### TYPICAL INSTALLATION

**BREAK OFF LIMITS***
MEASURED FROM HEAD OF NUT

**DISTORTION OF "D"***
DIA. PERMISSIBLE IN LOCKING AREA

**VISUAL MECHANICAL LOCK***

**DOUBLE SHEAR STRENGTH**
LBS. MIN

**TENSILE STRENGTH**
LBS. MIN

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### TABLE 1

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>NOM. DIA.</th>
<th>A (THEO.) DIA.</th>
<th>A MAX.</th>
<th>D (DIA.)</th>
<th>F (DRIVING FLATS)</th>
<th>E(REF.)</th>
<th>J (DIA. MAX.)</th>
<th>K (MAX.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLT125-05( )</td>
<td>.1635</td>
<td>.1890</td>
<td>.2480</td>
<td>.3105</td>
<td>.3735</td>
<td>.020</td>
<td>.025</td>
<td>.030</td>
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<tr>
<td>PLT125-06( )</td>
<td>.1890</td>
<td>.1890</td>
<td>.2480</td>
<td>.3105</td>
<td>.3735</td>
<td>.020</td>
<td>.025</td>
<td>.030</td>
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<tr>
<td>PLT125-08( )</td>
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<td>.2480</td>
<td>.2480</td>
<td>.3105</td>
<td>.3735</td>
<td>.020</td>
<td>.025</td>
<td>.030</td>
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<tr>
<td>PLT125-10( )</td>
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<td>.3105</td>
<td>.3105</td>
<td>.3735</td>
<td>.3735</td>
<td>.020</td>
<td>.025</td>
<td>.030</td>
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<tr>
<td>PLT125-12( )</td>
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<td>.3735</td>
<td>.3735</td>
<td>.3735</td>
<td>.3735</td>
<td>.020</td>
<td>.025</td>
<td>.030</td>
</tr>
</tbody>
</table>

### TABLE 2

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>M GAGE PROT.</th>
<th>R RAD.</th>
<th>S MAX.</th>
<th>W GAGE DIA.</th>
<th>BREAK-OFF LIMITS</th>
<th>PREVAILING TORQUE IN-LBS. MIN</th>
<th>DOUBLE SHEAR STRENGTH LBS. MIN</th>
<th>TENSILE STRENGTH LBS. MIN</th>
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</thead>
<tbody>
<tr>
<td>PLT125-05( )</td>
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<td>.0238</td>
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<td>.0466</td>
<td>.020</td>
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<tr>
<td>PLT125-06( )</td>
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<td>.0238</td>
<td>.0259</td>
<td>.0353</td>
<td>.0466</td>
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<tr>
<td>PLT125-08( )</td>
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<td>.0259</td>
<td>.0353</td>
<td>.0466</td>
<td>.0466</td>
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<tr>
<td>PLT125-12( )</td>
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<td>.0466</td>
<td>.0466</td>
<td>.0466</td>
<td>.0466</td>
<td>.020</td>
<td>.020</td>
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</tbody>
</table>
OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "E" DIAMETER.

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".

"G" TOLERANCES: FOR -05 & -06 SIZES +.030"/--.010" (+0,77/-0,25 mm), FOR -08 & -10 SIZES +.040"/--.010" (+1,02/-0,25 mm), FOR -12 SIZES +.050"/--.010" (+1,27/-0,25 mm).

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.

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 TO BE 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.

LUBRICANT:

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

1. DRY FILM LUBE PER MIL-F-81329, WAX AND/OR CETYL ALCOHOL PER MIL-PRF-81329, WWM CARBO-WAX, PARAFFIN.
2. PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
3. LUBRICANT: PLT125( )-( )-( ) AVAILABLE IN -05

GENERAL NOTES:

1. OUTSIDE DIAMETER OF HEAD OF SCREW AND OUTSIDE DIAMETER OF SLEEVE SHALL NOT BE GREATER THAN MAXIMUM "B" DIAMETER.

2. REMOVE ALL LOOSE OR HANGING BURRS.

3. 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).

4. HEAD MARKING ON NUT DEPRESSED .010" (.26 mm) MAXIMUM.

5. STANDARD FINISHES AND LUBRICANTS ARE SHOWN ABOVE. REFER TO SPECIFICATION ESC884 FOR SPECIAL FINISHES AND/OR LUBRICANTS, IF REQUIRED.

6. CONCENTRICITY OF NUT HEAD "A" DIAMETER TO "D" DIAMETER SHALL BE WITHIN 0.003" (.076 mm) T.I.E., EXCEPT OVER INDENTS.

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" MAX + .001". FORCE FOR INSERTION SHALL NOT EXCEED FIVE (5) POUNDS (22.2 Newtons).

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

EXAMPLE: PLT125-05.4-5 INDICATES A NOMINAL GRIP LENGTH OF 4.5 SIXTEENTHS (.281 = 7,14mm). THE GRIP RANGE FOR THESE HALF-GRIP SIZES WILL BE NOMINAL GRIP +.030"/--.010" AND THE OVERALL SCREW LENGTH "1" DIMENSION MAY VARY AT MANUFACTURER'S OPTION.

STANDARD GRIP LENGTHS ARE SHOWN IN TABLE II. 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.

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", "T", "M", "W" AND HEAD ANGLE DIMENSIONS.

10. DIMENSIONS ARE EXCLUSIVE OF LUBRICATION.

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