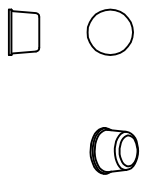


NOTE:  
THIS DIMENSION INCLUDES THE SCREED AND THE  
ADHESIVE, IT DOES NOT INCLUDE THE TAPE LINER.



SHOWN FULL SIZE

| USED ON   |                     |                           |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
|---|---------------------|---------------------------|----------------|--------------------------------------|--|--|--|--|--|--|--|--|--|-----------|---------------------|---------------------------|--|-----------|------|-------|--------|-----------------------------|------|-------|---|---------|------|-------|----------------|--------------|---|--|--|-------|-----|------|--|
| DC  |                     |                           |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
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| DO NOT SCALE  |                     |                           |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| <table border="1"> <thead> <tr> <th colspan="4">TOLERANCE AND SURFACE ROUGHNESS UNLESS NOTED</th> </tr> <tr> <th>OPERATION</th> <th>PLACES IN DIMENSION</th> <th>MAXIMUM SURFACE ROUGHNESS</th> <th></th> </tr> </thead> <tbody> <tr> <td>MACHINING</td> <td>± .1</td> <td>± .02</td> <td>± .005</td> </tr> <tr> <td>CUT-OFF (SAW, DRILL, STEEL)</td> <td>± .1</td> <td>± .04</td> <td>✓</td> </tr> <tr> <td>WELDING</td> <td>± .1</td> <td>± .06</td> <td>DR. A. OKERMAN</td> </tr> <tr> <td>ANGULAR DIM.</td> <td>±</td> <td></td> <td></td> </tr> <tr> <td>SCALE</td> <td>4X1</td> <td>APP.</td> <td></td> </tr> </tbody> </table> |                     |                           |                |                                      |  |  |  |  |  | TOLERANCE AND SURFACE ROUGHNESS UNLESS NOTED |  |  |  | OPERATION | PLACES IN DIMENSION | MAXIMUM SURFACE ROUGHNESS |  | MACHINING | ± .1 | ± .02 | ± .005 | CUT-OFF (SAW, DRILL, STEEL) | ± .1 | ± .04 | ✓ | WELDING | ± .1 | ± .06 | DR. A. OKERMAN | ANGULAR DIM. | ± |  |  | SCALE | 4X1 | APP. |  |
| TOLERANCE AND SURFACE ROUGHNESS UNLESS NOTED  |                     |                           |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| OPERATION   | PLACES IN DIMENSION | MAXIMUM SURFACE ROUGHNESS |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| MACHINING   | ± .1                | ± .02                     | ± .005         |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| CUT-OFF (SAW, DRILL, STEEL)   | ± .1                | ± .04                     | ✓              |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| WELDING   | ± .1                | ± .06                     | DR. A. OKERMAN |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| ANGULAR DIM.  | ±                   |                           |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| SCALE   | 4X1                 | APP.                      |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| <b>3M</b><br>Engineering Division/3M<br>St. Paul, Minnesota 55144-1000  |                     |                           |                | TITLE<br>S161A3 Bumper SPECIFICATION |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| PART NO.<br>S161A3  |                     |                           |                | FAIRMONT 080 MN                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |
| SHEET 1 OF 1  |                     |                           |                |                                      |  |  |  |  |  |  |  |  |  |           |                     |                           |  |           |      |       |        |                             |      |       |   |         |      |       |                |              |   |  |  |       |     |      |  |