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AS9489

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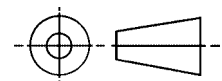
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THIRD ANGLE PROJECTION



ISSUED 1999-12

PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

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## AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD,  
FULL SHANK AMS 5731, .190-32 UNJF-3A

**AS9489**  
SHEET 1 OF 3

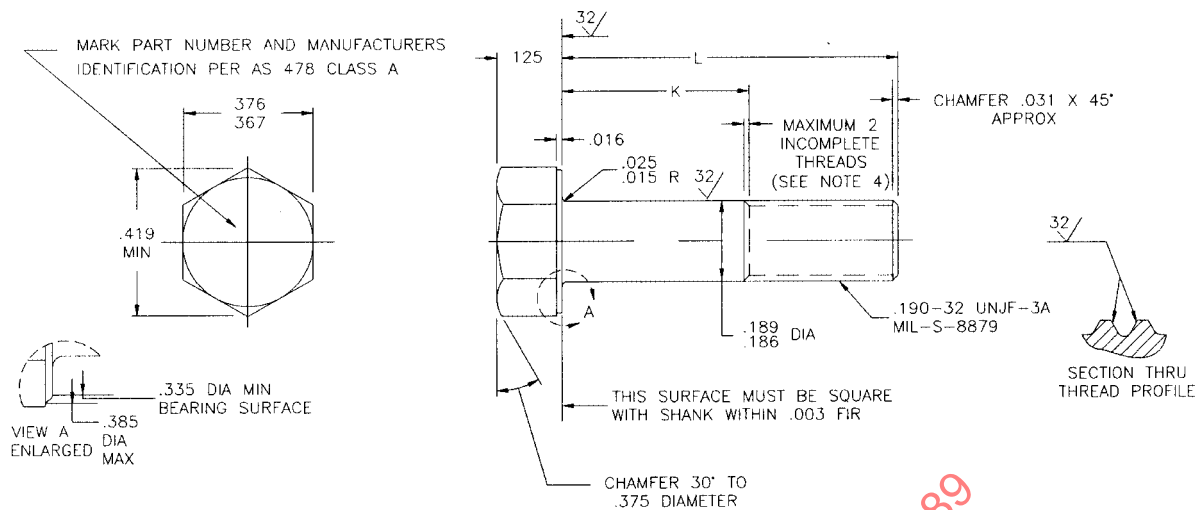
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| MS9489-05 | .438  | .072-.092   | .77                  | MS9489-32 | 2.500 | 1.810-1.870 | 2.40                 |
| MS9489-06 | .500  | .072-.092   | .82                  | MS9489-33 | 2.625 | 1.935-1.995 | 2.50                 |
| MS9489-07 | .562  | .072-.092   | .87                  | MS9489-34 | 2.750 | 2.060-2.120 | 2.60                 |
| MS9489-08 | .625  | .072-.092   | .92                  | MS9489-35 | 2.875 | 2.185-2.245 | 2.70                 |
| MS9489-09 | .688  | .072-.092   | .97                  | MS9489-36 | 3.000 | 2.310-2.370 | 2.80                 |
| MS9489-10 | .750  | .072-.120   | 1.02                 | MS9489-37 | 3.125 | 2.435-2.495 | 2.89                 |
| MS9489-11 | .812  | .122-.182   | 1.07                 | MS9489-38 | 3.250 | 2.560-2.620 | 2.99                 |
| MS9489-12 | .875  | .185-.245   | 1.12                 | MS9489-39 | 3.375 | 2.685-2.745 | 3.09                 |
| MS9489-13 | .938  | .248-.308   | 1.17                 | MS9489-40 | 3.500 | 2.810-2.870 | 3.19                 |
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| MS9489-16 | 1.125 | .435-.495   | 1.32                 | MS9489-43 | 3.875 | 3.185-3.245 | 3.49                 |
| MS9489-17 | 1.188 | .498-.558   | 1.37                 | MS9489-44 | 1.812 | 1.122-1.182 | 1.86                 |
| MS9489-18 | 1.250 | .560-.620   | 1.41                 | MS9489-45 | 1.938 | 1.248-1.308 | 1.96                 |
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| MS9489-20 | 1.375 | .685-.745   | 1.51                 |           |       |             |                      |
| MS9489-21 | 1.438 | .748-.808   | 1.56                 |           |       |             |                      |
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