



**LOOP ASSEMBLY, NAVY TYPE-69089
FEDERAL STOCK NO. N5985-470-7395**

TYPICAL USES.

Loop Assembly, Navy Type-69089, is used on shipboard with the DAK series radio direction finding equipment.

ANTENNA SPECIFICATIONS.

Loop Assembly Type-69089 is a shielded balanced type consisting of two crossed loops at right angles to each other. Each loop consists of 5 turns of insulated, stranded, tinned copper wire. A bakelite assembly holds each winding in place inside an electrostatic shielding of 3-inch aluminum tubing. The two loops are insulated from each other and are electrically matched. The loops are mounted on top of a cast aluminum base.

Total Weight73 lb

Frequency Range250-1500 kc

INSTALLATION DATA.

Transmission LineRG-24/U

A Type-66093 whip antenna is used as a sense antenna with the crossed loop assembly.

Select a site for the crossed loop as far from metallic objects as possible. There should be no metallic stays or rigging within a 15-foot radius of the base of the loop. Do not mount the sense antenna in a line (fore and aft) with the crossed loop. Allow sufficient space for possible use of a corrector wire.

The three transmission lines from the antennas are accurately balanced to equal electrical lengths. The proper performance of the system depends upon the maintenance of this electrical balance.

REFERENCES.

NavShips 900, 277-IB