PROCUREMENT SPEC: ESCBB-2 CLASS I, EXCEPT AS SPECIFIED HEREIN.

MATERIAL:
NUT, SCREW: ALLOY STEEL: 4130 PER AMS-S-6758, 4140 PER AMS6382 OR AMS6349 OR 8740 PER AMS6322.
SLEEVE: CORROSION RESISTANT STEEL: 303 OR 304 PER AMS-QQ-S-763, AMS5639 OR AMS5641.

HEAT TREAT:
NUT & SCREW: HEAT TREAT PER AMS2759, APPROXIMATELY 180,000 TO 200,000 PSI TENSILE (HRC 39-43).
SLEEVE: AS REQUIRED FOR PERFORMANCE.

FINISH: " - " NUT & SCREW: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2. CADMIUM PLATE PER NAS672 IS PERMISSIBLE PROVIDED DISTORTION OF "D" DIAMETER SHALL NOT PREVENT INSERTION OF THE FASTENER INTO A RING GAUGE OF LENGTH EQUAL TO ONE DIAMETER AND MANUFACTURER'S IDENTIFICATION:

STANDARD GRIP LENGTHS ARE AS TABULATED, SHORTER OR LONGER GRIPS THAN THOSE LISTED MAY BE AVAILABLE AS SPECIALS. ON GRIP LENGTHS THE PRODUCT DESCRIBED BY THIS DRAWING IS "EQUIVALENT TO" AND "INTERCHANGEABLE WITH" THE MANUFACTURER'S PRODUCT LISTED BELOW.

LUBRICANTS LISTED BELOW MAY BE APPLIED TO ANY OR ALL COMPONENTS IF REQUIRED FOR PERFORMANCE.

DIMENSIONS "A", "A'" AND "H" ARE FOR ENGINEERING REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR INSPECTION PURPOSES. THESE HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.

GENERAL NOTES:
1. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT EXCEED MAXIMUM "D" DIAMETER.
2. CONCENTRICITY OF NUT HEAD CONICAL SURFACE TO "D" DIAMETER SHALL BE WITHIN .005 T.I.R. (EXCEPT OVER INDENTS).
3. REMOVE ALL LOOSE OR HANGING BURRS.

MANUFACTURER'S IDENTIFICATION:
LETTER "N" DESIGNATES MONOGRAM AEROSPACE FASTENERS. LETTERS "VS" DESIGNATE VOI-SHAN.

HEAD MARKINGS ON NUT DEPRESSED .010" MAX, LOCATION OPTIONAL.

EXCEPT FOR THE HEAD IDENTIFICATION MARKINGS AND SELF-LOCKING FEATURE, EXISTING STOCK MAY BE REWORKED TO INCORPORATE THE LOCK. WHEN THESE REWORKED FASTENERS ARE SUPPLIED, THE HEAD IDENTIFICATION MAY BE AS SHOWN BELOW:

MONOGRAM...: FF16426-FF375426 SERIES (MARKING: "", " VS", " VS", "L" OR "N" OVERSTAMPED "N"), VOI-SHAN...: B12F SERIES (MARKING: "VS", "B12", OR "N" OVERSTAMPED "N").

STANDARD FINISHES AND LUBES ARE SHOWN ABOVE. REFER TO ESCBB-4 FOR SPECIAL FINISHES AND/OR LUBES, IF REQUIRED.

HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.

EXAMPLE: PLT1008-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS = 0.281".

THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP +.031"/-.030".

THE BASIC "G" DIMENSION WILL BE NOMINAL GRIP +.031" AND THE OVERALL SCREW LENGTH "L" DIMENSION MAY VARY AT MANUFACTURER'S OPTION.

STANDARD GRIP LENGTHS ARE AS TABULATED, SHORTER OR LONGER GRIPS THAN THOSE LISTED MAY BE AVAILABLE AS SPECIALS. ON GRIP LENGTHS SHORTER THAN THOSE LISTED, THE BREAKOFF LIMITS AND PREVAILING TORQUES AS TABULATED DO NOT APPLY.

DISTORTION OF "D" DIAMETER SHALL NOT PREVENT INSERTION OF THE FASTENER INTO A RING GAUGE OF LENGTH EQUAL TO ONE DIAMETER AND DIAMETER EQUAL TO MAXIMUM "D" + .001". FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS.

DIMENSIONS "A", "A'" AND "H" ARE FOR ENGINEERING REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR INSPECTION PURPOSES. THESE DIMENSIONS ARE THEORETICAL VALUES DERIVED FROM "D", "S", "V", "W" AND HEAD ANGLE DIMENSIONS.

DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.