

4.7 FIRE FIGHTING APPLIANCES AND RESCUE EQUIPMENT

The fire fighting and rescue equipment recommendations shown in the table below are closely based on the requirements of SOLAS Chapter II-2 Regulation 18 which stipulates requirements for ships fitted with special facilities for helicopters. Such special facilities may include fixed helideck structures and refuelling and hangar facilities. Ships without such special facilities but with deck based landing or winching arrangements should also provide the following appliances and equipment.

Ships conducting bridge wing winching operations should give particular consideration to the provision of appropriate fire fighting appliances and rescue equipment in the vicinity of the winching operation and in light of the risk assessment conducted (see also Section 4.4.2.1).

Summary of Required Fire Fighting and Rescue Equipment			
In close proximity to the helicopter landing area, the following fire fighting appliances should be provided:			
Dry powder	One or two suitable extinguishers with a total capacity of not less than 45 kg.		
Carbon dioxide (CO ₂)	One or two extinguishers with a total capacity of not less than 18 kg.		
Foam system	An application system consisting of monitors or foam making branch pipes, capable of delivering foam to all parts of the helicopter operating area in all weather conditions in which helicopters can operate. The system should be capable of delivering a discharge rate as identified below for at least five minutes.		
	Category	Helicopter overall length	Discharge rate foam solution (litres/min)
	H 1	Up to but not including 15 m	250
	H 2	From 15 m up to but not including 24 m	500
	H 3	From 24 m up to but not including 35 m	800
Fire hoses	At least two nozzles of an approved dual purpose type (e.g. jet/spray) and hoses sufficient to reach any part of the helicopter operating area.		
Fire fighters' outfits	At least two complete fire fighters' outfits as required by the IMO Fire Safety Systems Code.		
Emergency tools/equipment	<p>As a minimum, the following equipment, ready for immediate use and stored in a manner that provides for protection from the elements</p> <ul style="list-style-type: none"> - red emergency signalling lamp - large axe - crowbar - adjustable wrench - fire resistant blanket - 60 cm bolt/wire cutters - grab or salving hook - heavy duty hacksaw, complete with 6 spare blades - ladder - lifeline, 5 mm diameter x 15 m in length - side cutting pliers - set of assorted screwdrivers - harness knife complete with sheath - first aid kit. 		



Helicopter equipment list (ICS Regulation)

Solar Ch II-2/Reg18, ICS Regulation	
Q'ty	Description
1 or 2	one or two dry power fire extinguisher not less than 45kg
1 or 2	one or two Co2 extinguisher not less than 18kg
1 set	Foam application set
2 set	Fire-fighter's outfits
2 set	Nozzle of an approved dural purpose type(jet/spary) and hoses
Emergency tgools / equipment	
1 set	red emergency signallaing lamp
1 set	Large axe
1 set	crow bar
1 set	fire resistannt blanket
1 set	60cm bolt & wire cutter
1 set	first aid equipment
1 set	grab or salving hook
1 set	havey duty hacksaw with 6 spare blades
1 set	side cutting pilers
1 set	life line, 5mm x 15mtr
1 set	ladder
1 set	assorted screw drivers
1 set	harness knife complete with sheath