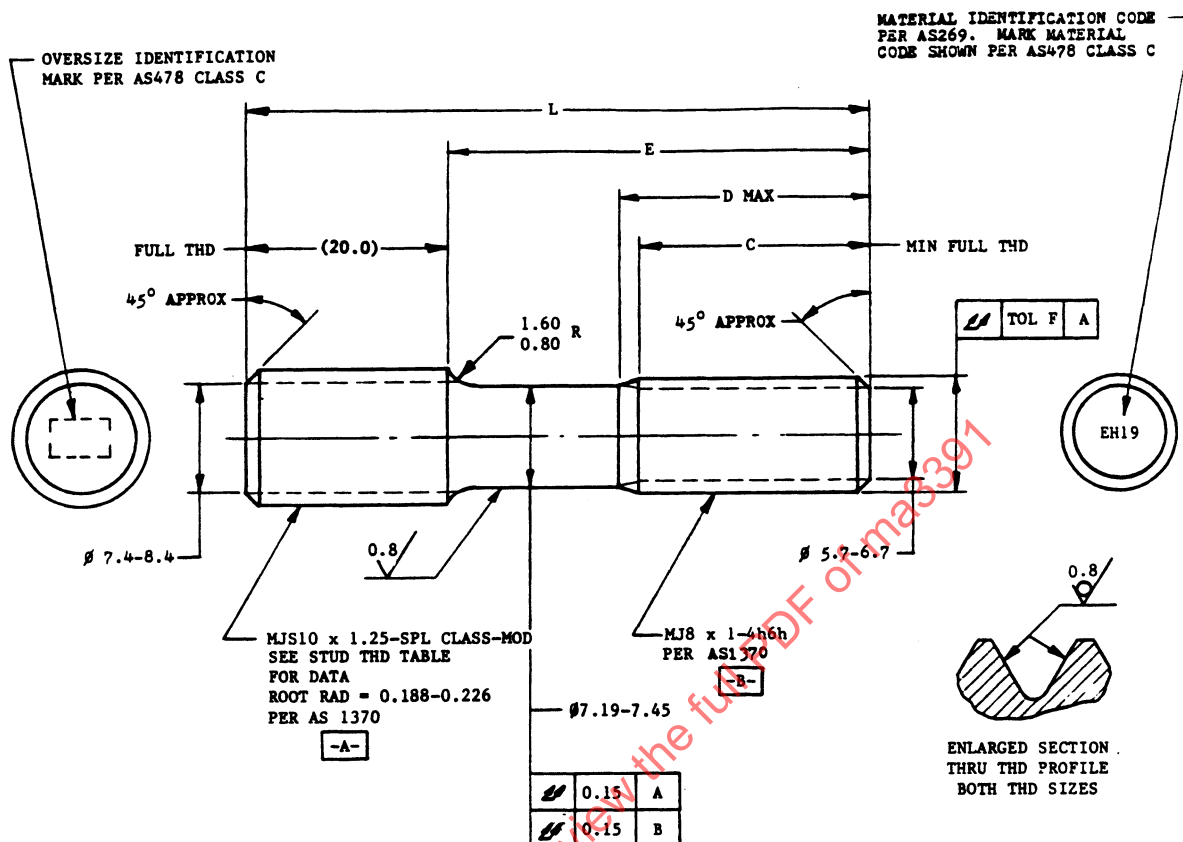


MA3391

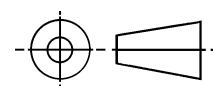


STUD THREAD DATA - STANDARD & OVERSIZES

| OVERSIZE IDENTIFICATION | STANDARD    | +0.08        | +0.16         | +0.24         | +0.32         |
|-------------------------|-------------|--------------|---------------|---------------|---------------|
|                         | ⊙           | ⊙ 8          | ⊙ 16          | ⊙ 24          | ⊙ 32          |
| MAJOR DIA, MOD          | 9.850-9.975 | 9.930-10.055 | 10.010-10.135 | 10.090-10.215 | 10.170-10.295 |
| PITCH DIA               | 9.288-9.313 | 9.368-9.393  | 9.448-9.473   | 9.528-9.553   | 9.608-9.633   |
| ROOT DIA                | 8.581-8.682 | 8.661-8.762  | 8.741-8.842   | 8.821-8.922   | 8.901-9.002   |
| PD LEAD THD             | 9.138-9.176 | 9.218-9.256  | 9.298-9.336   | 9.378-9.416   | 9.458-9.496   |

FIGURE 1

THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE PROPULSION SYSTEMS

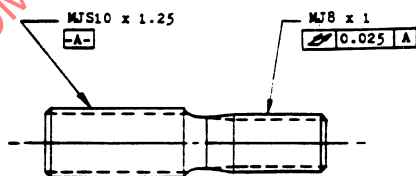
**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**  
STUD, STEPPED - 2.0 DIA ENGAGEMENT, A286,  
MJ METRIC  
10 X 1.25 - 8 X 1

**MA3391**  
SHEET 1 OF 3

# MA3391

| L     | E     | C MIN | D MAX | TOL F | STANDARD   | + 0.08     | + 0.16     | + 0.24     | + 0.32     | APPROX |
|-------|-------|-------|-------|-------|------------|------------|------------|------------|------------|--------|
| ± 0.3 | ± 0.3 |       |       |       | PART NO.   | PART NO.   | PART NO.   | PART NO.   | PART NO.   | MASS   |
| 36    | 16    | 11.6  | 14.1  | 0.05  | MA3391-006 | MA3391-106 | MA3391-206 | MA3391-306 | MA3391-406 | 1.609  |
| 38    | 18    | 13.6  | 16.1  | 0.05  | -007       | -107       | -207       | -307       | -407       | 1.675  |
| 40    | 20    | 15.6  | 18.1  | 0.06  | -008       | -108       | -208       | -308       | -408       | 1.742  |
| 42    | 22    | 17.6  | 20.1  | 0.07  | -009       | -109       | -209       | -309       | -409       | 1.809  |
| 44    | 24    | 19.6  | 22.1  | 0.07  | -010       | -110       | -210       | -310       | -410       | 1.875  |
| 46    | 26    | 21.6  | 24.1  | 0.08  | -011       | -111       | -211       | -311       | -411       | 1.942  |
| 48    | 28    | 22    | 25.5  | 0.08  | -012       | -112       | -212       | -312       | -412       | 2.008  |
| 50    | 30    | 22    | 25.5  | 0.09  | -013       | -113       | -213       | -313       | -413       | 2.075  |
| 52    | 32    | 22    | 25.5  | 0.10  | -014       | -114       | -214       | -314       | -414       | 2.142  |
| 54    | 34    | 22    | 25.5  | 0.10  | -015       | -115       | -215       | -315       | -415       | 2.208  |
| 56    | 36    | 22    | 25.5  | 0.11  | -016       | -116       | -216       | -316       | -416       | 2.275  |
| 58    | 38    | 22    | 25.5  | 0.11  | -017       | -117       | -217       | -317       | -417       | 2.342  |
| 60    | 40    | 22    | 25.5  | 0.12  | -018       | -118       | -218       | -318       | -418       | 2.408  |
| 62    | 42    | 22    | 25.5  | 0.13  | -019       | -119       | -219       | -319       | -419       | 2.475  |
| 64    | 44    | 22    | 25.5  | 0.13  | -020       | -120       | -220       | -320       | -420       | 2.542  |
| 66    | 46    | 22    | 25.5  | 0.14  | -021       | -121       | -221       | -321       | -421       | 2.608  |
| 68    | 48    | 22    | 25.5  | 0.14  | -022       | -122       | -222       | -322       | -422       | 2.675  |
| 70    | 50    | 22    | 25.5  | 0.15  | -023       | -123       | -223       | -323       | -423       | 2.741  |
| 72    | 52    | 22    | 25.5  | 0.16  | -024       | -124       | -224       | -324       | -424       | 2.808  |
| 74    | 54    | 22    | 25.5  | 0.16  | -025       | -125       | -225       | -325       | -425       | 2.875  |
| 76    | 56    | 22    | 25.5  | 0.17  | -026       | -126       | -226       | -326       | -426       | 2.941  |
| 78    | 58    | 22    | 25.5  | 0.17  | -027       | -127       | -227       | -327       | -427       | 3.008  |
| 80    | 60    | 22    | 25.5  | 0.18  | -028       | -128       | -228       | -328       | -428       | 3.075  |
| 84    | 64    | 22    | 25.5  | 0.19  | -029       | -129       | -229       | -329       | -429       | 3.208  |
| 88    | 68    | 22    | 25.5  | 0.20  | -030       | -130       | -230       | -330       | -430       | 3.341  |
| 92    | 72    | 22    | 25.5  | 0.22  | -031       | -131       | -231       | -331       | -431       | 3.474  |
| 96    | 76    | 22    | 25.5  | 0.23  | -032       | -132       | -232       | -332       | -432       | 3.608  |
| 100   | 80    | 22    | 25.5  | 0.24  | -033       | -133       | -233       | -333       | -433       | 3.741  |
| 104   | 84    | 22    | 25.5  | 0.25  | -034       | -134       | -234       | -334       | -434       | 3.874  |
| 108   | 88    | 22    | 25.5  | 0.26  | -035       | -135       | -235       | -335       | -435       | 4.007  |
| 112   | 92    | 22    | 25.5  | 0.28  | -036       | -136       | -236       | -336       | -436       | 4.141  |
| 116   | 96    | 22    | 25.5  | 0.29  | -037       | -137       | -237       | -337       | -437       | 4.274  |
| 120   | 100   | 22    | 25.5  | 0.30  | -038       | -138       | -238       | -338       | -438       | 4.407  |
| 124   | 104   | 22    | 25.5  | 0.31  | -039       | -139       | -239       | -339       | -439       | 4.540  |
| 128   | 108   | 22    | 25.5  | 0.32  | -040       | -140       | -240       | -340       | -440       | 4.674  |
| 132   | 112   | 22    | 25.5  | 0.34  | MA3391-041 | MA3391-141 | MA3391-241 | MA3391-341 | MA3391-441 | 4.807  |



VIEW G  
FOR L SIZES 36 THRU 48

FIGURE 2