LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT.

STANDARD GRIP LENGTHS ARE SHOWN AS TABULATED, SHORTER OR LONGER GRIPS THAN THOSE LISTED MAY BE AVAILABLE AS SPECIALS. ON GRIP HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.

DIMENSIONS "A", "A'", AND "H" ARE FOR ENGINEERING REFERENCE PURPOSES ONLY AND ARE NOT TO BE USED FOR INSPECTION PURPOSES. THESE DISTORTION OF "D" DIAMETER SHALL NOT PREVENT INSERTION OF THE FASTENER INTO A RING GAUGE OF LENGTH EQUAL TO ONE DIAMETER AND 4 FASTENER IDENTIFICATION: "175" IN ONE QUADRANT OF "5175" IN TWO QUADRANTS.

"SA" PARTS ARE PARTIALLY DIASSEMBLED TO PERMIT THE APPLICATION OF WET SEALANT AS SHOWN IN FIGURE 1., SEE SHEET 1. ("SA" PARTS MUST HAVE BEEN USED IN THE MANUFACTURE OR REPRODUCTION OF THE ARTICLE DISCLOSED, AND THE DELIVERY OF THIS DOCUMENT SHALL NOT CONSTITUTE ANY RIGHT OR LICENSE TO DO SO.

”REVEALED IN ANY MANNER TO ANY PERSON EXCEPT TO MEET THE PURPOSE FOR WHICH IT WAS DELIVERED.

NOTICE: PROPRIETARY AND CONFIDENTIAL: a TriMas company

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MATERIAL:
NUT, & SCREW: 6AI-4V TITANIUM PER AMS4928 OR AMS4967.
SLEEVE: CORROSION RESISTANT STEEL.

HEAT TREAT:
NUT & SCREW: HEAT TREAT PER AMS-H-81200, TO 95 KSI FSU MIN. MAX HYDROGEN 125 PPM.
SLEEVE: AS REQUIRED FOR PERFORMANCE.

FINISH:
(-) NUT & SCREW: PASSIVATION
(X) NUT: I.V.D. ALUMINUM COAT PER MIL-DTL-83488.
SCREW: KAL-GARD ANN-RD #1012 OPTIONAL.
SLEEVE: PASSIVATION PER AMS2700, KAL-GARD ANN-RD #1013 OPTIONAL.

LUBRICANT:
(-) NUT, SCREW, & SLEEVE: DRY FILM LUBE & CETYL ALCOHOL AS REQUIRED FOR PERFORMANCE.
(X) NUT: CARBO-WAX, PARAFFIN WAX, TIOLON A-20, TIOLON X-20 OR CETYL ALCOHOL AS REQUIRED FOR PERFORMANCE.
SCREW & SLEEVE: LUBRICANTS USED ON SLEEVES AND SCREWS MUST NOT CONTAIN ALCOHOL AS REQUIRED FOR PERFORMANCE.

FINISH:
(+) NUT: I.V.D. ALUMINUM COAT PER MIL-DTL-83488.
SLEEVE: PASSIVATION PER AMS2700, KAL-GARD ANN-RD #1013 OPTIONAL.

GENERAL NOTES:
LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT.
FASTENER IDENTIFICATION: "175" IN ONE QUADRANT OF "5175" IN TWO QUADRANTS.
HALF-GRIP LENGTHS MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS. EXAMPLE: PLT175(-02-4.5) INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS (.281" = 1.14 mm), THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP + .031"/- .030" (+0.79/-0.79 mm). THE BASIC "G" DIMENSION WILL BE NOMINAL GRIP + .031 (+0.79) AND THE OVERALL SCREW LENGTH "L" DIMENSION MAY VARY AT MANUFACTURER'S OPTION.

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

"SA" PARTS ARE PARTIALLY DIASSEMBLED TO PERMIT THE APPLICATION OF WET SEALANT AS SHOWN IN FIGURE 1., SEE SHEET 1. ("SA" PARTS MUST HAVE SEALANT APPLIED FOR PROPER FUNCTION).

MAXIMUM RECOMMENDED TEMPERATURE 750°F.

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" MAX + .001". FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS (22.23 NEWTONS).

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.

"G" TOLERANCES: FOR .06 SIZE +.030/-010 (+0.762/0.254mm), FOR .08 SIZE +.040/-010 (+1.016/0.254mm).

PRODUCTIVITY AND CONFIDENTIALITY: MATERIALS and PROCESSES USED IN THE PRODUCTION OF THIS PART ARE PROPRIETARY AND CONFIDENTIAL TO MONOGRAM AEROSPACE FASTENERS, ANY PARTY BY ACCEPTING THIS DOCUMENT MAY NOT USE THE INFORMATION SET FORTH HEREIN IN MANUFACTURE OR REPRODUCTION OF THE ARTICLE DISCLOSED, AND THE DELIVERY OF THIS DOCUMENT SHALL NOT CONSTITUTE ANY RIGHT OR LICENSE TO DO SO.

VISU-LOK, FASTENER, BLIND INTERNALLY THREADED, EXTERNAL SLEEVE 100° FLUSH HEAD, SELF LOCKING FRACTIONAL DIAMETER, 75 KSI SHEAR TITANIUM

PLT175(-) (-) (-)