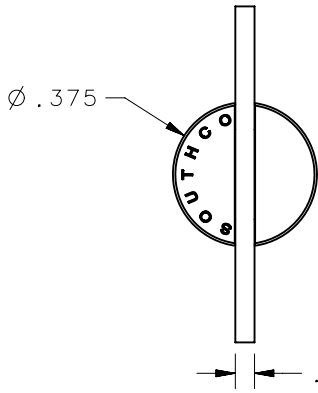


| PART NUMBER   | U     | L     | F     | T     |
|---------------|-------|-------|-------|-------|
| 82-12-040-XX  | 0.067 | 0.185 | 0.335 | 0.425 |
| 82-12-060-XX  | 0.087 | 0.205 | 0.355 | 0.445 |
| 82-12-080-XX  | 0.107 | 0.225 | 0.375 | 0.465 |
| 82-12-100-XX  | 0.127 | 0.245 | 0.395 | 0.485 |
| 82-12-120-XX  | 0.147 | 0.265 | 0.415 | 0.505 |
| 82-12-140-XX  | 0.167 | 0.285 | 0.435 | 0.525 |
| 82-12-160-XX  | 0.187 | 0.305 | 0.455 | 0.545 |
| 82-12-180-XX  | 0.207 | 0.325 | 0.475 | 0.565 |
| 82-12-200-XX  | 0.227 | 0.345 | 0.495 | 0.585 |
| 82-12-220-XX  | 0.247 | 0.365 | 0.515 | 0.605 |
| 82-12-240-XX  | 0.267 | 0.385 | 0.535 | 0.625 |
| 82-12-260-XX  | 0.287 | 0.405 | 0.555 | 0.645 |
| 82-12-280-XX  | 0.307 | 0.425 | 0.575 | 0.665 |
| 82-12-300-XX  | 0.327 | 0.445 | 0.595 | 0.685 |
| 82-12-320-XX  | 0.347 | 0.465 | 0.615 | 0.705 |
| 82-12-340-XX  | 0.367 | 0.485 | 0.635 | 0.725 |
| 82-12-360-XX  | 0.387 | 0.505 | 0.655 | 0.745 |
| 82-12-380-XX  | 0.407 | 0.525 | 0.675 | 0.765 |
| 82-12-400-XX  | 0.427 | 0.545 | 0.695 | 0.785 |
| 82-12-420-XX  | 0.447 | 0.565 | 0.715 | 0.805 |
| 82-12-440-XX  | 0.467 | 0.585 | 0.735 | 0.825 |
| 82-12-460-XX  | 0.487 | 0.605 | 0.755 | 0.845 |
| 82-12-480-XX  | 0.507 | 0.625 | 0.775 | 0.865 |
| 82-12-500-XX  | 0.527 | 0.645 | 0.795 | 0.885 |
| 82-12-520-XX  | 0.547 | 0.665 | 0.815 | 0.905 |
| 82-12-540-XX  | 0.567 | 0.685 | 0.835 | 0.925 |
| 82-12-560-XX  | 0.587 | 0.705 | 0.855 | 0.945 |
| 82-12-580-XX  | 0.607 | 0.725 | 0.875 | 0.965 |
| 82-12-600-XX  | 0.627 | 0.745 | 0.895 | 0.985 |
| 82-12-620-XX  | 0.647 | 0.765 | 0.915 | 1.005 |
| 82-12-640-XX  | 0.667 | 0.785 | 0.935 | 1.025 |
| 82-12-660-XX  | 0.687 | 0.805 | 0.955 | 1.045 |
| 82-12-680-XX  | 0.707 | 0.825 | 0.975 | 1.065 |
| 82-12-700-XX  | 0.727 | 0.845 | 0.995 | 1.085 |
| 82-12-720-XX  | 0.747 | 0.865 | 1.015 | 1.105 |
| 82-12-740-XX  | 0.767 | 0.885 | 1.035 | 1.125 |
| 82-12-760-XX  | 0.787 | 0.905 | 1.055 | 1.145 |
| 82-12-780-XX  | 0.807 | 0.925 | 1.075 | 1.165 |
| 82-12-800-XX  | 0.827 | 0.945 | 1.095 | 1.185 |
| 82-12-820-XX  | 0.847 | 0.965 | 1.115 | 1.205 |
| 82-12-840-XX  | 0.867 | 0.985 | 1.135 | 1.225 |
| 82-12-860-XX  | 0.887 | 1.005 | 1.155 | 1.245 |
| 82-12-880-XX  | 0.907 | 1.025 | 1.175 | 1.265 |
| 82-12-900-XX  | 0.927 | 1.045 | 1.195 | 1.285 |
| 82-12-920-XX  | 0.947 | 1.065 | 1.215 | 1.305 |
| 82-12-940-XX  | 0.967 | 1.085 | 1.235 | 1.325 |
| 82-12-960-XX  | 0.987 | 1.105 | 1.255 | 1.345 |
| 82-12-980-XX  | 1.007 | 1.125 | 1.275 | 1.365 |
| 82-12-1000-XX | 1.027 | 1.145 | 1.295 | 1.385 |

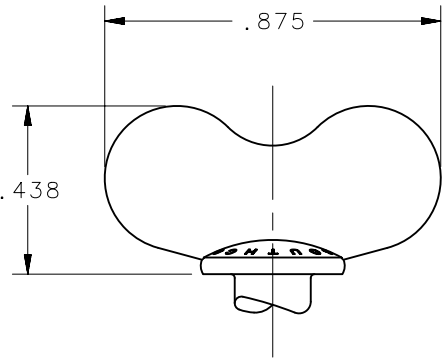
| REVISION HISTORY |           |         |                 |  |
|------------------|-----------|---------|-----------------|--|
| REV              | DATE      | BY      | DESCRIPTION     |  |
| B                | 23DEC2021 | ABK/HPD | PRN: P2021-2497 |  |



∅ .375

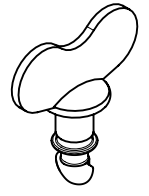
.049



.875

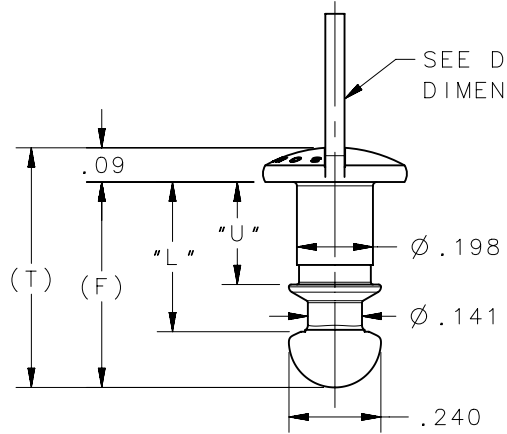
.438

DETAIL A



SCALE 1:1



SEE DETAIL "A" FOR DIMENSIONS OF WING

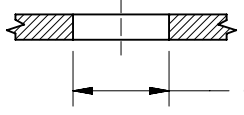
.09

(T) (F) "L" "U"

∅ .198

∅ .141

.240



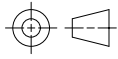

∅ .250  $\begin{matrix} +.005 \\ -.002 \end{matrix}$

PANEL PREPARATION

|                     |                   |                 |               |                                  |
|---------------------|-------------------|-----------------|---------------|----------------------------------|
| 82-12-YYYY-52       | STUD              | STEEL           | CASE HARDENED | ZINC-NICKEL BLACK PLATED         |
| 82-12-YYYY-44       | STUD              | STAINLESS STEEL | -             | BLACK OXIDE, SEMI GLOSS          |
| 82-12-YYYY-31       | STUD              | STEEL           | CASE HARDENED | BLACK OXIDE                      |
| 82-12-YYYY-20       | STUD              | STAINLESS STEEL | -             | PASSIVATED                       |
| 82-12-YYYY-17       | STUD              | STEEL           | CASE HARDENED | ZINC PLATE, YELLOW CHROMATE      |
| 82-12-YYYY-16       | STUD              | STEEL           | CASE HARDENED | ZINC PLATE, CHROMATE PLUS SEALER |
| 82-12-YYYY-13       | STUD              | STEEL           | CASE HARDENED | NATURAL                          |
| SOUTHCO PART NUMBER | TYPE OF COMPONENT | MATERIAL        | HEAT TREAT    | FINISH                           |

|  |  |  |                               |
|--|--|--|-------------------------------|
| CPB NUMBER   | THIRD ANGLE PROJECTION  |  <p>CONNECT • CREATE • INNOVATE</p> |                               |
|  | INCHES [MM]  |  |                               |
| SURFACE AREA   | TOLERANCES UNLESS OTHERWISE NOTED  |  |                               |
| VOLUME   | ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.  |  |                               |
| PROPRIETARY ITEM   | PER ASME Y14.5M-1994   | DESCRIPTION  | SOUTHCO NO. 82 WING HEAD STUD |
| EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC. |  | SIZE   | SYSTEM                        |
|  |  | A  | NX                            |
|  |  | DWG NO.  | J-82-55                       |
|  |  | DRAWN BY   | DATE                          |
|  |  | CMS/NJF  | 03SEP2015                     |
|  |  | SCALE  | SHEET                         |
|  |  | 2:1  | 1 OF 1                        |