

LKH-202-NI RELEASE LINK - SubSeaSonics (for use with AR-60-E ACOUSTIC RELEASE)

(Nov. 30, 2012) (file=LKH-202-NI_DATA_SHEET.doc)

Description: Highly corrosion resistant release link for use with AR-60-E acoustic release. Release hoops made with high nickel content metal wire. More robust than the LKH-162, LKH-262, and the new LKH-172-NI but uses more battery energy and takes longer to release (see table below).

Load limit: 200 lb (91 kg) plus 100 lb (45 kg) surges. Load should be on-axis if surging.

Hoop size: Large enough to pass a 1/8 inch diameter line.

Wire metal: Proprietary, highly corrosion resistant.

Use: Replaceable release link for use with AR-60-E acoustic release.

Method of release: Electrolytic erosion of metal at exposed points.

Hoop construction wire diameter (excluding paint): 0.045 inch (1.14 mm)

The following table gives approximate release erosion times with 12 Energizer L91 lithium AA batteries installed internal to the AR-60-E in the special BH-60L battery holder provided:

HOOP PAINT ALL SCRAPED OFF - WORST CASE (Lithium batteries)	HOOP PAINT INTACT (Lithium batteries)
13 minute @ 21°C (70°F) 20 minute @ 5°C (41°F) 30 minute @ 0°C (32°F)	6 minute @ 21°C (70°F) 10 minute @ 5°C (41°F) 15 minute @ 0°C (32°F)

Note: Bio fouling can extend these times by restricting the water path for ion flow.

Release erosion time with 12 **alkaline** AA batteries in place of lithium's: Up to three times as long.

Battery "energy" used in one release for worst case of all paint scraped off: 333 mA-Hr. One set of 12 lithium batteries should give 1.0 year including 3 releases or 0.5 year including 6 releases.

Reference Information: Lithium battery capacity = 3000 mA-Hr. Maximum battery current while ON and listening for a command equals 0.220 mA.