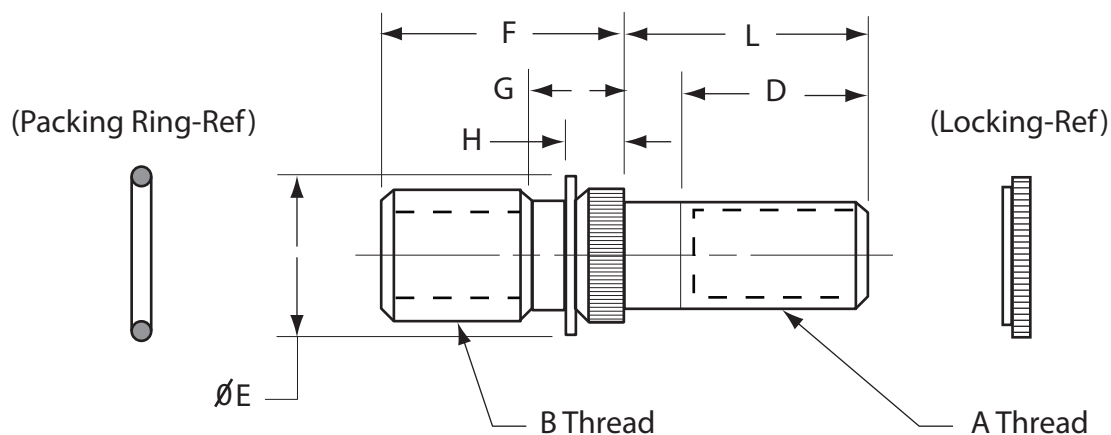




STUD END

NUT END

| Procurement No. | A Thread (Nut End) | B Thread UNJC-3A (Stud End) | C | D $\pm .015$ | E $+ .000$ $- .005$ | F $\pm .015$ | G $\pm .005$ | H $\pm .005$ | L Length $\pm .015$ |
|-----------------|--------------------|-----------------------------|---|--------------|---------------------|--------------|--------------|--------------|---------------------|
| RA3000-9012     |                    |                             |   | .562         |                     |              |              |              | .562                |
| RA3000-9014     | .2500-28           | .3125-18                    |   | .500         | .371                | .560         | .221         | .138         | .875                |
| RA3000-9015     | UNF-3A             |                             |   | .500         |                     |              |              |              | .937                |
| RA3000-9018     |                    |                             |   | .500         |                     |              |              |              | 1.125               |
| RA3000-9023     |                    |                             |   | .500         |                     |              |              |              | 2.000               |
| RA3000-9101     | .2500-28 UNF-3A    | .3750-16                    |   | .320 min     | .433                | .560         | .240         | .147         | .427                |
| RA3000-9112     | .3125-24 UNJF-3A   | .3750-16                    |   | .560         | .433                | .690         | .240         | .147         | .750                |
| RA3000-9120     |                    |                             |   | .625         |                     |              |              |              | .625                |
| RA3000-9140     | .3750-24 UNJF-3A   | .4375-14                    |   | .940         | .510                | .750         | .283         | .176         | 1.250               |
| RA3000-9141     | .3125-24 UNJF-3A   | .3750-16                    |   | .625         | .433                | .690         | .240         | .147         | .625                |
| RA3000-9150     | .2500-28 UNJF-3A   | .3125-18                    |   | .500         | .371                | .560         | .221         | .138         | .812                |
| RA3000-9151     |                    |                             |   | .562         |                     |              |              |              | .562                |

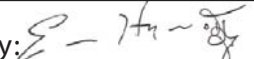
1. Stud end thread has a special pitch diameter and minor diameter which installs into Mil-S-8879 class 3B. Fed -Std-H28/2 class 3B, or national class 3 tapped hole.

2. Mating locking and packing ring must be ordered separately.

|              |                          |              |                  |
|--------------|--------------------------|--------------|------------------|
| CAGE CODE    | DWG NO.<br><b>RA3000</b> | Drawn by:    | Date: 05/29/2013 |
| <b>63EM5</b> | REV: NC SHEET 1 OF 2     | Approved by: | Date: 05/29/2013 |



| Procurement No. | Material                                                                    | Finish                                                       |
|-----------------|-----------------------------------------------------------------------------|--------------------------------------------------------------|
| RA3000-9012     | 4130 Steel Per<br>Mil-S-6758<br>Heat Treat:<br>125 KSI UTS<br>Min.          | Cadmium<br>Plate Per<br>AMS-QQ-P-416,<br>Type II<br>Class 3. |
| RA3000-9014     |                                                                             |                                                              |
| RA3000-9015     |                                                                             |                                                              |
| RA3000-9018     |                                                                             |                                                              |
| RA3000-9023     |                                                                             |                                                              |
|                 |                                                                             |                                                              |
| RA3000-9101     | Titanium<br>6Al - 4V<br>Per AMS4967                                         | None                                                         |
| RA3000-9112     | 4130 Steel Per<br>Mil-S-6758<br>Heat Treat<br>125/145 KSI:                  | Cadmium<br>Plate Per<br>AMS-QQ-P-416,<br>Type II<br>Class 3. |
| RA3000-9120     | 303 CRES                                                                    | Passivate Per<br>AMS-QQ-P-35                                 |
| RA3000-9140     | A286 CRES Per<br>AMS5736 or<br>AMS5734<br>Heat Treat:<br>130 KSI Units Min. | Passivate Per<br>AMS-QQ-P-35                                 |
| RA3000-9141     | A-286 CRES<br>Heat Treat:<br>130 KSI UTS                                    | Passivate Per<br>AMS-QQ-P-35                                 |
| RA3000-9151     |                                                                             |                                                              |
| RA3000-9151     |                                                                             |                                                              |

|                                  |                                                      |                                                                                                   |                  |
|----------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|
| CAGE<br>CODE<br><br><b>63EM5</b> | DWG NO.<br><b>RA3000</b><br><br>REV: NC SHEET 2 OF 2 | Drawn by:     | Date: 05/29/2013 |
|                                  |                                                      | Approved by:  | Date: 05/29/2013 |