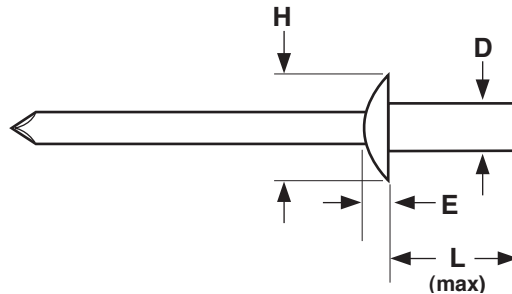


# Closed-End Aluminum Rivet/Steel Mandrel



| CLOSED-END, DOME HEAD, ALUMINUM BODY/STEEL MANDREL BLIND RIVETS |                     |             |              |             |        |               |             |                     | IFI-126               |
|---|---------------------|-------------|--------------|-------------|--------|---------------|-------------|---------------------|-----------------------|
| Part Number   | D                   | Hole Size   | Drill Number | Grip Range  | L      | H             | E           | Ultimate Shear Load | Ultimate Tensile Load |
|   | Rivet Body Diameter |             |              |             | Length | Head Diameter | Head Height |                     |                       |
|   |                     |             |              |             | Max    | Nominal       | Max         |                     |                       |
| ADSC41  | .125                | .129 - .133 | #30          | .020 - .062 | .297   | .236          | .050        | 240                 | 280                   |
| ADSC42  | .125                | .129 - .133 | #30          | .063 - .125 | .360   | .236          | .050        | 240                 | 280                   |
| ADSC43  | .125                | .129 - .133 | #30          | .126 - .187 | .422   | .236          | .050        | 240                 | 280                   |
| ADSC44  | .125                | .129 - .133 | #30          | .188 - .250 | .485   | .236          | .050        | 240                 | 280                   |
| ADSC45  | .125                | .129 - .133 | #30          | .251 - .312 | .547   | .236          | .050        | 240                 | 280                   |
| ADSC46  | .125                | .129 - .133 | #30          | .313 - .375 | .610   | .236          | .050        | 240                 | 280                   |
| ADSC48  | .125                | .129 - .133 | #30          | .376 - .500 | .735   | .236          | .050        | 240                 | 280                   |
| ADSC52  | .156                | .160 - .164 | #20          | .020 - .125 | .375   | .312          | .065        | 350                 | 480                   |
| ADSC53  | .156                | .160 - .164 | #20          | .126 - .187 | .437   | .312          | .065        | 350                 | 480                   |
| ADSC54  | .156                | .160 - .164 | #20          | .188 - .250 | .500   | .312          | .065        | 350                 | 480                   |
| ADSC55  | .156                | .160 - .164 | #20          | .251 - .312 | .562   | .312          | .065        | 350                 | 480                   |
| ADSC56  | .156                | .160 - .164 | #20          | .313 - .375 | .625   | .312          | .065        | 350                 | 480                   |
| ADSC58  | .156                | .160 - .164 | #20          | .376 - .500 | .750   | .312          | .065        | 350                 | 480                   |
| ADSC62  | .187                | .192 - .196 | #11          | .020 - .125 | .406   | .375          | .080        | 500                 | 690                   |
| ADSC63  | .187                | .192 - .196 | #11          | .126 - .187 | .468   | .375          | .080        | 500                 | 690                   |
| ADSC64  | .187                | .192 - .196 | #11          | .188 - .250 | .531   | .375          | .080        | 500                 | 690                   |
| ADSC66  | .187                | .192 - .196 | #11          | .251 - .375 | .656   | .375          | .080        | 500                 | 690                   |
| ADSC68  | .187                | .192 - .196 | #11          | .376 - .500 | .781   | .375          | .080        | 500                 | 690                   |
| ADSC610   | .187                | .192 - .196 | #11          | .501 - .625 | .906   | .375          | .080        | 500                 | 690                   |
| ADSC612   | .187                | .192 - .196 | #11          | .626 - .750 | 1.026  | .375          | .080        | 500                 | 690                   |
| ADSC82  | .250                | .257 - .261 | F            | .020 - .125 | .445   | .500          | .100        | 900                 | 1100                  |
| ADSC84  | .250                | .257 - .261 | F            | .126 - .250 | .570   | .500          | .100        | 900                 | 1100                  |
| ADSC86  | .250                | .257 - .261 | F            | .251 - .375 | .695   | .500          | .100        | 900                 | 1100                  |
| ADSC88  | .250                | .257 - .261 | F            | .376 - .500 | .820   | .500          | .100        | 900                 | 1100                  |
| ADSC810   | .250                | .257 - .261 | F            | .501 - .625 | .945   | .500          | .100        | 900                 | 1100                  |

# Closed-End Aluminum Rivet/Steel Mandrel

| <b>PART NUMBER COMPARISON - CLOSED-END ALUMINUM RIVET/STEEL MANDREL, <i>DOME</i></b> |                        |             |                        |             |               |               |                |
|--|------------------------|-------------|------------------------|-------------|---------------|---------------|----------------|
| <b>Catalog Part Number</b>   | <b>Huck/Auto-matic</b> | <b>Pop®</b> | <b>Marson/Creative</b> | <b>Star</b> | <b>Celus®</b> | <b>Cherry</b> | <b>Gesipa®</b> |
| ADSC41   | -                      | AD41H       | AB4-1CLD               | -           | -             | -             | -              |
| ADSC42   | -                      | AD42H       | AB4-2CLD               | -           | A42D-CE       | -             | -              |
| ADSC43   | -                      | AD43H       | AB4-3CLD               | -           | A43D-CE       | -             | -              |
| ADSC44   | -                      | AD44H       | AB4-4CLD               | -           | A44D-CE       | -             | -              |
| ADSC45   | -                      | AD45H       | AB4-5CLD               | -           | -             | -             | -              |
| ADSC46   | -                      | AD46H       | -                      | -           | A46D-CE       | -             | -              |
| ADSC48   | -                      | AD48H       | -                      | -           | -             | -             | -              |
| ADSC52   | -                      | AD52H       | AB5-2CLD               | -           | -             | -             | -              |
| ADSC53   | -                      | AD53H       | AB5-3CLD               | -           | -             | -             | -              |
| ADSC54   | -                      | -           | -                      | -           | A54D-CE       | -             | -              |
| ADSC55   | -                      | AD55H       | AB5-5CLD               | -           | -             | -             | -              |
| ADSC56   | -                      | -           | -                      | -           | -             | -             | -              |
| ADSC58   | -                      | -           | -                      | -           | -             | -             | -              |
| ADSC62   | -                      | AD62H       | AB6-2CLD               | -           | A62D-CE       | -             | -              |
| ADSC63   | -                      | -           | -                      | -           | -             | -             | -              |
| ADSC64   | -                      | AD64H       | AB6-4CLD               | -           | -             | -             | -              |
| ADSC66   | -                      | AD66H       | AB6-6CLD               | -           | A66D-CE       | -             | -              |
| ADSC68   | -                      | AD68H       | AB6-8CLD               | -           | A68D-CE       | -             | -              |
| ADSC610  | -                      | -           | A6-10CLD               | -           | -             | -             | -              |
| ADSC612  | -                      | -           | -                      | -           | -             | -             | -              |
| ADSC82   | -                      | -           | -                      | -           | -             | -             | -              |
| ADSC84   | -                      | AD84H       | AB8-4CLD               | -           | A84D-CE       | -             | -              |
| ADSC86   | -                      | AD86H       | AB8-6CLD               | -           | A86D-CE       | -             | -              |
| ADSC88   | -                      | -           | -                      | -           | -             | -             | -              |
| ADSC810  | -                      | -           | -                      | -           | -             | -             | -              |

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | A steel blind fastener with a self-contained steel mandrel whose mandrel head is completely protected and secured within the closed end of the rivet. The head of the rivet body is slightly rounded and twice as wide as the body diameter.   |
| <b>Applications/<br/>Advantages</b> | Closed-end rivets are used where the adjoining back-plate cannot be accessed but must be kept weatherproof. The installed rivet forms a tight seal preventing seepage of liquid or gas through the fastener assembly. The dome head is the most popular style offered on closed end rivets. They are preferred in many electronics applications because there is no chance of the mandrel falling into the work area on the blind side. Closed-end rivets provide greater tensile and shear strength than similar-sized open end rivets. They should be used when fastening materials with mechanical and physical properties similar to aluminum. |
| <b>Material</b>                     | <i>Rivet Body: Aluminum<br/>Mandrel: Carbon steel</i>  |
| <b>Shear Strength</b>               | Rivets shall have ultimate shear loads not less than the minimum ultimate shear loads specified in the above table.  |
| <b>Tensile Strength</b>             | Rivets shall have ultimate tensile loads not less than the minimum ultimate tensile loads specified in the above table.  |