

Installation of SLG-300 hoist system on Hungarian Air Force Mi-8MTV-1 helicopters

This project included supply and installation of SLG-300 hoist system including winch and boom.

Few pictures of installation:



Boom extended



Ground testing



In closed position

The airborne boom and winch system SLG-300 is mounted inside the helicopter near the sliding cargo cabin door. Such combination ensures the simultaneous lifting of two persons; at the same time, with the help of booms electrical turn mechanism both persons can be drawn inside the helicopter without major efforts. The boom and the hoist are operated by a rescue team operator using portable control console. This console incorporates all control needed to operate the system: direction and speed of the hoist, extraction/retraction of the boom, length of the rope.

If needed or in case of emergency, pilots can control the hoist system; pilots control has the priority over hoist operator's signals. Control console has additional intercom button, so hoist operator can communicate with pilots and other rescue team members.

MAIN FEATURES:

- ◆ Capability 300 kg (two persons);
- ◆ Cable length 60 m;
- ◆ Internal installation on the airborne boom.

TECHNICAL DATA:

Performance:

- ◆ Rated load 661 lbs (300 kg)
- ◆ Retracting speed 59 – 275 ft/min
(0,3 – 1,4 m/s)
- ◆ Extension speed 98 – 393 ft/min
(0,5 – 2 m/s)
- ◆ Cable length 208 ft (63,5 m)

Power requirements:

- ◆ DC Voltage 28 VDC
- ◆ AC Voltage 115/200 V, 400Hz, 3Ph
- ◆ Current 10,5 – 26 A

