



Marine evacuation system – VIKING, SBS, Direct Boarding

Item no.: SBS

The SBS system is certified by DNV in accordance with SOLAS/MED requirements and the relevant flag state approvals. The system offers safe evacuation with a Single Bowsing System in a convenient, cost-effective package.

- Ability to evacuate 153 persons within 17 min. 40 sec
- Simple installation with few installation parts on ship side
- Embarkation heights below 1,5 meter
- Easy, reliable deployment - only requires one crew member
- Durable quality that is easy to service





Passenger

Technical Data, SBS Direct Boarding

The VIKING Simple Bowsing System (SBS) for High-Speed Crafts (HSC) and smaller ferries is designed for evacuating 51, 101 and 153 persons with VIKING quality in a convenient, cost-effective package. The liferaft container is installed on the vessel close to the evacuation door. The VIKING SBS is available in direct-boarding liferaft configurations, or with SOLAS-approved slides in three different sizes for various evacuation heights.

STOWAGE HEIGHT	Max 1.5 m above waterline in lightest seagoing condition		
EVACUATION CAPACITY	153 persons within 30 min. (SOLAS regulation) 153 persons within 17 min. 40 sec. (SOLAS-HSC regulations)		
LIFERAFT	Approved with 51 persons self-righting liferaft with a SOLAS B emergency pack Approved with 101 persons self-righting liferaft with a SOLAS B emergency pack Approved with 153 persons self-righting liferaft with a SOLAS B emergency pack Approved with 51 persons open reversible liferaft with a reduced emergency pack Approved with 101 persons open reversible liferaft with a reduced emergency pack Approved with 153 persons open reversible liferaft with a reduced emergency pack		
	50DKS B-pack	100DKS B-pack	150DKS B-pack
LENGTH	155 cm	200 cm	200 cm
DIAMETER	92 cm	107 cm	122 cm
WEIGHT	280 kg	525 kg	850 kg
	50DKR	100DKR	150DKR
LENGTH	133,5 cm	155 cm	200 cm
DIAMETER	78 cm	92 cm	107 cm
WEIGHT	159 kg	330 kg	410 kg
APPROVALS - SYSTEM	Reg. III/4 & III/34, as amended by IMO Res. MSC 48(66) and IMO Res. MSC 81(70) EC type approval acc. to EC Directive 96/98/E		
APPROVALS - LIFERAFTS	SOLAS, IMO, USCG, MCA, EC and other national authorities		
MATERIALS			
BOWSING WINCH	Andersen 52 ST Stainless steel, AISI 329		
SLIDE	Nylon webbing covered with natural rubber		
LIFERAFTS	Nylon webbing covered with natural rubber		
LIFERAFT CONTAINER	GRP		

INTERFACE TO SHIP

The system/rack is welded to the ships structure.

DESIGN CRITERIA

The structure is designed with safety factor 4.5.

ACTIVATION

The system is activated by pulling the slip-hook or by means of the remote release system. The liferaft container falls into the water and the bowing of the system starts immediately. During bowing the inflation of the liferaft starts and continuously the bowing of the system proceeds until the bowing lines are pulled out of the splittubes.