



**H-160 Davit for GES-40 Free Fall Lifeboat:**

SWL Lowering	14500 kg
Hoisting speed	5 m/min
Lowering speed	5 m/min
Total davit weight	~16000 kg
Design specification	20° list / 10° trim
Primary means of launching	Free fall 20° list, 10° trim simultaneously
Secondary launching	Lowering by winch (5° list / 2° trim) EL. Power must be available
Max. inst. height	26 m

- NOTES:**
- Access platforms, handrails, doubler plates etc. :Yard supply.
  - Location of hydraulic power unit to be decided by yard. (Under-deck installation IP55).
  - Hydraulic piping between hydraulic power unit, davit and control valve to be yard supply.
  - All electric wiring by yard.
  - All field welds to be performed acc. to approved WPS. (Yard responsible)  
All field welding is subject to class approval prior to start welding.
  - All field welds shown to be welded by yard during installation. 100% NDT on all field welds as per yard qualified NDT procedures.

**FORCES IN DECK (POINT LOAD EACH SIDE):**

	Horizontal	Vertical	Horizontal	Moment		
	FORCE X	FORCE Y	FORCE Z	MOM X	MOM Y	MOM Z
	kN	kN	kN	kNm	kNm	kNm
F1	±204	±209	±10	±26	±10	±86
F2	±227	±152	±43	±18	±19	±54

**Reaction forces:**  
Reaction forces as joint loads side, marked with nodes on deck interface.  
For orientation of forces see legend with marked XYZ vectors.  
All forces are point loads, nominal forces without any factors.

REV	DESCRIPTION	BY	CHECK	APPRO	DATE
4	Reissued for approval	SHWA	GACA	WAGU	26.07.2022
3	Updated max. inst. height	SHWA	GACA	WAGU	18.09.2021
2	Reissued for approval	JUCH	CEZH	WAGU	21.06.2019
1	Add horizontal transverse beams	KED	KED	MRJ	20.02.2013

**REVISION HISTORY**

**VIKING NORSAFE**  
LIFE-SAVING EQUIPMENT

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Drawn by	Check by	Appr. by	Initial release date
KED	KED	MRJ	08.01.2013

Project number		Project name		Client number	
Title				Material Number	
<b>H-160 Hydraulic operated Davit for GES-40 Free-fall Lifeboat</b>				Weight	
				N/A	
Drawing type				Projection method	
GA					
Drawing Number		Tolerances		Scale	
G-500029		ISO 2768-mK, ISO 13920-BF		1:100	
Revision		Sheet Size		Sheet No.	
4		A3		1/1	