

VIEWS OF TYPICAL CABLE ASSEMBLIES & PARTS

CABLE TANG, "FIGURE 8", STAINLESS STEEL, 14 GAGE (.07 IN. THICKNESS). BEND AS REQUIRED BUT USE LARGEST PRACTICAL BEND RADIUS

CABLE THIMBLE, FOR 3/32 INCH CABLE, STAINLESS STEEL

NICOPRESS SLEEVE, 3/32 INCH (AS PER CABLE SIZE), SWAGE CENTER BUT LEAVE ENDS FLARED TO AVOID STRESS CONCENTRATIONS IN CABLE

LARGEST ALLOWABLE SWAGED DIMENSION IS .2674 INCH. FROM TABLES. SPOT CHECKS OF MY SWAGES HAVE MEASURED .25 INCHES, WHICH I CHOOSE TO ACCEPT.

1/8 IN. OF CABLE END IS LEFT PROTRUDING

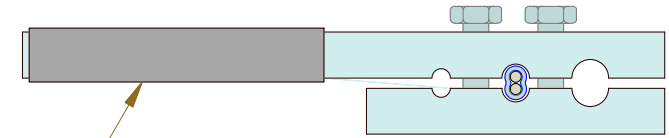
ALL CABLE IS 7X7 STAINLESS STEEL, 3/32 INCH NOMINAL DIAMETER. ANY CABLE WITH A BROKEN STRAND OR A SHARP AND PERMANENT BEND (KINK) IS UNACCEPTABLE AND MUST BE REPLACED.

HEAT SHRINK TUBE BEFORE HEATING

TO COVER SHARP EDGES, HEAVY GRADE HEAT SHRINK TUBE ("MARINE SHRINK") COVERS FINISHED SWAGE & PROTRUDING CABLE END (OR WRAP WITH CLOTH TAPE, OR COVER WITH FLEXIBLE ADHESIVE)

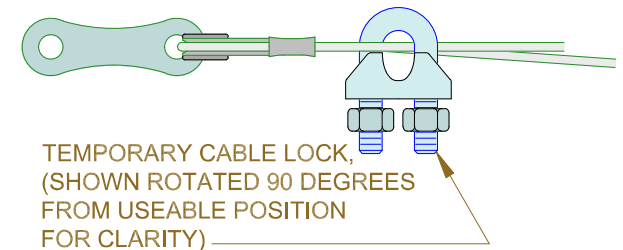
TENSION OF THE SHEAR CABLES INSIDE THE WINGS CAN BE ADJUSTED BY REMOVAL OR ADDITION OF WASHERS ON THE MIDWING RETAINING BOLTS. STEEL CABLES ARE EXPECTED TO STRETCH IN SERVICE, SO IF THE RIGGING GETS LOOSER IT CAN BE RE-TENSIONED BY WASHER REMOVAL. ALL LINES & CABLES ARE TO BE TENSIONED TO THE POINT OF ELIMINATING SLACK, BUT GREATER TENSION THAN THAT IS NOT DESIRED. FOR CABLE TENSIONING OUTSIDE THE WINGS, SEE B3A8

CABLE SWAGING TOOL, BOLT DRIVEN TYPE



DEDICATED COMMERCIAL TOOL FOR SWAGING NICOPRESS SLEEVES MUST BE USED FOR PROPER FINISHED SWAGE SHAPE. CHECK FINISHED DIMENSION OF SWAGED SLEEVE WITH NICOPRESS GAGE OR MICROMETER. THIS BOLT DOWN TOOL CAN BE SECURED IN A VICE FOR USE.

CABLE FABRICATION METHOD



TEMPORARY CABLE LOCK, (SHOWN ROTATED 90 DEGREES FROM USEABLE POSITION FOR CLARITY)

TEMPORARY CABLE LOCKS ARE USED FOR EASE OF CABLE ASSEMBLY & IN-PLACE TRIAL FITTING PRIOR TO FINAL SWAGING & CABLE TRIMMING. CABLE LOCKS ARE REMOVED AFTER SLEEVES ARE SWAGED.

B4A6

STANDARDS FOR STEEL CABLES

BLOOP 4
ULTRALIGHT
AIRPLANE

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