

NONCODED TOOLS

LACERS, LAMPS, LINES (FISH), LUBRICATORS, MALLETS,  
MAGNIFIER, MARKERS, MIRRORS, NEEDLES, NOZZLES, AND NUTS

DESCRIPTION

**LACER, BELT, CLIPPER BELT LACER CO.,  
"CLIPPER" NO. 1 (OR EQUIVALENT)**  
For belts not over 3/16-in. thick and 2 in. wide.  
Uses "Clipper" No. 1 belt hooks only.  
For use on pneumatic ticket distributing systems.

**LAMP, PORTABLE, KS-7191  
LAMP, PORTABLE, KS-7192**  
Use GE No. 72 (24V) or KS-7203 (48V) lamps in these lamps.  
*Caution: Do not use KS-16196, KS-16196 L2, KS-16197, or KS-16197 L2 lamps in the KS-7191 and KS-7192 portable lamps because the lamp and reflector would become dangerously hot.*  
Replaced by KS-14762 and KS-14761 portable lamps respectively.

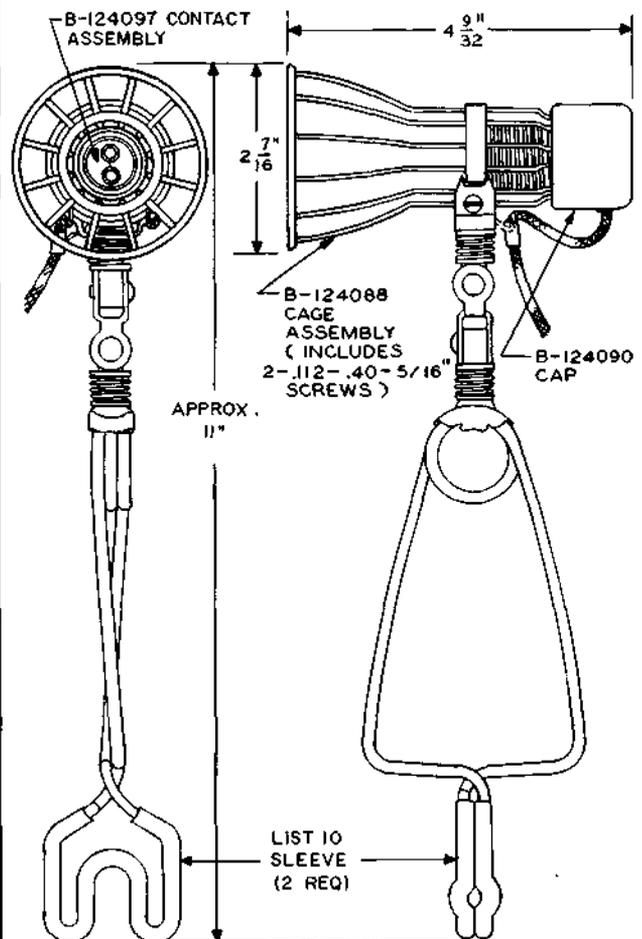
**LAMP, PORTABLE, KS-14761 "Mfr Disc."**  
Replaced by Lamp, Portable, KS-14762 L3

**LAMP, PORTABLE, KS-14762 "Mfr Disc."**  
Replaced by Lamp, Portable, KS-14762 L1

**LAMP, PORTABLE, KS-14762 L1  
LAMP, PORTABLE, KS-14762 L2  
LAMP, PORTABLE, KS-14762 L3**  
Clamps on racks, frames, or switchboards and operates from central office battery. Designed to use high candle power, sealed beam lamps KS-16196 L2 (24V) or KS-16197 L2 (48V) which must be ordered separately.  
The KS-14762 L1 portable lamp is supplied with an 8-foot M2EK cord equipped with connecting clips and is for general use.

The KS-14762 L2 portable lamp is supplied with a 15-foot M2FD cord equipped with two KS-19531 pin-type plugs for connection to the ground and battery jacks in ESS offices.

The KS-14762 L3 portable lamp is supplied with a 8-foot M2EJ cord equipped with a 310 plug and is for use in Step-by-Step Offices.



**LAMP, TEST, POWER, R-2559**

An enclosed neon test lamp which glows when terminals are placed across live electrical circuits having voltages of 80 to 600 ac or dc. Insulated lead is 24 in. long. Entire unit is cement sealed and moisture proof.

For use on compressor-dehydrators.

**LINE, FISH, R-1313**

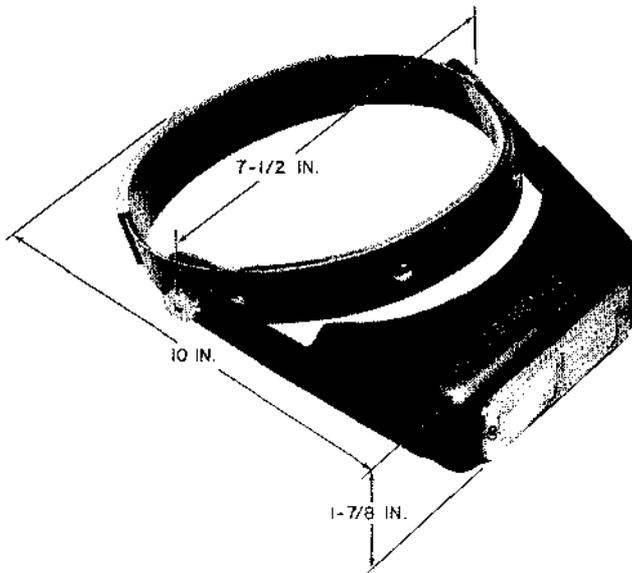
A braided flax line about 0.32 in. in diameter having a tensile strength of approximately 15 lbs. Furnished in 50 yd. lengths on wooden spools.

For use in lining up equipment in panel offices and in cleaning pneumatic tube equipment in tool offices.

**LUBRICATORS**

See Guns, Grease; Cans, Oil; and Oilers.

**MAGNIFIER (BINOCULAR) KS-19916 L1**



A binocular magnifier consisting of an adjustable headband and a shaded plastic visor equipped with a replaceable lens plate. Visor is hinged to headband for easy eye level adjustment. Magnifier has magnification of 2-1/2 power at 8-inch focal length.

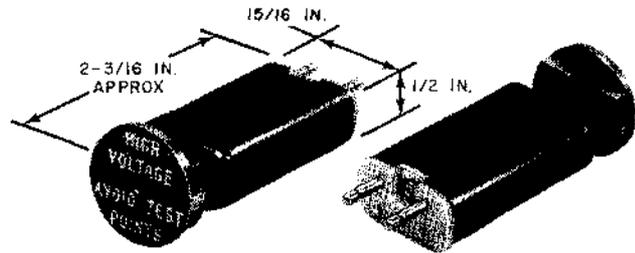
For use in adjusting miniature wire spring type relays.

**MALLET, RUBBER, R-2192**

A 30-oz. rubber mallet, head approximately 3-1/8-in. x 4-3/4 in. Overall length 16 in.

For use in driving multiple wedges when clearing trouble in switchboard cable.

**MARKER, WARNING, D, ♦**



A personnel safety device for use with 302 Connectors in ESS Central Offices.

The D Warning Marker replaces the protector unit when the latter is removed during the application of breakdown test voltage to a wire pair outside the office. The D Warning Marker is inserted to warn CO personnel. (Spec. AT-8271)

**MIRROR, DENTAL, R-1623**

Replaced by the 376A tool.

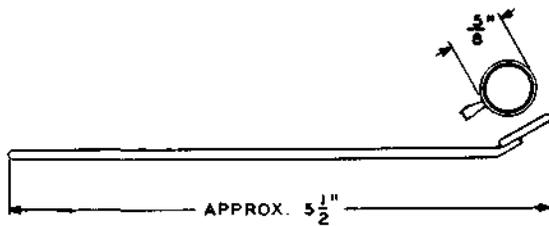
**MIRROR, ADJUSTABLE, R-2965**



A plain mirror

For use in adjusting the KS-13834 perforators in the No. 5 Crossbar System.

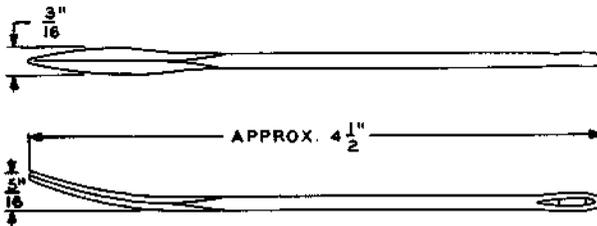
**MIRROR, DENTAL, P-220366**



A magnifying mirror with insulated metal parts.

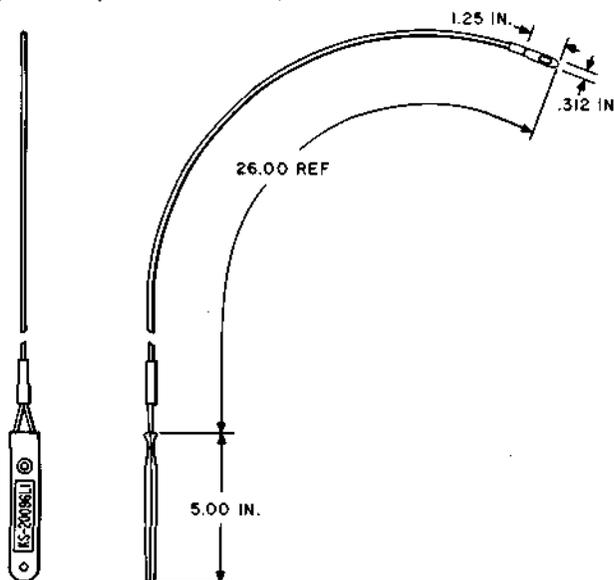
For general use.

**NEEDLE, SACK, R-59237**



Steel needle for use in sewing cable forms. (PBX installation only.)

◆ **NEEDLE, KS-20096 L1** ◆



A curved, insulated metal rod equipped with an insulated eye at one end arranged to thread four No. 22 gauge insulated wires. The other end is provided with an insulated handle.

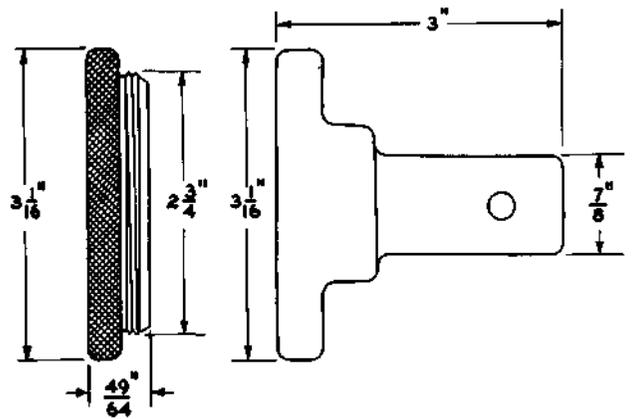
For use in running jumpers on the No. 1 ESS main distributing frame.

**NOZZLE, KS-14349**



For use with the 486A tool when oiling KS-13834 perforators.

**NUT, GUIDE AND CLAMP, D-97086**



For use with the D-97085 reamer and handle when reaming housing assembly bearings of friction roll drives.