

| PART NUMBER | NOM. DIA. | | A | | C MAX. | | D DIA. | | F DRIVING FLATS | | H MAX. | | J DIA MAX. | | K MAX. | |
|---------------|-----------|-------|--------------|----------------|--------|-------|----------------|----------------|-----------------|--------------|--------|------|------------|-------|--------|-------|
| | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm |
| PLT251-05-(-) | .1790 | 4,547 | .250 .244 | 6,35 6,19 | .315 | 8,00 | .1800 .1780 | 4,572 4,521 | .086 .081 | 2,19 2,05 | .096 | 2,44 | .244 | 6,20 | .300 | 7,62 |
| PLT251-06-(-) | .2140 | 5,436 | .312 .305 | 7,93 7,74 | .350 | 8,89 | .2150 .2130 | 5,461 5,410 | .104 .099 | 2,65 2,51 | .113 | 2,88 | .300 | 7,62 | .333 | 8,46 |
| PLT251-08-(-) | .2750 | 6,985 | .375 .367 | 9,53 9,32 | .385 | 9,78 | .2760 .2740 | 7,011 6,959 | .135 .130 | 3,43 3,30 | .135 | 3,43 | .384 | 9,76 | .366 | 9,30 |
| PLT251-10-(-) | .3260 | 8,280 | .437 .429 | 11,10 10,89 | .470 | 11,94 | .3270 .3250 | 8,306 8,255 | .152 .147 | 3,87 3,73 | .160 | 4,07 | .427 | 10,85 | .447 | 11,36 |
| PLT251-12-(-) | .3890 | 9,881 | .500 .491 | 12,70 12,47 | .555 | 14,10 | .3900 .3880 | 9,906 9,855 | .185 .180 | 4,70 4,57 | .190 | 4,83 | .516 | 13,11 | .527 | 13,39 |

| PART NUMBER | N MIN. | | R RAD. | | HOLE SIZE | | BREAK-OFF LIMITS | | PREVAILING TORQUE MIN | | DOUBLE SHEAR STRENGTH MIN | | TENSILE STRENGTH MIN | |
|---------------|--------|-------|--------------|--------------|--------------|--------------|------------------|----------------|-----------------------|------|---------------------------|--------|----------------------|-------|
| | INCH | MM | INCH | mm | INCH | mm | INCH | mm | INCH-LBS | Nm | LBS | N | LBS | N |
| PLT251-05-(-) | .272 | 6,90 | .025 .020 | 0,64 0,50 | .183 .180 | 4,65 4,57 | +0,88 +0,00 | +2,24 +0,00 | 1.0 | 0,11 | 4680 | 20818 | 1350 | 6005 |
| PLT251-06-(-) | .340 | 8,63 | .030 .025 | 0,77 0,63 | .218 .215 | 5,54 5,46 | +0,98 +0,10 | +2,49 +0,25 | 1.5 | 0,16 | 6900 | 30693 | 2100 | 9341 |
| PLT251-08-(-) | .409 | 10,38 | .035 .030 | 0,89 0,76 | .279 .276 | 7,09 7,01 | +1,35 +0,47 | +3,43 +1,19 | 2.5 | 0,28 | 11800 | 52489 | 3650 | 16236 |
| PLT251-10-(-) | .479 | 12,16 | .045 .035 | 1,15 0,88 | .330 .327 | 8,38 8,30 | +1,46 +0,43 | +3,71 +1,09 | 3.5 | 0,39 | 17000 | 75620 | 5200 | 23131 |
| PLT251-12-(-) | .548 | 13,91 | .045 .035 | 1,15 0,88 | .393 .390 | 9,98 9,90 | +1,52 +0,49 | +3,87 +1,24 | 4.0 | 0,45 | 24500 | 108981 | 7500 | 33362 |



PROCUREMENT SPEC: ESCBB-10, EXCEPT AS SPECIFIED HEREIN.

MATERIAL:

NUT & SCREW: 5% CHROME STEEL (H-11) PER AMS6487.
SLEEVE: INCONEL X-750 PER AMS5667 OR AMS5582; OR A286 PER AMS5731, AMS5732 OR AMS5737.

HEAT TREAT:

NUT & SCREW: ROCKWELL "C" 48-53.
SLEEVE: AS REQUIRED FOR PERFORMANCE.

FINISH: \triangle 4

(-) CODE

NUT & SCREW: CADMIUM PLATE PER NAS672 (0.0003 MIN. THICKNESS) EXCEPT THERMAL INDICATOR MAY BE OMITTED. SUPPLEMENTARY CHROMATE TREATMENT PER AMS-QQ-P-416 AFTER BAKE. COLOR NUT BLUE.

SLEEVE: CADMIUM PLATE PER AMS-QQ-P-416, TYPE I OR TYPE II, CLASS 2 OR CLASS 3.

"L" CODE

NUT & SLEEVE: ALUMINUM COAT PER NAS4006.
SCREW: CADMIUM PLATE PER NAS672 (0.0003 MIN. THICKNESS) EXCEPT THERMAL INDICATOR MAY BE OMITTED. SUPPLEMENTARY CHROMATE TREATMENT PER AMS-QQ-P-416 AFTER BAKE.

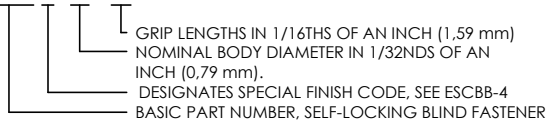
LUBRICANT:

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

DRY FILM LUBE PER AS5272 TYPE I OR EVERLUBE 812 PER MIL-PRF-81329, PARAFFIN WAX CETYL ALCOHOL PER AS87132, AND OR WWM CARBO-WAX.

PART CODE & EXAMPLE:

PLT251 L - 05 - 05



| SECOND DASH NUMBER | \triangle G GRIP | | \triangle \triangle GRIP RANGE | | | | L REF. | | | | | | | | | | | | | |
|--------------------|--------------------|-------|------------------------------------|-------|-------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---|---|---|---|
| | | | | | | | PLT251 | | | | | | | | | | | | | |
| | IN | mm | IN | mm | IN | mm | -05-() | | -06-() | | -08-() | | -10-() | | -12-() | | | | | |
| -01 | .093 | 2.37 | .031 | 0.79 | .093 | 2.37 | .713 | 18.11 | .850 | 21.59 | - | - | - | - | - | - | - | - | - | - |
| -02 | .156 | 3.96 | .094 | 2.38 | .156 | 3.97 | .775 | 19.68 | .912 | 23.16 | .972 | 24.69 | 1.189 | 30.20 | - | - | - | - | - | - |
| -03 | .219 | 5.56 | .157 | 3.98 | .219 | 5.57 | .838 | 21.29 | .975 | 24.76 | 1.035 | 26.29 | 1.252 | 31.80 | 1.324 | 33.63 | - | - | - | - |
| -04 | .281 | 7.14 | .220 | 5.58 | .281 | 7.14 | .900 | 22.86 | 1.037 | 26.34 | 1.097 | 27.86 | 1.314 | 33.38 | 1.386 | 35.20 | - | - | - | - |
| -05 | .344 | 8.74 | .282 | 7.15 | .344 | 8.74 | .963 | 24.46 | 1.100 | 27.94 | 1.160 | 29.46 | 1.377 | 34.98 | 1.449 | 36.80 | - | - | - | - |
| -06 | .406 | 10.31 | .345 | 8.75 | .406 | 10.32 | 1.025 | 26.04 | 1.162 | 29.51 | 1.222 | 31.04 | 1.439 | 36.55 | 1.511 | 38.38 | - | - | - | - |
| -07 | .469 | 11.91 | .407 | 10.33 | .469 | 11.92 | 1.088 | 27.64 | 1.225 | 31.12 | 1.285 | 32.64 | 1.502 | 38.15 | 1.574 | 39.98 | - | - | - | - |
| -08 | .531 | 13.49 | .470 | 11.93 | .531 | 13.49 | 1.150 | 29.21 | 1.287 | 32.69 | 1.347 | 34.21 | 1.564 | 39.73 | 1.636 | 41.55 | - | - | - | - |
| -09 | .594 | 15.09 | .532 | 13.50 | .594 | 15.09 | 1.213 | 30.81 | 1.350 | 34.29 | 1.410 | 34.81 | 1.627 | 41.33 | 1.699 | 43.15 | - | - | - | - |
| -10 | .656 | 16.66 | .595 | 15.10 | .656 | 16.67 | 1.275 | 32.38 | 1.412 | 35.86 | 1.472 | 37.39 | 1.689 | 42.90 | 1.761 | 44.73 | - | - | - | - |
| -11 | .719 | 18.26 | .657 | 16.68 | .719 | 18.27 | 1.338 | 33.99 | 1.475 | 37.46 | 1.535 | 38.99 | 1.752 | 44.50 | 1.824 | 46.33 | - | - | - | - |
| -12 | .781 | 19.84 | .720 | 18.28 | .781 | 19.84 | 1.400 | 35.56 | 1.537 | 39.04 | 1.597 | 40.56 | 1.814 | 46.06 | 1.886 | 47.90 | - | - | - | - |
| -13 | .844 | 21.44 | .782 | 19.85 | .844 | 21.44 | 1.463 | 37.16 | 1.600 | 40.64 | 1.660 | 42.16 | 1.877 | 47.68 | 1.949 | 49.50 | - | - | - | - |
| -14 | .906 | 23.01 | .845 | 21.45 | .906 | 23.02 | 1.525 | 38.74 | 1.662 | 42.21 | 1.722 | 43.74 | 1.939 | 49.25 | 2.011 | 51.08 | - | - | - | - |
| -15 | .969 | 24.61 | .907 | 23.03 | .969 | 24.62 | 1.588 | 40.34 | 1.725 | 43.82 | 1.785 | 45.34 | 2.002 | 50.85 | 2.074 | 52.68 | - | - | - | - |
| -16 | 1.031 | 26.19 | .970 | 24.63 | 1.031 | 26.19 | 1.650 | 41.91 | 1.787 | 45.39 | 1.847 | 46.91 | 2.064 | 52.43 | 2.136 | 54.25 | - | - | - | - |
| -17 | 1.094 | 27.79 | 1.032 | 26.20 | 1.094 | 27.79 | | | 1.850 | 46.99 | 1.910 | 48.51 | 2.127 | 54.03 | 2.199 | 55.85 | - | - | - | - |
| -18 | 1.156 | 29.36 | 1.095 | 27.80 | 1.156 | 29.37 | | | 1.912 | 48.56 | 1.972 | 50.09 | 2.189 | 55.60 | 2.261 | 57.43 | - | - | - | - |
| -19 | 1.219 | 30.96 | 1.157 | 29.38 | 1.219 | 30.97 | | | 1.975 | 50.16 | 2.035 | 51.69 | 2.252 | 57.20 | 2.324 | 59.03 | - | - | - | - |
| -20 | 1.281 | 32.54 | 1.220 | 30.98 | 1.281 | 32.54 | | | 2.037 | 51.74 | 2.097 | 53.26 | 2.314 | 58.78 | 2.386 | 60.60 | - | - | - | - |
| -21 | 1.344 | 34.14 | 1.282 | 32.55 | 1.344 | 34.14 | | | 2.100 | 53.34 | 2.160 | 54.86 | 2.377 | 60.38 | 2.449 | 62.20 | - | - | - | - |
| -22 | 1.406 | 35.71 | 1.345 | 34.15 | 1.406 | 35.72 | | | 2.165 | 54.91 | 2.222 | 56.44 | 2.439 | 61.95 | 2.511 | 63.78 | - | - | - | - |
| -23 | 1.469 | 37.31 | 1.407 | 35.73 | 1.469 | 37.32 | | | 2.225 | 56.52 | 2.285 | 58.04 | 2.502 | 63.55 | 2.574 | 65.38 | - | - | - | - |
| -24 | 1.531 | 38.89 | 1.470 | 37.33 | 1.531 | 38.89 | | | 2.287 | 58.09 | 2.347 | 59.61 | 2.564 | 65.13 | 2.636 | 66.95 | - | - | - | - |
| -25 | 1.594 | 40.49 | 1.532 | 38.90 | 1.594 | 40.49 | | | 2.350 | 59.69 | 2.410 | 61.21 | 2.627 | 66.73 | 2.699 | 68.55 | - | - | - | - |
| -26 | 1.656 | 42.06 | 1.595 | 40.50 | 1.656 | 42.07 | | | 2.412 | 61.26 | 2.472 | 62.79 | 2.689 | 68.30 | 2.761 | 70.13 | - | - | - | - |
| -27 | 1.719 | 43.66 | 1.657 | 42.08 | 1.719 | 43.67 | | | 2.475 | 62.86 | 2.535 | 64.39 | 2.752 | 69.90 | 2.824 | 71.73 | - | - | - | - |
| -28 | 1.781 | 45.24 | 1.720 | 43.68 | 1.781 | 45.24 | | | 2.537 | 64.44 | 2.597 | 65.96 | 2.814 | 71.48 | 2.886 | 73.30 | - | - | - | - |
| -29 | 1.844 | 46.84 | 1.782 | 45.25 | 1.844 | 46.84 | | | 2.600 | 66.04 | 2.660 | 67.56 | 2.877 | 73.08 | 2.949 | 74.90 | - | - | - | - |
| -30 | 1.906 | 48.41 | 1.845 | 46.85 | 1.906 | 48.42 | | | 2.662 | 67.61 | 2.722 | 69.14 | 2.939 | 74.65 | 3.011 | 76.47 | - | - | - | - |
| -31 | 1.969 | 50.01 | 1.907 | 48.43 | 1.969 | 50.02 | | | 2.725 | 69.22 | 2.785 | 70.74 | 3.002 | 76.25 | 3.074 | 78.08 | - | - | - | - |
| -32 | 2.031 | 51.59 | 1.970 | 50.03 | 2.031 | 51.59 | | | 2.787 | 70.79 | 2.847 | 72.31 | 3.064 | 77.83 | 3.136 | 79.65 | - | - | - | - |

NOT AVAILABLE IN -05 DIAMETER

GENERAL NOTES:

- OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "D" DIAMETER.
- FASTENERS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS.
- LOCKING FEATURE CONSISTS OF THREE (3) INDENTATIONS LOCATED 120° APART ON THE PERIPHERY OF THE NUT COMPONENT AND APPROXIMATELY .040" (1.02 mm) ABOVE THE INTERSECTION OF THE NUT NOSE ANGLE AND O.D. (MEAN GRIP OF FASTENER).
- STANDARD FINISHES AND LUBRICANTS ARE SHOWN ABOVE. REFER TO SPECIFICATION ESCBB-4 FOR SPECIAL FINISHES AND/OR LUBRICANTS, IF REQUIRED.
- 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.
- HALF-GRIP SIZES MAY BE ORDERED BY ADDING (.5) TO THE GRIP DASH NUMBERS.

EXAMPLE: PLT251-06-4.5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS (.281" = 7.14 mm). THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP +.031/-0.030 (+0.79/-0.76 mm). THE BASIC "G" DIMENSION WILL BE NOMINAL GRIP ±.031 (±0.79 mm) AND THE OVERALL SCREW LENGTH "L" DIMENSION MAY VARY AT THE MANUFACTURER'S OPTION.

- 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 (22.23 NEWTONS).
- HEAD MARKINGS ON NUT DESPRESSED .010" MAX., LOCATION OPTIONAL.
- DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.
- "G" TOLERANCES: FOR -05 & -06 SIZES +.030/-0.10 (+0.762/-0.254 mm); FOR -08 & -10 SIZES +.040/-0.10 (+1.016/-0.254 mm); FOR -12 SIZES +.050/-0.10 (+1.270/-0.254 mm).

3423 SOUTH GARFIELD AVENUE
COMMERCE, CALIFORNIA 90040
(323) 722-4760 FAX (323) 727-1029

TITLE:
VISU-LOK, FASTENER, BLIND INTERNALLY THREADED, EXTERNAL SLEEVE HIGH STRENGTH, 5% CHROME STEEL (H-11) PROTRUDING HEX HEAD, SELF LOCKING 1/64" (0,40 mm) OVERSIZE

| | |
|---------------------------------------|-------------------------|
| DRAWING NO: PLT251(-)(-)(-) | |
| DRAWN BY: G.MARTINEZ | DRAWN DATE: 07-24-13 |
| APPROVED BY: | CHECKED DATE: |

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SHEET 2 OF 2