A TriMas company

MONOGRAM
AEROSPACE
FASTENERS

1/32" O/S TO PLT220; 1/64" O/S TO PLT221

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B. GEE 01/03/14

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VISU-LOK, FASTENER, BLIND
INTERNALLY THREADED, EXTERNAL SLEEVE
A-286 CRES, -1200°F
PROTRUDING HEX HEAD, SELF LOCKING
1/32" O/S TO PLT220; 1/64" O/S TO PLT221

Alcoa
MONOGRAM
CASE CODE: 98524
REV: G

DRAWING NO.
PLT1055-( -) ()

CREATED BY:
B. GEE
01/03/14

APPROVED AT:
CHECKED DATE:
11/09/14

SHEET 1 OF 2

"G" TOLERANCE: FOR -06 SIZES +.030/-0.10; FOR -08 & -10 SIZES +.040/-0.10; FOR -12 SIZES +.050/-0.10.

MANUFACTURER'S IDENTIFICATION

"SL" INDICATES MECHANICAL LOCK

ALLOY IDENT. "O" INDICATES A-286 ALLOY

"O" INDICATES A-286 ALLOY

"SL" INDICATES MECHANICAL LOCK

TWO DASHES INDICATE 1/32" OVERSIZE DIAMETER

F DRIVING FLATS

INDENTED HEX OPTIONAL

VISUAL MECHANICAL LOCK

BREAKOFF LIMITS (MEASURED FROM SKIN SURFACE)

TYPICAL INSTALLATION

PART NUMBER

R RAD.

BREAK-OFF LIMITS

MINIMUM AVAILABLE GRIP LENGTH

HOLE SIZE

PREVAILING TORQUE MIN.

DOUBLE SHEAR STRENGTH MIN.

TENSILE STRENGTH MIN.

INCH mm INCH mm INCH mm INCH mm IN-LB Nm LBS. N LBS. N

PLT1055-06-(1) .2290 5.817 .312 5.953 .360 9.14 .2300 5.84 .104 2.64 .113 2.87 .315 8.00 .333 8.46 .780 19.81 .340 8.64


PLT1055-10-(1) .3415 8.674 .437 11.10 .493 12.52 .3425 8.70 .152 3.86 .160 4.06 .442 11.23 .447 11.35 1.002 25.45 .479 12.17

PLT1055-12-(1) .4045 10.273 .500 12.70 .583 14.80 .4055 10.25 .185 4.70 .199 4.83 .531 13.49 .527 13.39 1.085 27.56 .548 13.92

PLT1055-06-(1) .025 .063 +.103 +.62 +.015 +.38 +.030 +.81 -.01 .233 .230 5.92 5.84 1.5 .0170 4600 20460 1400 6230

PLT1055-08-(1) .025 .063 +.130 +.32 +.027 +.69 +.030 +.81 -.02 .294 7.39 1.5 .0170 4600 20460 1400 6230

PLT1055-10-(1) .030 .075 +.130 +.32 +.027 +.69 +.030 +.81 -.03 .409 10.39 1.5 .0170 4600 20460 1400 6230

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**PROCUREMENT SPEC:** ESCB-2 CLASS 2, EXCEPT AS SPECIFIED HEREIN.

**MATERIAL:**
- NUT, SCREW & SLEEVE: CORROSION AND HEAT RESISTANT STEEL, TYPE A-286 PER AMS5732 OR AMS5737.
- HEAT TREAT: SOLUTION HEAT TREATED AND AGED TO A CORE HARDNESS OF HRC 30 TO HRC 45. ALL CORE HARDNESS READINGS ARE TAKEN ON MOUNTED SPECIMEN, USING A BRALE PENETRATOR AND A 30 Kg LOAD (ROCKWELL 30N).
- SLEEVE: SOLUTION TREATED.
- FINISH: PASSIVATE PER AMS2700.
- LUBRICANT: DRY FILM LUBE PER AS5272 TYPE I OR EVERLUBE 812 PER MIL-PRF-81329, WWM CARBO-WAX, PARAFFIN WAX, OR CETYL ALCOHOL PER AS87132.

**PART CODE & EXAMPLE:** PLT1055 - 08 - 08

**GRIP LENGTHS IN 1/16THS NOMINAL BODY DIAMETER AS TABULATED BASIC PART NUMBER, 1/32" OVERSIZE, SELF-LOCKING BLIND FASTENER.

**GENERAL NOTES:**
1. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "D" DIAMETER.
2. REMOVE ALL LOOSE OR HANGING BURRS.
4. MANUFACTURER'S IDENTIFICATION: LETTER "N" DESIGNATES MONOGRAM AEROSPACE FASTENERS. LETTERS "VS" DESIGNATE ALCOA.
5. HEAD MARKINGS ON NUT DEPRESSED .010 MAX.
6. STANDARD FINISHES AND LUBRICANTS ARE SHOWN ABOVE. REFER TO SPECIFICATION ESCB-4 FOR SPECIAL FINISHES AND/OR LUBRICANTS, IF REQUIRED.
7. 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.
8. DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.