架 Davit	钢丝 Steel	702 锌环氧 zinc epoxy prime2×40 μ	Sa2.5

4. 试验和检验吊艇架

Shop test & inspection method for boat davit

4.1 艇吊臂架

Boat davit

4.1.1 静载试验

Static test

吊艇架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	120x2.2=264KN	five minutes
+20°List		
-20 °List		

4.1.2 动负荷试验

Dynamic test

吊艇架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	a)120 满 负 (fully load)x1.1=132KN	二次 twice
-20 °List & 10° trim	b)42 空 载 (empty load)x1.0=42KN	

4.1.3 救生试验

Recovery test

吊艇架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	空 载 Empty boat+2 人 员 persons = $4655+2 \times 82.5=4820 \text{ Kg}$	救生 Life
	空 载 Empty boat+6 人 员 persons $4655+6 \times 82.5=5150 \text{ Kg}$	救助 Rescue

4.2 其它试验

Other test

4.2.1 浮动滑车试验

Floating block test with link & shackle

吊艇架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	$120 \times 2.2/2=132 \text{ KN}$	

4.2.2 吊钩试验

Hook test

吊架要求 Condition of davit	负荷 Load	备注 Remarks
Stowed position upright	$120 \times 2.2/2=132 \text{ KN}$	

4.2.3 吊链试验

Test of hanging off pendants line

吊架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	$120/2 \times 2.2=132 \text{ KN}$	

4.2.4 悬挂眼板试验

Test of eye for hanging off pendants

吊架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	$120/2 \times 2.2=132 \text{ KN}$	

4.2.5 回收索试验

Test of recovery strop

吊架要求 Condition of davit	负荷 Load	备注 Remarks
垂直 Upright	120/2x2.2=132	

6.表面检验

Appearance inspection

6.1 确认测量焊接部件和主尺度

To be confirmed the welding parts & measured principal dimensions.

6.2 限制开关的操作倒架

Operation of limits switch for frame.

7.制造供应目录

Maker supply item

1 一 艇布置组成

(one) ship set(s) consisting of

2 设置 全部吊架

sets A complete set of davit

3 设置 限位开关的 IP22 吊架

sets Limit switch of davit(IP22)

其中, 全部吊架包括

Thereinto , a complete set of davit include:

- 艇索和固艇装置
Gripe lashing and fastening unit
- 遥控装置
Remote control device
- 滑轮和艇支撑
Skate and boat support
- 横梁
Beam
- 全部钢丝绳
All necessary rope
- 回收装置为救助艇
Recovery unit for rescue boat

8. 不包括项目的供应

Excluding items of our supply

- (1) 甲板上钢索

Cable on deck

- (2) 演示在艇试验

Performing on-board test

- (3) 组装 耐久性试验后,吊架被拆除时待运,安装在甲板上

Assembly(After the works endurance test, the davit is
dismantled for shipment and installed on deck)